

Appendix J

Groundwater Analytical Lab
Results

ANALYTICAL SUMMARY REPORT

April 28, 2011

Crow Butte Resources
86 Crow Butte Rd
Crawford, NE 69339

Workorder No.: C11030099 Quote ID: C1125 - Crow Butte Uranium

Project Name: Marsland Baseline Samples

Energy Laboratories, Inc. Casper WY received the following 2 samples for Crow Butte Resources on 3/2/2011 for analysis.

| Sample ID | Client Sample ID | Collect Date | Receive Date | Matrix | Test |
|---------------|-------------------|---------------|--------------|---------|--|
| C11030099-001 | E. Driller's Well | 02/25/11 0:00 | 03/02/11 | Aqueous | Metals by ICP/ICPMS, Dissolved Alkalinity QA Calculations Conductivity Sample Filtering Fluoride E300.0 Anions Uranium, Suspended Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Digestion, Total Metals Lead 210, Dissolved Lead 210, Suspended Polonium 210, Dissolved Polonium 210, Suspended Radium 226, Dissolved Radium 226, Suspended Thorium, Isotopic Thorium, Suspended Isotopic Solids, Total Dissolved |
| C11030099-002 | W. Driller's Well | 02/25/11 0:00 | 03/02/11 | Aqueous | Same As Above |

This report was prepared by Energy Laboratories, Inc., 2393 Salt Creek Hwy., Casper, WY 82601. Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

The results as reported relate only to the item(s) submitted for testing.

If you have any questions regarding these test results, please call.

Report Approved By:



CLIENT: Crow Butte Resources
Project: Marsland Baseline Samples
Sample Delivery Group: C11030099

Report Date: 04/28/11

CASE NARRATIVE

RADIOCHEMISTRY ANALYSIS

Per client request, results less than MDC (or precision if no MDC), are reported as <MDC (or <precision). Actual instrument results are available by request.

BRANCH LABORATORY SUBCONTRACT ANALYSIS

Tests associated with analyst identified as ELI-CS were subcontracted to Energy Laboratories, 415 Graham Rd., College Station, TX, EPA Number TX01520.

ORIGINAL SAMPLE SUBMITTAL(S)

All original sample submittals have been returned with the data package.

SAMPLE TEMPERATURE COMPLIANCE: 4 °C (±2 °C)

Temperature of samples received may not be considered properly preserved by accepted standards. Samples that are hand delivered immediately after collection shall be considered acceptable if there is evidence that the chilling process has begun.

GROSS ALPHA ANALYSIS

Method 900.0 for gross alpha and gross beta is intended as a drinking water method for low TDS waters. Data provided by this method for non potable waters should be viewed as inconsistent.

SOIL/SOLID SAMPLES

All samples reported on an as received basis unless otherwise indicated.

SUBCONTRACTING ANALYSIS

Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.

BRANCH LABORATORY LOCATIONS

eli-b - Energy Laboratories, Inc. - Billings, MT
eli-g - Energy Laboratories, Inc. - Gillette, WY
eli-h - Energy Laboratories, Inc. - Helena, MT
eli-r - Energy Laboratories, Inc. - Rapid City, SD
eli-t - Energy Laboratories, Inc. - College Station, TX

CERTIFICATIONS:

USEPA: WY00002; FL-DOH NELAC: E87641; California: 02118CA
Oregon: WY200001; Utah: 3072350515; Virginia: 00057; Washington: C1903

ISO 17025 DISCLAIMER:

The results of this Analytical Report relate only to the items submitted for analysis.

ENERGY LABORATORIES, INC. - CASPER, WY certifies that certain method selections contained in this report meet requirements as set forth by the above accrediting authorities. Some results requested by the client may not be covered under these certifications. All analysis data to be submitted for regulatory enforcement should be certified in the sample state of origin. Please verify ELI's certification coverage by visiting www.energylab.com

ELI appreciates the opportunity to provide you with this analytical service. For additional information and services visit our web page www.energylab.com.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11030099-001
Client Sample ID: E. Driller's Well

Report Date: 04/28/11
Collection Date: 02/25/11
Date Received: 03/02/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 157 | mg/L | | 1 | | A2320 B | 03/03/11 17:48 / jba |
| Carbonate as CO ₃ | ND | mg/L | | 1 | | A2320 B | 03/03/11 17:48 / jba |
| Bicarbonate as HCO ₃ | 190 | mg/L | | 1 | | A2320 B | 03/03/11 17:48 / jba |
| Calcium | 33 | mg/L | | 1 | | E200.7 | 03/07/11 19:47 / cp |
| Chloride | 3 | mg/L | | 1 | | E300.0 | 03/05/11 00:54 / ljl |
| Fluoride | 0.5 | mg/L | | 0.1 | | A4500-F C | 03/04/11 10:35 / jba |
| Magnesium | 9 | mg/L | | 1 | | E200.7 | 03/07/11 19:47 / cp |
| Nitrogen, Ammonia as N | ND | mg/L | | 0.05 | | A4500-NH ₃ G | 03/08/11 15:41 / dc |
| Nitrogen, Nitrate+Nitrite as N | 1.0 | mg/L | | 0.1 | | E353.2 | 03/03/11 15:35 / dc |
| Potassium | 3 | mg/L | | 1 | | E200.7 | 03/07/11 19:47 / cp |
| Silica | 80.3 | mg/L | | 0.2 | | E200.7 | 03/07/11 19:47 / cp |
| Sodium | 18 | mg/L | | 1 | | E200.7 | 03/07/11 19:47 / cp |
| Sulfate | 7 | mg/L | | 1 | | E300.0 | 03/05/11 00:54 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 306 | umhos/cm | | 1 | | A2510 B | 03/03/11 14:37 / lr |
| pH | 8.00 | s.u. | | 0.01 | | A4500-H B | 03/03/11 14:37 / lr |
| Solids, Total Dissolved TDS @ 180 C | 227 | mg/L | | 10 | | A2540 C | 03/03/11 10:45 / lmc |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.7 | 03/07/11 19:47 / cp |
| Arsenic | 0.003 | mg/L | | 0.001 | | E200.8 | 03/10/11 02:19 / sml |
| Barium | 0.1 | mg/L | | 0.1 | | E200.7 | 03/07/11 19:47 / cp |
| Boron | ND | mg/L | | 0.1 | | E200.7 | 03/07/11 19:47 / cp |
| Cadmium | ND | mg/L | | 0.005 | | E200.7 | 03/07/11 19:47 / cp |
| Chromium | ND | mg/L | | 0.05 | | E200.7 | 03/07/11 19:47 / cp |
| Copper | ND | mg/L | | 0.01 | | E200.7 | 03/07/11 19:47 / cp |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 03/07/11 19:47 / cp |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 03/10/11 02:19 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.7 | 03/07/11 19:47 / cp |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 03/10/11 02:19 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.7 | 03/07/11 19:47 / cp |
| Nickel | ND | mg/L | | 0.05 | | E200.7 | 03/07/11 19:47 / cp |
| Selenium | 0.002 | mg/L | | 0.001 | | E200.8 | 03/10/11 02:19 / sml |
| Uranium | 0.0079 | mg/L | | 0.0003 | | E200.8 | 03/10/11 02:19 / sml |
| Uranium, Activity | 5.3E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 03/10/11 02:19 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.7 | 03/07/11 19:47 / cp |
| Zinc | 0.01 | mg/L | | 0.01 | | E200.7 | 03/07/11 19:47 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 03/10/11 07:19 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 03/10/11 07:19 / sml |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11030099-001
Client Sample ID: E. Driller's Well

Report Date: 04/28/11
Collection Date: 02/25/11
Date Received: 03/02/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|------|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.9 | pCi/L | U | 0.9 | | E909.0 | 04/23/11 05:23 / eli-cs |
| Lead 210 precision (±) | 0.6 | pCi/L | | | | E909.0 | 04/23/11 05:23 / eli-cs |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 04/23/11 05:23 / eli-cs |
| Polonium 210 | <0.7 | pCi/L | U | 0.7 | | E912.0 | 03/11/11 13:06 / ep |
| Polonium 210 precision (±) | 0.4 | pCi/L | | | | E912.0 | 03/11/11 13:06 / ep |
| Polonium 210 MDC | 0.7 | pCi/L | | | | E912.0 | 03/11/11 13:06 / ep |
| Radium 226 | 1.4 | pCi/L | | 0.14 | | E903.0 | 03/14/11 17:02 / dmf |
| Radium 226 precision (±) | 0.23 | pCi/L | | | | E903.0 | 03/14/11 17:02 / dmf |
| Radium 226 MDC | 0.14 | pCi/L | | | | E903.0 | 03/14/11 17:02 / dmf |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 03/17/11 08:52 / dmf |
| Thorium 230 precision (±) | 0.1 | pCi/L | | | | E908.0 | 03/17/11 08:52 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 03/17/11 08:52 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <1.3 | pCi/L | U | 1.3 | | E909.0 | 03/27/11 09:26 / eli-cs |
| Lead 210 precision (±) | 0.8 | pCi/L | | | | E909.0 | 03/27/11 09:26 / eli-cs |
| Lead 210 MDC | 1.3 | pCi/L | | | | E909.0 | 03/27/11 09:26 / eli-cs |
| Polonium 210 | <0.3 | pCi/L | U | 0.3 | | E912.0 | 03/16/11 13:29 / ep |
| Polonium 210 precision (±) | 0.1 | pCi/L | | | | E912.0 | 03/16/11 13:29 / ep |
| Polonium 210 MDC | 0.3 | pCi/L | | | | E912.0 | 03/16/11 13:29 / ep |
| Radium 226 | 0.14 | pCi/L | | 0.09 | | E903.0 | 03/27/11 13:40 / trs |
| Radium 226 precision (±) | 0.08 | pCi/L | | | | E903.0 | 03/27/11 13:40 / trs |
| Radium 226 MDC | 0.09 | pCi/L | | | | E903.0 | 03/27/11 13:40 / trs |
| Thorium 230 | 4.6 | pCi/L | | 0.1 | | E908.0 | 03/14/11 14:50 / dmf |
| Thorium 230 precision (±) | 0.8 | pCi/L | | | | E908.0 | 03/14/11 14:50 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 03/14/11 14:50 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | -3.11 | % | | | | Calculation | 03/16/11 14:47 / kbh |
| Anions | 3.45 | meq/L | | | | Calculation | 03/16/11 14:47 / kbh |
| Cations | 3.24 | meq/L | | | | Calculation | 03/16/11 14:47 / kbh |
| Solids, Total Dissolved Calculated | 273 | mg/L | | | | Calculation | 03/16/11 14:47 / kbh |
| TDS Balance (0.80 - 1.20) | 0.830 | | | | | Calculation | 03/16/11 14:47 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11030099-002
Client Sample ID: W. Driller's Well

Report Date: 04/28/11
Collection Date: 02/25/11
Date Received: 03/02/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 146 | mg/L | | 1 | | A2320 B | 03/03/11 17:55 / jba |
| Carbonate as CO ₃ | 1 | mg/L | | 1 | | A2320 B | 03/03/11 17:55 / jba |
| Bicarbonate as HCO ₃ | 175 | mg/L | | 1 | | A2320 B | 03/03/11 17:55 / jba |
| Calcium | 29 | mg/L | | 1 | | E200.7 | 03/07/11 19:51 / cp |
| Chloride | 2 | mg/L | | 1 | | E300.0 | 03/05/11 01:09 / ljl |
| Fluoride | 0.5 | mg/L | | 0.1 | | A4500-F C | 03/04/11 10:44 / jba |
| Magnesium | 7 | mg/L | | 1 | | E200.7 | 03/07/11 19:51 / cp |
| Nitrogen, Ammonia as N | ND | mg/L | | 0.05 | | A4500-NH ₃ G | 03/08/11 15:43 / dc |
| Nitrogen, Nitrate+Nitrite as N | 1.1 | mg/L | | 0.1 | | E353.2 | 03/16/11 12:14 / dc |
| Potassium | 3 | mg/L | | 1 | | E200.7 | 03/07/11 19:51 / cp |
| Silica | 79.4 | mg/L | | 0.2 | | E200.7 | 03/07/11 19:51 / cp |
| Sodium | 20 | mg/L | | 1 | | E200.7 | 03/07/11 19:51 / cp |
| Sulfate | 10 | mg/L | | 1 | | E300.0 | 03/05/11 01:09 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 299 | umhos/cm | | 1 | | A2510 B | 03/03/11 14:40 / lr |
| pH | 8.02 | s.u. | | 0.01 | | A4500-H B | 03/03/11 14:40 / lr |
| Solids, Total Dissolved TDS @ 180 C | 231 | mg/L | | 10 | | A2540 C | 03/03/11 10:45 / lmc |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.7 | 03/07/11 19:51 / cp |
| Arsenic | 0.006 | mg/L | | 0.001 | | E200.8 | 03/10/11 02:25 / sml |
| Barium | ND | mg/L | | 0.1 | | E200.7 | 03/07/11 19:51 / cp |
| Boron | ND | mg/L | | 0.1 | | E200.7 | 03/07/11 19:51 / cp |
| Cadmium | ND | mg/L | | 0.005 | | E200.7 | 03/07/11 19:51 / cp |
| Chromium | ND | mg/L | | 0.05 | | E200.7 | 03/07/11 19:51 / cp |
| Copper | ND | mg/L | | 0.01 | | E200.7 | 03/07/11 19:51 / cp |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 03/07/11 19:51 / cp |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 03/10/11 02:25 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.7 | 03/07/11 19:51 / cp |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 03/10/11 02:25 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.7 | 03/07/11 19:51 / cp |
| Nickel | ND | mg/L | | 0.05 | | E200.7 | 03/07/11 19:51 / cp |
| Selenium | 0.002 | mg/L | | 0.001 | | E200.8 | 03/10/11 02:25 / sml |
| Uranium | 0.0053 | mg/L | | 0.0003 | | E200.8 | 03/10/11 02:25 / sml |
| Uranium, Activity | 3.6E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 03/10/11 02:25 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.7 | 03/07/11 19:51 / cp |
| Zinc | 0.01 | mg/L | | 0.01 | | E200.7 | 03/07/11 19:51 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 03/10/11 07:23 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 03/10/11 07:23 / sml |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11030099-002
Client Sample ID: W. Driller's Well

Report Date: 04/28/11
Collection Date: 02/25/11
Date Received: 03/02/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|------|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 04/23/11 11:58 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 04/23/11 11:58 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 04/23/11 11:58 / eli-cs |
| Polonium 210 | <0.9 | pCi/L | U | 0.9 | | E912.0 | 03/11/11 13:06 / ep |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 03/11/11 13:06 / ep |
| Polonium 210 MDC | 0.9 | pCi/L | | | | E912.0 | 03/11/11 13:06 / ep |
| Radium 226 | 0.70 | pCi/L | | 0.15 | | E903.0 | 03/14/11 17:02 / dmf |
| Radium 226 precision (±) | 0.18 | pCi/L | | | | E903.0 | 03/14/11 17:02 / dmf |
| Radium 226 MDC | 0.15 | pCi/L | | | | E903.0 | 03/14/11 17:02 / dmf |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 03/17/11 08:52 / dmf |
| Thorium 230 precision (±) | 0.1 | pCi/L | | | | E908.0 | 03/17/11 08:52 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 03/17/11 08:52 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <1.2 | pCi/L | U | 1.2 | | E909.0 | 03/27/11 16:01 / eli-cs |
| Lead 210 precision (±) | 0.7 | pCi/L | | | | E909.0 | 03/27/11 16:01 / eli-cs |
| Lead 210 MDC | 1.2 | pCi/L | | | | E909.0 | 03/27/11 16:01 / eli-cs |
| Polonium 210 | <0.3 | pCi/L | U | 0.3 | | E912.0 | 03/16/11 13:29 / ep |
| Polonium 210 precision (±) | 0.1 | pCi/L | | | | E912.0 | 03/16/11 13:29 / ep |
| Polonium 210 MDC | 0.3 | pCi/L | | | | E912.0 | 03/16/11 13:29 / ep |
| Radium 226 | 0.11 | pCi/L | | 0.1 | | E903.0 | 03/27/11 13:40 / trs |
| Radium 226 precision (±) | 0.08 | pCi/L | | | | E903.0 | 03/27/11 13:40 / trs |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 03/27/11 13:40 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 03/14/11 14:49 / dmf |
| Thorium 230 precision (±) | 0.08 | pCi/L | | | | E908.0 | 03/14/11 14:49 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 03/14/11 14:49 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | -3.29 | % | | | | Calculation | 03/16/11 14:48 / kbh |
| Anions | 3.22 | meq/L | | | | Calculation | 03/16/11 14:48 / kbh |
| Cations | 3.01 | meq/L | | | | Calculation | 03/16/11 14:48 / kbh |
| Solids, Total Dissolved Calculated | 260 | mg/L | | | | Calculation | 03/16/11 14:48 / kbh |
| TDS Balance (0.80 - 1.20) | 0.890 | | | | | Calculation | 03/16/11 14:48 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 04/28/11

Project: Marsland Baseline Samples

Work Order: C11030099

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|--|-------|---------------------------|-------|-----|------|-----------|----------------------|-----|----------|----------------|
| Method: A2320 B | | | | | | | | | | Batch: R143283 |
| Sample ID: MBLK | 3 | Method Blank | | | | | Run: MANTECH_110303A | | | 03/03/11 16:20 |
| Alkalinity, Total as CaCO ₃ | | 4 | mg/L | 1 | | | | | | |
| Carbonate as CO ₃ | | ND | mg/L | 1 | | | | | | |
| Bicarbonate as HCO ₃ | | 4 | mg/L | 1 | | | | | | |
| Sample ID: LCS | | Laboratory Control Sample | | | | | Run: MANTECH_110303A | | | 03/03/11 16:35 |
| Alkalinity, Total as CaCO ₃ | | 214 | mg/L | 5.0 | 105 | 90 | 110 | | | |
| Sample ID: C11030099-002BDUP | 3 | Sample Duplicate | | | | | Run: MANTECH_110303A | | | 03/03/11 18:04 |
| Alkalinity, Total as CaCO ₃ | | 149 | mg/L | 5.0 | | | | 2.0 | 10 | |
| Carbonate as CO ₃ | | ND | mg/L | 5.0 | | | | | 10 | |
| Bicarbonate as HCO ₃ | | 181 | mg/L | 5.0 | | | | 3.1 | 10 | |
| Sample ID: C11030099-002BMS | | Sample Matrix Spike | | | | | Run: MANTECH_110303A | | | 03/03/11 18:12 |
| Alkalinity, Total as CaCO ₃ | | 277 | mg/L | 5.0 | 105 | 80 | 120 | | | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



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Gillette, WY 866-686-7175 • Rapid City, SD 888-672-1225 • College Station, TX 888-690-2218

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 04/28/11

Project: Marsland Baseline Samples

Work Order: C11030099

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|---|----------|-----|------|-----------|-------------------------------------|-----|----------|----------------|
| Method: A2510 B | | | | | | | Analytical Run: ORION555A-2_110303A | | | |
| Sample ID: ICV2_110303_1 | | Initial Calibration Verification Standard | | | | | | | | 03/03/11 14:21 |
| Conductivity @ 25 C | | 1390 | umhos/cm | 1.0 | 99 | 90 | 110 | | | |
| Method: A2510 B | | | | | | | Batch: 110303_1_PH-W_555A-2 | | | |
| Sample ID: MBLK1_110303_1 | | Method Blank | | | | | | | | 03/03/11 14:18 |
| Conductivity @ 25 C | | 0.6 | umhos/cm | 0.2 | | | | | | |
| Sample ID: C11030104-001ADUP | | Sample Duplicate | | | | | | | | 03/03/11 14:46 |
| Conductivity @ 25 C | | 1090 | umhos/cm | 1.0 | | | | 0.2 | 10 | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 04/28/11

Project: Marsland Baseline Samples

Work Order: C11030099

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|---------------------------|-------|----|------|-----------|--------------------|-----|----------|----------------|
| Method: A2540 C | | | | | | | | | | Batch: R143314 |
| Sample ID: MBLK1_ | | Method Blank | | | | | Run: BAL-1_110303B | | | 03/03/11 10:43 |
| Solids, Total Dissolved TDS @ 180 C | | ND | mg/L | 4 | | | | | | |
| Sample ID: LCS1_ | | Laboratory Control Sample | | | | | Run: BAL-1_110303B | | | 03/03/11 10:43 |
| Solids, Total Dissolved TDS @ 180 C | | 991 | mg/L | 10 | 99 | 90 | 110 | | | |
| Sample ID: C11030105-004ADUP | | Sample Duplicate | | | | | Run: BAL-1_110303B | | | 03/03/11 10:47 |
| Solids, Total Dissolved TDS @ 180 C | | 2030 | mg/L | 10 | | | | 0.1 | 10 | |
| Sample ID: C11030105-011AMS | | Sample Matrix Spike | | | | | Run: BAL-1_110303B | | | 03/03/11 10:49 |
| Solids, Total Dissolved TDS @ 180 C | | 2630 | mg/L | 10 | 102 | 90 | 110 | | | |

Qualifiers:

RL - Analyte reporting limit.

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MDC - Minimum detectable concentration



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples

Report Date: 04/28/11
Work Order: C11030099

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|-------|------|-----------|----------------------|-----|----------|----------------|
| Method: A4500-F C | | | | | | | | | | Batch: R143304 |
| Sample ID: MBLK | | Method Blank | | | | | Run: MANTECH_110304A | | | 03/04/11 09:01 |
| Fluoride | | 0.02 | mg/L | 0.008 | | | | | | |
| Sample ID: LCS | | Laboratory Control Sample | | | | | Run: MANTECH_110304A | | | 03/04/11 09:04 |
| Fluoride | | 1.02 | mg/L | 0.10 | 100 | 90 | 110 | | | |
| Sample ID: C11030099-001BMS | | Sample Matrix Spike | | | | | Run: MANTECH_110304A | | | 03/04/11 10:38 |
| Fluoride | | 1.51 | mg/L | 0.10 | 100 | 80 | 120 | | | |
| Sample ID: C11030099-001BMSD | | Sample Matrix Spike Duplicate | | | | | Run: MANTECH_110304A | | | 03/04/11 10:41 |
| Fluoride | | 1.51 | mg/L | 0.10 | 100 | 80 | 120 | 0.0 | 10 | |

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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 04/28/11

Project: Marsland Baseline Samples

Work Order: C11030099

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|------------------------------|-------|---|-------|-------|------|-----------|------------|-------------------------------------|----------|----------------|
| Method: A4500-H B | | | | | | | | Analytical Run: ORION555A-2_110303A | | |
| Sample ID: ICV1_110303_1 | | Initial Calibration Verification Standard | | | | | | | | 03/03/11 14:19 |
| pH | | 6.90 | s.u. | 0.010 | 101 | 98 | 102 | | | |
| Method: A4500-H B | | | | | | | | Batch: 110303_1_PH-W_555A-2 | | |
| Sample ID: C11030104-001ADUP | | Sample Duplicate | | | | | | | | 03/03/11 14:46 |
| pH | | 6.93 | s.u. | 0.010 | | | | 0.9 | 3 | |

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QA/QC Summary Report

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Client: Crow Butte Resources

Report Date: 04/28/11

Project: Marsland Baseline Samples

Work Order: C11030099

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|-------|------|-----------|------------|-----|----------|---------------------------------------|
| Method: A4500-NH3 G | | | | | | | | | | Batch: R143422 |
| Sample ID: MBLK-6 | | Method Blank | | | | | | | | |
| Nitrogen, Ammonia as N | | ND | mg/L | 0.02 | | | | | | Run: TECHNICON_110308A 03/08/11 12:01 |
| Sample ID: LCS-7 | | Laboratory Control Sample | | | | | | | | |
| Nitrogen, Ammonia as N | | 1.92 | mg/L | 0.050 | 96 | 90 | 110 | | | Run: TECHNICON_110308A 03/08/11 12:03 |
| Sample ID: C11030107-002IMS | | Sample Matrix Spike | | | | | | | | |
| Nitrogen, Ammonia as N | | 2.10 | mg/L | 0.050 | 97 | 80 | 120 | | | Run: TECHNICON_110308A 03/08/11 15:51 |
| Sample ID: C11030107-002IMSD | | Sample Matrix Spike Duplicate | | | | | | | | |
| Nitrogen, Ammonia as N | | 2.13 | mg/L | 0.050 | 98 | 80 | 120 | 1.4 | 10 | Run: TECHNICON_110308A 03/08/11 15:53 |

Qualifiers:

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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples

Report Date: 04/28/11
Work Order: C11030099

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|----------------------------|-------|--------|------|-----------|---------------------|-----|----------|----------------|
| Method: E200.7 | | | | | | | | | | Batch: R143378 |
| Sample ID: MB-110307A | 17 | Method Blank | | | | | Run: ICP2-C_110307A | | | 03/07/11 13:04 |
| Aluminum | | ND | mg/L | 0.01 | | | | | | |
| Barium | | 0.002 | mg/L | 0.0005 | | | | | | |
| Boron | | ND | mg/L | 0.009 | | | | | | |
| Cadmium | | ND | mg/L | 0.001 | | | | | | |
| Calcium | | ND | mg/L | 0.2 | | | | | | |
| Chromium | | ND | mg/L | 0.002 | | | | | | |
| Copper | | ND | mg/L | 0.001 | | | | | | |
| Iron | | ND | mg/L | 0.002 | | | | | | |
| Magnesium | | ND | mg/L | 0.05 | | | | | | |
| Manganese | | ND | mg/L | 0.0004 | | | | | | |
| Molybdenum | | ND | mg/L | 0.005 | | | | | | |
| Nickel | | ND | mg/L | 0.003 | | | | | | |
| Potassium | | ND | mg/L | 0.02 | | | | | | |
| Silicon | | ND | mg/L | 0.007 | | | | | | |
| Sodium | | ND | mg/L | 0.3 | | | | | | |
| Vanadium | | 0.001 | mg/L | | | | | | | |
| Zinc | | ND | mg/L | 0.001 | | | | | | |
| Sample ID: LFB-110307A | 17 | Laboratory Fortified Blank | | | | | Run: ICP2-C_110307A | | | 03/07/11 13:08 |
| Aluminum | | 0.901 | mg/L | 0.10 | 90 | 85 | 115 | | | |
| Barium | | 0.946 | mg/L | 0.10 | 94 | 85 | 115 | | | |
| Boron | | 0.923 | mg/L | 0.10 | 92 | 85 | 115 | | | |
| Cadmium | | 0.974 | mg/L | 0.010 | 97 | 85 | 115 | | | |
| Calcium | | 49.0 | mg/L | 0.50 | 98 | 85 | 115 | | | |
| Chromium | | 0.946 | mg/L | 0.050 | 95 | 85 | 115 | | | |
| Copper | | 0.937 | mg/L | 0.010 | 94 | 85 | 115 | | | |
| Iron | | 0.983 | mg/L | 0.030 | 98 | 85 | 115 | | | |
| Magnesium | | 50.0 | mg/L | 0.50 | 100 | 85 | 115 | | | |
| Manganese | | 0.957 | mg/L | 0.010 | 96 | 85 | 115 | | | |
| Molybdenum | | 0.977 | mg/L | 0.10 | 98 | 85 | 115 | | | |
| Nickel | | 0.967 | mg/L | 0.050 | 97 | 85 | 115 | | | |
| Potassium | | 44.1 | mg/L | 0.50 | 88 | 85 | 115 | | | |
| Silicon | | 0.429 | mg/L | 0.10 | 91 | 85 | 115 | | | |
| Sodium | | 48.4 | mg/L | 0.50 | 97 | 85 | 115 | | | |
| Vanadium | | 1.02 | mg/L | 0.10 | 102 | 85 | 115 | | | |
| Zinc | | 0.950 | mg/L | 0.010 | 95 | 85 | 115 | | | |
| Sample ID: C11030022-001CMS2 | 17 | Sample Matrix Spike | | | | | Run: ICP2-C_110307A | | | 03/07/11 19:26 |
| Aluminum | | 1.98 | mg/L | 0.10 | 97 | 70 | 130 | | | |
| Barium | | 2.05 | mg/L | 0.10 | 97 | 70 | 130 | | | |
| Boron | | 2.34 | mg/L | 0.10 | 97 | 70 | 130 | | | |
| Cadmium | | 2.01 | mg/L | 0.010 | 98 | 70 | 130 | | | |
| Calcium | | 201 | mg/L | 1.0 | 101 | 70 | 130 | | | |
| Chromium | | 2.00 | mg/L | 0.050 | 98 | 70 | 130 | | | |
| Copper | | 2.05 | mg/L | 0.010 | 99 | 70 | 130 | | | |

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples

Report Date: 04/28/11
Work Order: C11030099

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|--|-------|--------|-------|-------|------|-----------|------------|-----|----------|------------------------------------|
| Method: E200.7 | | | | | | | | | | Batch: R143378 |
| Sample ID: C11030022-001CMS2 17 Sample Matrix Spike | | | | | | | | | | Run: ICP2-C_110307A 03/07/11 19:26 |
| Iron | | 2.07 | mg/L | 0.030 | 101 | 70 | 130 | | | |
| Magnesium | | 147 | mg/L | 1.0 | 98 | 70 | 130 | | | |
| Manganese | | 2.06 | mg/L | 0.010 | 101 | 70 | 130 | | | |
| Molybdenum | | 1.99 | mg/L | 0.10 | 98 | 70 | 130 | | | |
| Nickel | | 2.01 | mg/L | 0.050 | 99 | 70 | 130 | | | |
| Potassium | | 94.4 | mg/L | 1.0 | 90 | 70 | 130 | | | |
| Silicon | | 7.09 | mg/L | 0.10 | | 70 | 130 | | | A |
| Sodium | | 210 | mg/L | 1.0 | 102 | 70 | 130 | | | |
| Vanadium | | 2.10 | mg/L | 0.10 | 103 | 70 | 130 | | | |
| Zinc | | 2.07 | mg/L | 0.010 | 99 | 70 | 130 | | | |
| Sample ID: C11030022-001CMSD 17 Sample Matrix Spike Duplicate | | | | | | | | | | Run: ICP2-C_110307A 03/07/11 19:30 |
| Aluminum | | 1.99 | mg/L | 0.10 | 98 | 70 | 130 | 0.7 | 20 | |
| Barium | | 2.04 | mg/L | 0.10 | 97 | 70 | 130 | 0.2 | 20 | |
| Boron | | 2.46 | mg/L | 0.10 | 102 | 70 | 130 | 4.8 | 20 | |
| Cadmium | | 2.02 | mg/L | 0.010 | 99 | 70 | 130 | 0.8 | 20 | |
| Calcium | | 200 | mg/L | 1.0 | 101 | 70 | 130 | 0.3 | 20 | |
| Chromium | | 2.01 | mg/L | 0.050 | 98 | 70 | 130 | 0.5 | 20 | |
| Copper | | 2.01 | mg/L | 0.010 | 98 | 70 | 130 | 1.6 | 20 | |
| Iron | | 2.04 | mg/L | 0.030 | 100 | 70 | 130 | 1.3 | 20 | |
| Magnesium | | 150 | mg/L | 1.0 | 100 | 70 | 130 | 1.5 | 20 | |
| Manganese | | 2.07 | mg/L | 0.010 | 101 | 70 | 130 | 0.3 | 20 | |
| Molybdenum | | 2.02 | mg/L | 0.10 | 99 | 70 | 130 | 1.2 | 20 | |
| Nickel | | 1.99 | mg/L | 0.050 | 98 | 70 | 130 | 1.1 | 20 | |
| Potassium | | 95.9 | mg/L | 1.0 | 91 | 70 | 130 | 1.7 | 20 | |
| Silicon | | 7.17 | mg/L | 0.10 | | 70 | 130 | 1.1 | 20 | A |
| Sodium | | 207 | mg/L | 1.0 | 100 | 70 | 130 | 1.4 | 20 | |
| Vanadium | | 2.16 | mg/L | 0.10 | 106 | 70 | 130 | 3.0 | 20 | |
| Zinc | | 2.09 | mg/L | 0.010 | 100 | 70 | 130 | 1.3 | 20 | |

Qualifiers:

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ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 04/28/11

Project: Marsland Baseline Samples

Work Order: C11030099

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|---------|------|-----------|------------|-----------------------|----------|----------------|
| Method: E200.8 | | | | | | | | | | Batch: R143556 |
| Sample ID: LRB | 5 | Method Blank | | | | | | Run: ICPMS2-C_110309B | | 03/09/11 11:32 |
| Arsenic | | 8E-05 | mg/L | 6E-05 | | | | | | |
| Lead | | ND | mg/L | 3E-05 | | | | | | |
| Mercury | | ND | mg/L | 8E-05 | | | | | | |
| Selenium | | ND | mg/L | 0.0002 | | | | | | |
| Uranium | | ND | mg/L | 1E-05 | | | | | | |
| Sample ID: LFB | 5 | Laboratory Fortified Blank | | | | | | Run: ICPMS2-C_110309B | | 03/09/11 11:39 |
| Arsenic | | 0.0554 | mg/L | 0.0010 | 111 | 85 | 115 | | | |
| Lead | | 0.0551 | mg/L | 0.0010 | 110 | 85 | 115 | | | |
| Mercury | | 0.00546 | mg/L | 0.0010 | 109 | 85 | 115 | | | |
| Selenium | | 0.0562 | mg/L | 0.0010 | 112 | 85 | 115 | | | |
| Uranium | | 0.0554 | mg/L | 0.00030 | 111 | 85 | 115 | | | |
| Sample ID: C11030107-003DMS4 | 5 | Sample Matrix Spike | | | | | | Run: ICPMS2-C_110309B | | 03/10/11 03:47 |
| Arsenic | | 0.0523 | mg/L | 0.0010 | 105 | 70 | 130 | | | |
| Lead | | 0.0517 | mg/L | 0.050 | 103 | 70 | 130 | | | |
| Mercury | | 0.00517 | mg/L | 0.0010 | 103 | 70 | 130 | | | |
| Selenium | | 0.0524 | mg/L | 0.0010 | 104 | 70 | 130 | | | |
| Uranium | | 0.0534 | mg/L | 0.00030 | 106 | 70 | 130 | | | |
| Sample ID: C11030107-003DMSD | 5 | Sample Matrix Spike Duplicate | | | | | | Run: ICPMS2-C_110309B | | 03/10/11 03:53 |
| Arsenic | | 0.0522 | mg/L | 0.0010 | 104 | 70 | 130 | 0.1 | 20 | |
| Lead | | 0.0511 | mg/L | 0.050 | 102 | 70 | 130 | 1.1 | 20 | |
| Mercury | | 0.00509 | mg/L | 0.0010 | 102 | 70 | 130 | 1.5 | 20 | |
| Selenium | | 0.0525 | mg/L | 0.0010 | 104 | 70 | 130 | 0.2 | 20 | |
| Uranium | | 0.0531 | mg/L | 0.00030 | 106 | 70 | 130 | 0.6 | 20 | |
| Method: E200.8 | | | | | | | | | | Batch: 29230 |
| Sample ID: MB-29230 | | Method Blank | | | | | | Run: ICPMS4-C_110309B | | 03/10/11 07:06 |
| Uranium | | ND | mg/L | 7E-05 | | | | | | |
| Sample ID: LCS2-29230 | | Laboratory Control Sample | | | | | | Run: ICPMS4-C_110309B | | 03/10/11 07:11 |
| Uranium | | 0.0992 | mg/L | 0.00030 | 99 | 85 | 115 | | | |
| Sample ID: C11030099-002HMS | | Sample Matrix Spike | | | | | | Run: ICPMS4-C_110309B | | 03/10/11 07:43 |
| Uranium | | 0.0566 | mg/L | 0.00030 | 113 | 70 | 130 | | | |
| Sample ID: C11030099-002HMSD | | Sample Matrix Spike Duplicate | | | | | | Run: ICPMS4-C_110309B | | 03/10/11 07:47 |
| Uranium | | 0.0565 | mg/L | 0.00030 | 113 | 70 | 130 | 0.2 | 20 | |

Qualifiers:

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Client: Crow Butte Resources
Project: Marsland Baseline Samples

Report Date: 04/28/11
Work Order: C11030099

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|------|------|-----------|--------------------|-----|----------|----------------|
| Method: E300.0 | | | | | | | | | | Batch: R143337 |
| Sample ID: LCS | 2 | Laboratory Control Sample | | | | | Run: IC2-C_110303A | | | 03/03/11 13:10 |
| Chloride | | 10.1 | mg/L | 1.0 | 101 | 90 | 110 | | | |
| Sulfate | | 40.9 | mg/L | 1.0 | 102 | 90 | 110 | | | |
| Sample ID: MBLK | 2 | Method Blank | | | | | Run: IC2-C_110303A | | | 03/03/11 13:26 |
| Chloride | | ND | mg/L | 0.06 | | | | | | |
| Sulfate | | 0.2 | mg/L | 0.2 | | | | | | |
| Sample ID: LFB | 2 | Laboratory Fortified Blank | | | | | Run: IC2-C_110303A | | | 03/03/11 13:57 |
| Chloride | | 12.3 | mg/L | 1.0 | 98 | 90 | 110 | | | |
| Sulfate | | 49.8 | mg/L | 1.0 | 99 | 90 | 110 | | | |
| Sample ID: C11020738-001AMS | 2 | Sample Matrix Spike | | | | | Run: IC2-C_110303A | | | 03/05/11 00:23 |
| Chloride | | 15.8 | mg/L | 1.0 | 101 | 80 | 120 | | | |
| Sulfate | | 68.3 | mg/L | 1.0 | 99 | 80 | 120 | | | |
| Sample ID: C11020738-001AMSD | 2 | Sample Matrix Spike Duplicate | | | | | Run: IC2-C_110303A | | | 03/05/11 00:38 |
| Chloride | | 16.0 | mg/L | 1.0 | 103 | 80 | 120 | 1.5 | 10 | |
| Sulfate | | 69.1 | mg/L | 1.0 | 101 | 80 | 120 | 1.2 | 10 | |

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QA/QC Summary Report

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Client: Crow Butte Resources
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Report Date: 04/28/11
Work Order: C11030099

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|------|------|-----------|------------|-----|----------|---------------------------------------|
| Method: E353.2 | | | | | | | | | | Batch: R143280 |
| Sample ID: MBLK-1 | | Method Blank | | | | | | | | Run: TECHNICON_110303A 03/03/11 12:25 |
| Nitrogen, Nitrate+Nitrite as N | | ND | mg/L | 0.06 | | | | | | |
| Sample ID: LCS-2 | | Laboratory Control Sample | | | | | | | | Run: TECHNICON_110303A 03/03/11 12:28 |
| Nitrogen, Nitrate+Nitrite as N | | 2.52 | mg/L | 0.10 | 101 | 90 | 110 | | | |
| Sample ID: C11030065-002EMS | | Sample Matrix Spike | | | | | | | | Run: TECHNICON_110303A 03/03/11 15:18 |
| Nitrogen, Nitrate+Nitrite as N | | 2.13 | mg/L | 0.10 | 107 | 90 | 110 | | | |
| Sample ID: C11030065-002EMSD | | Sample Matrix Spike Duplicate | | | | | | | | Run: TECHNICON_110303A 03/03/11 15:20 |
| Nitrogen, Nitrate+Nitrite as N | | 2.17 | mg/L | 0.10 | 109 | 90 | 110 | 1.9 | 10 | |
| Method: E353.2 | | | | | | | | | | Batch: R143696 |
| Sample ID: MBLK-1 | | Method Blank | | | | | | | | Run: TECHNICON_110316A 03/16/11 12:09 |
| Nitrogen, Nitrate+Nitrite as N | | ND | mg/L | 0.06 | | | | | | |
| Sample ID: LCS-2 | | Laboratory Control Sample | | | | | | | | Run: TECHNICON_110316A 03/16/11 12:11 |
| Nitrogen, Nitrate+Nitrite as N | | 2.61 | mg/L | 0.10 | 104 | 90 | 110 | | | |
| Sample ID: C11030105-004DMS | | Sample Matrix Spike | | | | | | | | Run: TECHNICON_110316A 03/16/11 12:26 |
| Nitrogen, Nitrate+Nitrite as N | | 2.05 | mg/L | 0.10 | 105 | 90 | 110 | | | |
| Sample ID: C11030105-004DMSD | | Sample Matrix Spike Duplicate | | | | | | | | Run: TECHNICON_110316A 03/16/11 12:29 |
| Nitrogen, Nitrate+Nitrite as N | | 2.09 | mg/L | 0.10 | 107 | 90 | 110 | 1.9 | 10 | |

Qualifiers:

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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples

Report Date: 04/28/11
Work Order: C11030099

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------------------------------|--------|-------|-------------------------|------|-----------|----------------|------|----------|-------------------|
| Method: E903.0 | | | | | | | | | | Batch: RA226-5215 |
| Sample ID: C11030099-001DMS | Sample Matrix Spike | | | Run: G542M_110307A | | | 03/14/11 17:02 | | | |
| Radium 226 | 14 | pCi/L | | 98 | 70 | 130 | | | | |
| Sample ID: C11030099-001DMSD | Sample Matrix Spike Duplicate | | | Run: G542M_110307A | | | 03/14/11 17:02 | | | |
| Radium 226 | 15 | pCi/L | | 104 | 70 | 130 | 5.5 | 23.9 | | |
| Sample ID: MB-RA226-5215 | 3 Method Blank | | | Run: G542M_110307A | | | 03/14/11 22:15 | | | |
| Radium 226 | | -0.06 | pCi/L | | | | | | | U |
| Radium 226 precision (\pm) | | 0.08 | pCi/L | | | | | | | |
| Radium 226 MDC | | 0.2 | pCi/L | | | | | | | |
| Sample ID: LCS-RA226-5215 | Laboratory Control Sample | | | Run: G542M_110307A | | | 03/14/11 22:15 | | | |
| Radium 226 | 6.2 | pCi/L | | 99 | 85 | 115 | | | | |
| Method: E903.0 | | | | | | | | | | Batch: 29230 |
| Sample ID: C11030099-001HMS | Sample Matrix Spike | | | Run: TENNELEC-3_110318A | | | 03/27/11 13:40 | | | |
| Radium 226 | 11 | pCi/L | | 102 | 70 | 130 | | | | |
| Sample ID: C11030099-001HMSD | Sample Matrix Spike Duplicate | | | Run: TENNELEC-3_110318A | | | 03/27/11 13:40 | | | |
| Radium 226 | 11 | pCi/L | | 105 | 70 | 130 | 2.4 | 23.9 | | |
| Sample ID: MB-29230 | 3 Method Blank | | | Run: TENNELEC-3_110318A | | | 03/27/11 13:40 | | | |
| Radium 226 | | 0.3 | pCi/L | | | | | | | |
| Radium 226 precision (\pm) | | 0.2 | pCi/L | | | | | | | |
| Radium 226 MDC | | 0.2 | pCi/L | | | | | | | |
| Sample ID: LCS-29230 | Laboratory Control Sample | | | Run: TENNELEC-3_110318A | | | 03/27/11 13:40 | | | |
| Radium 226 | 12 | pCi/L | | 99 | 85 | 115 | | | | |

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 04/28/11

Project: Marsland Baseline Samples

Work Order: C11030099

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------|-------------------------------|--------------|-------|------------------------|------|-----------|----------------|-----------------------|----------|------|
| Method: E908.0 | | | | | | | | Batch: 29230 | | |
| Sample ID: C11030099-002HMS | Sample Matrix Spike | | | Run: EGG-ORTEC_110310B | | | 03/14/11 14:50 | | | |
| Thorium 230 | | 8.5 | pCi/L | 98 | | 70 | 130 | | | |
| Sample ID: C11030099-002HMSD | Sample Matrix Spike Duplicate | | | Run: EGG-ORTEC_110310B | | | 03/14/11 14:50 | | | |
| Thorium 230 | | 9.4 | pCi/L | 109 | | 70 | 130 | 10 | 46.4 | |
| Sample ID: LCS-29230 | Laboratory Control Sample | | | Run: EGG-ORTEC_110310B | | | 03/14/11 14:50 | | | |
| Thorium 230 | | 13 | pCi/L | 130 | | 70 | 130 | | | |
| Sample ID: MB-29230 | 3 | Method Blank | | Run: EGG-ORTEC_110310B | | | 03/14/11 14:50 | | | |
| Thorium 230 | | 0.1 | pCi/L | | | | | | | U |
| Thorium 230 precision (±) | | 0.2 | pCi/L | | | | | | | |
| Thorium 230 MDC | | 0.3 | pCi/L | | | | | | | |
| Method: E908.0 | | | | | | | | Batch: RA-TH-ISO-1344 | | |
| Sample ID: LCS-RA-TH-ISO-1344 | Laboratory Control Sample | | | Run: EGG-ORTEC_110314D | | | 03/17/11 08:52 | | | |
| Thorium 230 | | 5.3 | pCi/L | 101 | | 70 | 130 | | | |
| Sample ID: C11030099-001DMS | Sample Matrix Spike | | | Run: EGG-ORTEC_110314D | | | 03/17/11 08:52 | | | |
| Thorium 230 | | 13 | pCi/L | 104 | | 70 | 130 | | | |
| Sample ID: C11030099-001DMSD | Sample Matrix Spike Duplicate | | | Run: EGG-ORTEC_110314D | | | 03/17/11 08:52 | | | |
| Thorium 230 | | 13 | pCi/L | 102 | | 70 | 130 | 1.4 | 36.4 | |
| Sample ID: MB-RA-TH-ISO-1344 | 3 | Method Blank | | Run: EGG-ORTEC_110314D | | | 03/17/11 16:48 | | | |
| Thorium 230 | | 0.02 | pCi/L | | | | | | | U |
| Thorium 230 precision (±) | | 0.06 | pCi/L | | | | | | | |
| Thorium 230 MDC | | 0.1 | pCi/L | | | | | | | |

Qualifiers:

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ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 04/28/11

Project: Marsland Baseline Samples

Work Order: C11030099

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|----|------|-----------------|------------|-----|----------|----------------------|
| Method: E909.0 | | | | | | | | | | Batch: T_13526 |
| Sample ID: C11030099-001HMSD | | Sample Matrix Spike Duplicate | | | | Run: SUB-T39754 | | | | 03/27/11 13:49 |
| Lead 210 | | 94 | pCi/L | | 96 | 70 | 130 | 10 | | 17 |
| Sample ID: C11030099-001HMS | | Sample Matrix Spike | | | | Run: SUB-T39754 | | | | 03/27/11 11:38 |
| Lead 210 | | 100 | pCi/L | | 108 | 70 | 130 | | | |
| Sample ID: LCS-13526_29230 | | Laboratory Control Sample | | | | Run: SUB-T39754 | | | | 03/27/11 07:15 |
| Lead 210 | | 460 | pCi/L | | 125 | 70 | 130 | | | |
| Sample ID: MB-13526_29230 | 3 | Method Blank | | | | Run: SUB-T39754 | | | | 03/27/11 05:03 |
| Lead 210 | | 10 | pCi/L | | | | | | | U |
| Lead 210 precision (±) | | 8 | pCi/L | | | | | | | |
| Lead 210 MDC | | 10 | pCi/L | | | | | | | |
| Method: E909.0 | | | | | | | | | | Batch: T_PB-210-0095 |
| Sample ID: T11030080-001EMSD | | Sample Matrix Spike Duplicate | | | | Run: SUB-T40083 | | | | 04/23/11 09:46 |
| Lead 210 | | 48 | pCi/L | | 89 | 70 | 130 | 2.7 | | 16.2 |
| Sample ID: T11030080-001EMS | | Sample Matrix Spike | | | | Run: SUB-T40083 | | | | 04/23/11 07:35 |
| Lead 210 | | 49 | pCi/L | | 91 | 70 | 130 | | | |
| Sample ID: LCS-PB-210-0095 | | Laboratory Control Sample | | | | Run: SUB-T40083 | | | | 04/23/11 03:12 |
| Lead 210 | | 78 | pCi/L | | 109 | 70 | 130 | | | |
| Sample ID: MB-PB-210-0095 | 3 | Method Blank | | | | Run: SUB-T40083 | | | | 04/23/11 01:00 |
| Lead 210 | | -0.4 | pCi/L | | | | | | | U |
| Lead 210 precision (±) | | 1 | pCi/L | | | | | | | |
| Lead 210 MDC | | 2 | pCi/L | | | | | | | |

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 04/28/11

Project: Marsland Baseline Samples

Work Order: C11030099

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|------------------------------|-------------------------------|--------------|-------|-----|------|------------------------|------------------------|----------------|-------------------|------|
| Method: E912.0 | | | | | | | | | Batch: PO210-0348 | |
| Sample ID: C11030099-002FMS | Sample Matrix Spike | | | | | Run: EGG-ORTEC_110310A | | 03/11/11 13:06 | | |
| Polonium 210 | 13 | pCi/L | | 100 | 70 | 130 | | | | |
| Sample ID: C11030099-002FMSD | Sample Matrix Spike Duplicate | | | | | Run: EGG-ORTEC_110310A | | 03/11/11 13:06 | | |
| Polonium 210 | 15 | pCi/L | | 119 | 70 | 130 | 17 | 76 | | |
| Sample ID: MB-PO210-0348 | 3 | Method Blank | | | | | Run: EGG-ORTEC_110310A | | 03/11/11 13:06 | |
| Polonium 210 | | 0.07 | pCi/L | | | | | | | U |
| Polonium 210 precision (±) | | 0.3 | pCi/L | | | | | | | |
| Polonium 210 MDC | | 0.6 | pCi/L | | | | | | | |
| Sample ID: LCS-PO210-0348 | Laboratory Control Sample | | | | | Run: EGG-ORTEC_110310A | | 03/11/11 13:06 | | |
| Polonium 210 | 7.5 | pCi/L | | 115 | 70 | 130 | | | | |
| Method: E912.0 | | | | | | | | | Batch: 29230 | |
| Sample ID: C11030099-002HMS | Sample Matrix Spike | | | | | Run: EGG-ORTEC_110314B | | 03/16/11 13:29 | | |
| Polonium 210 | 6.3 | pCi/L | | 115 | 70 | 130 | | | | |
| Sample ID: C11030099-002HMSD | Sample Matrix Spike Duplicate | | | | | Run: EGG-ORTEC_110314B | | 03/16/11 13:29 | | |
| Polonium 210 | 5.5 | pCi/L | | 101 | 70 | 130 | 13 | 76.4 | | |
| Sample ID: LCS-29230 | Laboratory Control Sample | | | | | Run: EGG-ORTEC_110314B | | 03/16/11 13:29 | | |
| Polonium 210 | 30 | pCi/L | | 100 | 70 | 130 | | | | |
| Sample ID: MB-29230 | 3 | Method Blank | | | | | Run: EGG-ORTEC_110314B | | 03/16/11 13:29 | |
| Polonium 210 | | ND | pCi/L | | | | | | | U |
| Polonium 210 precision (±) | | 1.0 | pCi/L | | | | | | | |
| Polonium 210 MDC | | 2 | pCi/L | | | | | | | |

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



Workorder Receipt Checklist



C11030099

Login completed by: Corinne Wagner

Date Received: 3/2/2011

Reviewed by: BL2000\edwards

Received by: em

Reviewed Date: 3/3/2011

Carrier Next Day Air Saver
name:

| | | | |
|---|---|-----------------------------|--|
| Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Container/Temp Blank temperature: | 5.4°C On Ice | | |
| Water - VOA vials have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | No VOA vials submitted <input checked="" type="checkbox"/> |
| Water - pH acceptable upon receipt? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Applicable <input type="checkbox"/> |

Contact and Corrective Action Comments:

None



Chain of Custody and Analytical Request Record

Page 1 of 1

PLEASE PRINT- Provide as much information as possible.

| | | | | | | | | | | | | | | | | | | | | |
|---|--|--|--|--|-----------------------------|-------------------------|--------------------------------|---|---|---|---|----------------------------------|-------------------|--|--|--|--|--|--|----------------------|
| Company Name: Crow Butte Resources, Inc. | | | Project Name Marsland Baseline Samples | | | Sample Origin State: | | EPA/State Compliance: Yes <input type="checkbox"/> No <input type="checkbox"/> | | | | | | | | | | | | |
| Report Mail Address: P.O. Box 169 Crawford, NE 69339 | | | Contact Name: Larry Teahon | | Phone/Fax: 308-665-2341 | | Email: daxmynus@msn.com | | Sampler: (Please Print) Brooke Bass Rhonda Pelton | | | | | | | | | | | |
| Invoice Address: P.O. Box 169 Crawford, NE 69339 | | | Invoice Contact & Phone: Larry Teahon 308-665-2215 ext 114 | | | Purchase Order: 1125 | | Quote/Bottle Order: | | | | | | | | | | | | |
| Special Report/Formats – ELI must be notified prior to sample submittal for the following: <input type="checkbox"/> DW <input type="checkbox"/> A2LA <input type="checkbox"/> GSA <input type="checkbox"/> EDD/EDT (Electronic Data) <input type="checkbox"/> POTW/WWTP <input type="checkbox"/> Format: _____ <input type="checkbox"/> State: _____ <input type="checkbox"/> LEVEL IV <input type="checkbox"/> Other: _____ <input type="checkbox"/> NELAC | | | Number of Containers Sample Type: AWSVB O Air Water Soils/Solids Vegetation Bioassay Other | ANALYSIS REQUESTED | | | | | | RUSH Contact ELI prior to RUSH sample submittal for charges and scheduling – See Instruction Page Comments: NDEQ parameters for baseline sampling. Report on separate sheets. Analyze as per WDEQ Guideline 8 and NRC Reg. Guide 4.14 requirements. Record U as mg/L and µCi/ml and radiometrics as pCi/L. | Shipped by: NNA SQUAR Cooler ID(s): 12646 12637 | | | | | | | | | |
| | | | | SEE ATTACHED Normal Turnaround (TAT) | | | | | | | Receipt Temp 52 °C On Ice: <input checked="" type="radio"/> Yes <input type="radio"/> No Custody Seal Y <input checked="" type="radio"/> N Intact Y N Signature Match Y N | | | | | | | | | |
| SAMPLE IDENTIFICATION (Name, Location, Interval, etc.) | | | Collection Date | Collection Time | MATRIX | HNO3-F, Metals | RAW-F, Common Ions | RAW-UF, Alkalinity | H2SO4-F, NO2, NO3, NH4 | Raw-UF, Ra226, Po210 dis, sus | Raw-UF, Pb210 dis and sus | Raw-UF, Th230, U-nat dis and sus | | | | | | | | |
| 1 E. Driller's Well | | | 2/25/11 | | Water | .5 | 1 | 1 | .5 | 1 | 1 | 1 | | | | | | | | Please report 4/5/11 |
| 2 W. Driller's Well | | | 2/25/11 | | Water | .5 | 1 | 1 | .5 | 1 | 1 | 1 | | | | | | | | Please report 4/5/11 |
| 3 | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | |
| Custody Record MUST be Signed | | | Relinquished by (print): Rhonda Pelton | | Date/Time: 3-11-11 11:15 | | Signature: Rhonda Pelton | | Received by (print): LPS | | Date/Time: 3/9/11 9:30 | | Signature: LPS | | | | | | | |
| | | | Relinquished by (print): | | Date/Time: | | Signature: | | Received by (print): | | Date/Time: | | Signature: | | | | | | | |
| | | | Sample Disposal: Return to Client: No | | Lab Disposal: YES | | Received by Laboratory: LPS | | Date/Time: 3/9/11 9:30 | | Signature: LPS | | | | | | | | | |

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested.

This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report.

Visit our web site at www.enervlab.com for additional information, downloadable fee schedule, forms, and links.

CROW BUTTE RESOURCES, INC.
CROW BUTTE PROJECT

NO₂⁻

DATE: 2/25/11

ANALYST: MO

STANDARD CURVE DATA

| | | | | | | | |
|-----|-------------|--|-------------|-------------|-------------|--|--|
| | <u>BL</u> | | <u>.01</u> | <u>.05</u> | <u>.1</u> | | |
| Abs | <u>-.02</u> | | <u>.033</u> | <u>.174</u> | <u>.348</u> | | |
| Abs | | | | | | | |

| SAMPLE # | VOLUME | Df | Abs | |
|---------------------|-------------|----------|--------------|--------------|
| 1 <u>Marland DP</u> | <u>10ml</u> | <u>1</u> | <u>-.001</u> | <u><1</u> |
| 2 <u>Marland DP</u> | <u>10ml</u> | <u>1</u> | <u>-.001</u> | <u><1</u> |
| 3 <u>Dup DP</u> | <u>10ml</u> | <u>1</u> | <u>-.001</u> | <u><1</u> |
| 4 | | | | |
| 5 | | | | |
| Dup | | | | |
| 6 | | | | |
| 7 | | | | |
| 8 | | | | |
| 9 | | | | |
| 10 | | | | |
| Dup | | | | |
| 11 | | | | |
| 12 | | | | |
| 13 | | | | |
| 14 | | | | |
| 15 | | | | |
| Dup | | | | |
| 16 | | | | |
| 17 | | | | |
| 18 | | | | |
| 19 | | | | |
| 20 | | | | |
| Dup | | | | |
| 21 | | | | |
| 22 | | | | |
| 23 | | | | |
| 24 | | | | |
| 25 | | | | |
| Dup | | | | |



ANALYTICAL SUMMARY REPORT

April 18, 2011

Crow Butte Resources
86 Crow Butte Rd
Crawford, NE 69339

Workorder No.: C11030211 Quote ID: C1125 - Crow Butte Uranium

Project Name: Marsland G-8 Samples

Energy Laboratories, Inc. Casper WY received the following 4 samples for Crow Butte Resources on 3/8/2011 for analysis.

| Sample ID | Client Sample ID | Collect Date | Receive Date | Matrix | Test |
|---------------|------------------|----------------|--------------|---------|--|
| C11030211-001 | BOW 2010-2 | 03/04/11 00:00 | 03/08/11 | Aqueous | Metals by ICP/ICPMS, Dissolved Alkalinity QA Calculations Conductivity Sample Filtering Fluoride E300.0 Anions Uranium, Suspended Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Digestion, Total Metals Lead 210, Dissolved Lead 210, Suspended Polonium 210, Dissolved Polonium 210, Suspended Radium 226, Dissolved Radium 226, Suspended Thorium, Isotopic Thorium, Suspended Isotopic Solids, Total Dissolved |
| C11030211-002 | BOW 2010-3 | 03/04/11 00:00 | 03/08/11 | Aqueous | Same As Above |
| C11030211-003 | BOW 2010-5 | 03/04/11 00:00 | 03/08/11 | Aqueous | Same As Above |
| C11030211-004 | BOW 2010-6 | 03/04/11 00:00 | 03/08/11 | Aqueous | Same As Above |

This report was prepared by Energy Laboratories, Inc., 2393 Salt Creek Hwy., Casper, WY 82601. Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

The results as reported relate only to the item(s) submitted for testing.

If you have any questions regarding these test results, please call.

Report Approved By:



CLIENT: Crow Butte Resources
Project: Marsland G-8 Samples
Sample Delivery Group: C11030211

Report Date: 04/18/11

CASE NARRATIVE

BRANCH LABORATORY SUBCONTRACT ANALYSIS

Tests associated with analyst identified as ELI-CS were subcontracted to Energy Laboratories, 415 Graham Rd., College Station, TX, EPA Number TX01520.

RADIOCHEMISTRY ANALYSIS

Per client request, results less than MDC (or precision if no MDC), are reported as <MDC (or <precision). Actual instrument results are available by request.

ORIGINAL SAMPLE SUBMITTAL(S)

All original sample submittals have been returned with the data package.

SAMPLE TEMPERATURE COMPLIANCE: 4°C (±2°C)

Temperature of samples received may not be considered properly preserved by accepted standards. Samples that are hand delivered immediately after collection shall be considered acceptable if there is evidence that the chilling process has begun.

GROSS ALPHA ANALYSIS

Method 900.0 for gross alpha and gross beta is intended as a drinking water method for low TDS waters. Data provided by this method for non potable waters should be viewed as inconsistent.

SOIL/SOLID SAMPLES

All samples reported on an as received basis unless otherwise indicated.

SUBCONTRACTING ANALYSIS

Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.

BRANCH LABORATORY LOCATIONS

eli-b - Energy Laboratories, Inc. - Billings, MT
eli-g - Energy Laboratories, Inc. - Gillette, WY
eli-h - Energy Laboratories, Inc. - Helena, MT
eli-r - Energy Laboratories, Inc. - Rapid City, SD
eli-t - Energy Laboratories, Inc. - College Station, TX

CERTIFICATIONS:

USEPA: WY00002; FL-DOH NELAC: E87641; California: 02118CA
Oregon: WY200001; Utah: 3072350515; Virginia: 00057; Washington: C1903

ISO 17025 DISCLAIMER:

The results of this Analytical Report relate only to the items submitted for analysis.

ENERGY LABORATORIES, INC. - CASPER, WY certifies that certain method selections contained in this report meet requirements as set forth by the above accrediting authorities. Some results requested by the client may not be covered under these certifications. All analysis data to be submitted for regulatory enforcement should be certified in the sample state of origin. Please verify ELI's certification coverage by visiting www.energylab.com

ELI appreciates the opportunity to provide you with this analytical service. For additional information and services visit our web page www.energylab.com.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland G-8 Samples
Lab ID: C11030211-001
Client Sample ID: BOW 2010-2

Report Date: 04/18/11
Collection Date: 03/04/11
Date Received: 03/08/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 187 | mg/L | | 1 | | A2320 B | 03/08/11 18:54 / jba |
| Carbonate as CO ₃ | 38 | mg/L | | 1 | | A2320 B | 03/08/11 18:54 / jba |
| Bicarbonate as HCO ₃ | 152 | mg/L | | 1 | | A2320 B | 03/08/11 18:54 / jba |
| Calcium | 7 | mg/L | | 1 | | E200.7 | 03/11/11 16:56 / cp |
| Chloride | 27 | mg/L | | 1 | | E300.0 | 03/10/11 11:51 / ljl |
| Fluoride | 0.4 | mg/L | | 0.1 | | A4500-F C | 03/11/11 11:31 / jba |
| Magnesium | ND | mg/L | | 1 | | E200.7 | 03/11/11 16:56 / cp |
| Nitrogen, Ammonia as N | ND | mg/L | | 0.05 | | A4500-NH ₃ G | 03/08/11 15:03 / dc |
| Nitrogen, Nitrate+Nitrite as N | ND | mg/L | | 0.1 | | E353.2 | 03/10/11 14:05 / dc |
| Potassium | 11 | mg/L | | 1 | | E200.7 | 03/11/11 16:56 / cp |
| Silica | 85.9 | mg/L | | 0.2 | | E200.7 | 03/11/11 16:56 / cp |
| Sodium | 107 | mg/L | | 1 | | E200.7 | 03/11/11 16:56 / cp |
| Sulfate | 37 | mg/L | D | 2 | | E300.0 | 03/10/11 11:51 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 518 | umhos/cm | | 1 | | A2510 B | 03/08/11 15:16 / lr |
| pH | 9.32 | s.u. | | 0.01 | | A4500-H B | 03/08/11 15:16 / lr |
| Solids, Total Dissolved TDS @ 180 C | 377 | mg/L | | 10 | | A2540 C | 03/09/11 12:23 / lr |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.7 | 03/11/11 16:56 / cp |
| Arsenic | 0.005 | mg/L | | 0.001 | | E200.8 | 03/16/11 17:55 / sml |
| Barium | ND | mg/L | | 0.1 | | E200.7 | 03/11/11 16:56 / cp |
| Boron | 0.1 | mg/L | | 0.1 | | E200.7 | 03/11/11 16:56 / cp |
| Cadmium | ND | mg/L | | 0.005 | | E200.7 | 03/11/11 16:56 / cp |
| Chromium | ND | mg/L | | 0.05 | | E200.7 | 03/11/11 16:56 / cp |
| Copper | ND | mg/L | | 0.01 | | E200.7 | 03/11/11 16:56 / cp |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 03/11/11 16:56 / cp |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 03/16/11 17:55 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.7 | 03/11/11 16:56 / cp |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 03/16/11 17:55 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.7 | 03/11/11 16:56 / cp |
| Nickel | ND | mg/L | | 0.05 | | E200.7 | 03/11/11 16:56 / cp |
| Selenium | 0.002 | mg/L | | 0.001 | | E200.8 | 03/16/11 17:55 / sml |
| Uranium | 0.0031 | mg/L | | 0.0003 | | E200.8 | 03/16/11 17:55 / sml |
| Uranium, Activity | 2.1E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 03/16/11 17:55 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.7 | 03/11/11 16:56 / cp |
| Zinc | 0.03 | mg/L | | 0.01 | | E200.7 | 03/11/11 16:56 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 03/17/11 03:14 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 03/17/11 03:14 / sml |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland G-8 Samples
Lab ID: C11030211-001
Client Sample ID: BOW 2010-2

Report Date: 04/18/11
Collection Date: 03/04/11
Date Received: 03/08/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|------|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 03/25/11 05:44 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 03/25/11 05:44 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 03/25/11 05:44 / eli-cs |
| Polonium 210 | <0.7 | pCi/L | U | 0.7 | | E912.0 | 03/16/11 13:28 / ep |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 03/16/11 13:28 / ep |
| Polonium 210 MDC | 0.7 | pCi/L | | | | E912.0 | 03/16/11 13:28 / ep |
| Radium 226 | 0.31 | pCi/L | | 0.15 | | E903.0 | 03/21/11 17:17 / trs |
| Radium 226 precision (±) | 0.14 | pCi/L | | | | E903.0 | 03/21/11 17:17 / trs |
| Radium 226 MDC | 0.15 | pCi/L | | | | E903.0 | 03/21/11 17:17 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 03/22/11 09:00 / dmf |
| Thorium 230 precision (±) | 0.09 | pCi/L | | | | E908.0 | 03/22/11 09:00 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 03/22/11 09:00 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <1.3 | pCi/L | U | 1.3 | | E909.0 | 03/27/11 22:35 / eli-cs |
| Lead 210 precision (±) | 0.8 | pCi/L | | | | E909.0 | 03/27/11 22:35 / eli-cs |
| Lead 210 MDC | 1.3 | pCi/L | | | | E909.0 | 03/27/11 22:35 / eli-cs |
| Polonium 210 | <0.3 | pCi/L | U | 0.3 | | E912.0 | 03/17/11 13:08 / ep |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 03/17/11 13:08 / ep |
| Polonium 210 MDC | 0.3 | pCi/L | | | | E912.0 | 03/17/11 13:08 / ep |
| Radium 226 | <0.14 | pCi/L | U | 0.14 | | E903.0 | 03/21/11 15:15 / dmf |
| Radium 226 precision (±) | 0.08 | pCi/L | | | | E903.0 | 03/21/11 15:15 / dmf |
| Radium 226 MDC | 0.14 | pCi/L | | | | E903.0 | 03/21/11 15:15 / dmf |
| Thorium 230 | <0.06 | pCi/L | U | 0.06 | | E908.0 | 03/17/11 16:50 / dmf |
| Thorium 230 precision (±) | 0.05 | pCi/L | | | | E908.0 | 03/17/11 16:50 / dmf |
| Thorium 230 MDC | 0.06 | pCi/L | | | | E908.0 | 03/17/11 16:50 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 0.0154 | % | | | | Calculation | 03/16/11 15:39 / kbh |
| Anions | 5.30 | meq/L | | | | Calculation | 03/16/11 15:39 / kbh |
| Cations | 5.30 | meq/L | | | | Calculation | 03/16/11 15:39 / kbh |
| Solids, Total Dissolved Calculated | 410 | mg/L | | | | Calculation | 03/16/11 15:39 / kbh |
| TDS Balance (0.80 - 1.20) | 0.920 | | | | | Calculation | 03/16/11 15:39 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland G-8 Samples
Lab ID: C11030211-002
Client Sample ID: BOW 2010-3

Report Date: 04/18/11
Collection Date: 03/04/11
Date Received: 03/08/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 177 | mg/L | | 1 | | A2320 B | 03/08/11 19:03 / jba |
| Carbonate as CO ₃ | 31 | mg/L | | 1 | | A2320 B | 03/08/11 19:03 / jba |
| Bicarbonate as HCO ₃ | 154 | mg/L | | 1 | | A2320 B | 03/08/11 19:03 / jba |
| Calcium | 7 | mg/L | | 1 | | E200.7 | 03/22/11 15:32 / cp |
| Chloride | 38 | mg/L | | 1 | | E300.0 | 03/10/11 12:07 / ljl |
| Fluoride | 0.6 | mg/L | | 0.1 | | A4500-F C | 03/11/11 11:34 / jba |
| Magnesium | ND | mg/L | | 1 | | E200.7 | 03/22/11 15:32 / cp |
| Nitrogen, Ammonia as N | ND | mg/L | | 0.05 | | A4500-NH ₃ G | 03/08/11 15:27 / dc |
| Nitrogen, Nitrate+Nitrite as N | 1.0 | mg/L | | 0.1 | | E353.2 | 03/10/11 14:15 / dc |
| Potassium | 12 | mg/L | | 1 | | E200.7 | 03/22/11 15:32 / cp |
| Silica | 79.3 | mg/L | | 0.2 | | E200.7 | 03/11/11 17:04 / cp |
| Sodium | 126 | mg/L | | 1 | | E200.7 | 03/22/11 15:32 / cp |
| Sulfate | 60 | mg/L | D | 2 | | E300.0 | 03/10/11 12:07 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 584 | umhos/cm | | 1 | | A2510 B | 03/08/11 15:18 / lr |
| pH | 9.22 | s.u. | | 0.01 | | A4500-H B | 03/08/11 15:18 / lr |
| Solids, Total Dissolved TDS @ 180 C | 411 | mg/L | | 10 | | A2540 C | 03/09/11 12:23 / lr |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.7 | 03/11/11 17:04 / cp |
| Arsenic | 0.010 | mg/L | | 0.001 | | E200.8 | 03/16/11 18:02 / sml |
| Barium | ND | mg/L | | 0.1 | | E200.7 | 03/11/11 17:04 / cp |
| Boron | 0.1 | mg/L | | 0.1 | | E200.7 | 03/11/11 17:04 / cp |
| Cadmium | ND | mg/L | | 0.005 | | E200.7 | 03/11/11 17:04 / cp |
| Chromium | ND | mg/L | | 0.05 | | E200.7 | 03/11/11 17:04 / cp |
| Copper | ND | mg/L | | 0.01 | | E200.7 | 03/11/11 17:04 / cp |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 03/11/11 17:04 / cp |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 03/16/11 18:02 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.7 | 03/11/11 17:04 / cp |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 03/16/11 18:02 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.7 | 03/11/11 17:04 / cp |
| Nickel | ND | mg/L | | 0.05 | | E200.7 | 03/11/11 17:04 / cp |
| Selenium | 0.006 | mg/L | | 0.001 | | E200.8 | 03/16/11 18:02 / sml |
| Uranium | 0.0041 | mg/L | | 0.0003 | | E200.8 | 03/16/11 18:02 / sml |
| Uranium, Activity | 2.8E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 03/16/11 18:02 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.7 | 03/11/11 17:04 / cp |
| Zinc | 0.05 | mg/L | | 0.01 | | E200.7 | 03/11/11 17:04 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 03/17/11 03:18 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 03/17/11 03:18 / sml |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland G-8 Samples
Lab ID: C11030211-002
Client Sample ID: BOW 2010-3

Report Date: 04/18/11
Collection Date: 03/04/11
Date Received: 03/08/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|------|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 03/25/11 07:56 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 03/25/11 07:56 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 03/25/11 07:56 / eli-cs |
| Polonium 210 | <0.6 | pCi/L | U | 0.6 | | E912.0 | 03/16/11 13:28 / ep |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 03/16/11 13:28 / ep |
| Polonium 210 MDC | 0.6 | pCi/L | | | | E912.0 | 03/16/11 13:28 / ep |
| Radium 226 | 0.38 | pCi/L | | 0.15 | | E903.0 | 03/21/11 17:17 / trs |
| Radium 226 precision (±) | 0.15 | pCi/L | | | | E903.0 | 03/21/11 17:17 / trs |
| Radium 226 MDC | 0.15 | pCi/L | | | | E903.0 | 03/21/11 17:17 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 03/22/11 09:00 / dmf |
| Thorium 230 precision (±) | 0.08 | pCi/L | | | | E908.0 | 03/22/11 09:00 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 03/22/11 09:00 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <1.2 | pCi/L | U | 1.2 | | E909.0 | 03/28/11 05:10 / eli-cs |
| Lead 210 precision (±) | 0.7 | pCi/L | | | | E909.0 | 03/28/11 05:10 / eli-cs |
| Lead 210 MDC | 1.2 | pCi/L | | | | E909.0 | 03/28/11 05:10 / eli-cs |
| Polonium 210 | <0.2 | pCi/L | U | 0.2 | | E912.0 | 03/17/11 13:07 / ep |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 03/17/11 13:07 / ep |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 03/17/11 13:07 / ep |
| Radium 226 | <0.14 | pCi/L | U | 0.14 | | E903.0 | 03/21/11 15:15 / dmf |
| Radium 226 precision (±) | 0.09 | pCi/L | | | | E903.0 | 03/21/11 15:15 / dmf |
| Radium 226 MDC | 0.14 | pCi/L | | | | E903.0 | 03/21/11 15:15 / dmf |
| Thorium 230 | <0.08 | pCi/L | U | 0.08 | | E908.0 | 03/17/11 16:50 / dmf |
| Thorium 230 precision (±) | 0.05 | pCi/L | | | | E908.0 | 03/17/11 16:50 / dmf |
| Thorium 230 MDC | 0.08 | pCi/L | | | | E908.0 | 03/17/11 16:50 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 1.57 | % | | | | Calculation | 03/29/11 07:47 / kbh |
| Anions | 5.95 | meq/L | | | | Calculation | 03/29/11 07:47 / kbh |
| Cations | 6.14 | meq/L | | | | Calculation | 03/29/11 07:47 / kbh |
| Solids, Total Dissolved Calculated | 454 | mg/L | | | | Calculation | 03/29/11 07:47 / kbh |
| TDS Balance (0.80 - 1.20) | 0.910 | | | | | Calculation | 03/29/11 07:47 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland G-8 Samples
Lab ID: C11030211-003
Client Sample ID: BOW 2010-5

Report Date: 04/18/11
Collection Date: 03/04/11
Date Received: 03/08/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 151 | mg/L | | 1 | | A2320 B | 03/08/11 19:11 / jba |
| Carbonate as CO ₃ | 5 | mg/L | | 1 | | A2320 B | 03/08/11 19:11 / jba |
| Bicarbonate as HCO ₃ | 174 | mg/L | | 1 | | A2320 B | 03/08/11 19:11 / jba |
| Calcium | 29 | mg/L | | 1 | | E200.7 | 03/11/11 17:08 / cp |
| Chloride | 7 | mg/L | | 1 | | E300.0 | 03/10/11 12:53 / ljl |
| Fluoride | 0.6 | mg/L | | 0.1 | | A4500-F C | 03/11/11 11:36 / jba |
| Magnesium | 7 | mg/L | | 1 | | E200.7 | 03/11/11 17:08 / cp |
| Nitrogen, Ammonia as N | ND | mg/L | | 0.05 | | A4500-NH ₃ G | 03/08/11 15:29 / dc |
| Nitrogen, Nitrate+Nitrite as N | 0.9 | mg/L | | 0.1 | | E353.2 | 03/10/11 14:18 / dc |
| Potassium | 4 | mg/L | | 1 | | E200.7 | 03/11/11 17:08 / cp |
| Silica | 72.1 | mg/L | | 0.2 | | E200.7 | 03/11/11 17:08 / cp |
| Sodium | 26 | mg/L | | 1 | | E200.7 | 03/11/11 17:08 / cp |
| Sulfate | 9 | mg/L | | 1 | | E300.0 | 03/10/11 12:53 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 313 | umhos/cm | | 1 | | A2510 B | 03/08/11 15:21 / lr |
| pH | 8.23 | s.u. | | 0.01 | | A4500-H B | 03/08/11 15:21 / lr |
| Solids, Total Dissolved TDS @ 180 C | 231 | mg/L | | 10 | | A2540 C | 03/09/11 12:24 / lr |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.7 | 03/11/11 17:08 / cp |
| Arsenic | 0.003 | mg/L | | 0.001 | | E200.8 | 03/16/11 18:09 / smi |
| Barium | 0.1 | mg/L | | 0.1 | | E200.7 | 03/11/11 17:08 / cp |
| Boron | ND | mg/L | | 0.1 | | E200.7 | 03/11/11 17:08 / cp |
| Cadmium | ND | mg/L | | 0.005 | | E200.7 | 03/11/11 17:08 / cp |
| Chromium | ND | mg/L | | 0.05 | | E200.7 | 03/11/11 17:08 / cp |
| Copper | ND | mg/L | | 0.01 | | E200.7 | 03/11/11 17:08 / cp |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 03/11/11 17:08 / cp |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 03/16/11 18:09 / smi |
| Manganese | ND | mg/L | | 0.01 | | E200.7 | 03/11/11 17:08 / cp |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 03/16/11 18:09 / smi |
| Molybdenum | ND | mg/L | | 0.1 | | E200.7 | 03/11/11 17:08 / cp |
| Nickel | ND | mg/L | | 0.05 | | E200.7 | 03/11/11 17:08 / cp |
| Selenium | 0.002 | mg/L | | 0.001 | | E200.8 | 03/16/11 18:09 / smi |
| Uranium | 0.0061 | mg/L | | 0.0003 | | E200.8 | 03/16/11 18:09 / smi |
| Uranium, Activity | 4.1E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 03/16/11 18:09 / smi |
| Vanadium | ND | mg/L | | 0.1 | | E200.7 | 03/11/11 17:08 / cp |
| Zinc | 0.06 | mg/L | | 0.01 | | E200.7 | 03/11/11 17:08 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 03/17/11 03:39 / smi |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 03/17/11 03:39 / smi |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland G-8 Samples
Lab ID: C11030211-003
Client Sample ID: BOW 2010-5

Report Date: 04/18/11
Collection Date: 03/04/11
Date Received: 03/08/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|------|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 03/25/11 10:07 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 03/25/11 10:07 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 03/25/11 10:07 / eli-cs |
| Polonium 210 | <0.6 | pCi/L | U | 0.6 | | E912.0 | 03/16/11 13:28 / ep |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 03/16/11 13:28 / ep |
| Polonium 210 MDC | 0.6 | pCi/L | | | | E912.0 | 03/16/11 13:28 / ep |
| Radium 226 | 0.36 | pCi/L | | 0.15 | | E903.0 | 03/21/11 17:17 / trs |
| Radium 226 precision (±) | 0.15 | pCi/L | | | | E903.0 | 03/21/11 17:17 / trs |
| Radium 226 MDC | 0.15 | pCi/L | | | | E903.0 | 03/21/11 17:17 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 03/22/11 09:00 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 03/22/11 09:00 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 03/22/11 09:00 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <1.2 | pCi/L | U | 1.2 | | E909.0 | 03/28/11 07:21 / eli-cs |
| Lead 210 precision (±) | 0.7 | pCi/L | | | | E909.0 | 03/28/11 07:21 / eli-cs |
| Lead 210 MDC | 1.2 | pCi/L | | | | E909.0 | 03/28/11 07:21 / eli-cs |
| Polonium 210 | <0.3 | pCi/L | U | 0.3 | | E912.0 | 03/17/11 13:08 / ep |
| Polonium 210 precision (±) | 0.1 | pCi/L | | | | E912.0 | 03/17/11 13:08 / ep |
| Polonium 210 MDC | 0.3 | pCi/L | | | | E912.0 | 03/17/11 13:08 / ep |
| Radium 226 | <0.13 | pCi/L | U | 0.13 | | E903.0 | 03/21/11 15:15 / dmf |
| Radium 226 precision (±) | 0.08 | pCi/L | | | | E903.0 | 03/21/11 15:15 / dmf |
| Radium 226 MDC | 0.13 | pCi/L | | | | E903.0 | 03/21/11 15:15 / dmf |
| Thorium 230 | <0.07 | pCi/L | U | 0.07 | | E908.0 | 03/17/11 16:50 / dmf |
| Thorium 230 precision (±) | 0.04 | pCi/L | | | | E908.0 | 03/17/11 16:50 / dmf |
| Thorium 230 MDC | 0.07 | pCi/L | | | | E908.0 | 03/17/11 16:50 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | -3.95 | % | | | | Calculation | 03/16/11 15:41 / kbh |
| Anions | 3.51 | meq/L | | | | Calculation | 03/16/11 15:41 / kbh |
| Cations | 3.24 | meq/L | | | | Calculation | 03/16/11 15:41 / kbh |
| Solids, Total Dissolved Calculated | 269 | mg/L | | | | Calculation | 03/16/11 15:41 / kbh |
| TDS Balance (0.80 - 1.20) | 0.860 | | | | | Calculation | 03/16/11 15:41 / kbh |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland G-8 Samples
Lab ID: C11030211-004
Client Sample ID: BOW 2010-6

Report Date: 04/18/11
Collection Date: 03/04/11
Date Received: 03/08/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 144 | mg/L | | 1 | | A2320 B | 03/08/11 19:19 / jba |
| Carbonate as CO ₃ | 6 | mg/L | | 1 | | A2320 B | 03/08/11 19:19 / jba |
| Bicarbonate as HCO ₃ | 165 | mg/L | | 1 | | A2320 B | 03/08/11 19:19 / jba |
| Calcium | 31 | mg/L | | 1 | | E200.7 | 03/11/11 17:12 / cp |
| Chloride | 2 | mg/L | | 1 | | E300.0 | 03/10/11 13:39 / ljl |
| Fluoride | 0.6 | mg/L | | 0.1 | | A4500-F C | 03/11/11 11:39 / jba |
| Magnesium | 7 | mg/L | | 1 | | E200.7 | 03/11/11 17:12 / cp |
| Nitrogen, Ammonia as N | ND | mg/L | | 0.05 | | A4500-NH ₃ G | 03/08/11 15:31 / dc |
| Nitrogen, Nitrate+Nitrite as N | 1.0 | mg/L | | 0.1 | | E353.2 | 03/10/11 14:20 / dc |
| Potassium | 4 | mg/L | | 1 | | E200.7 | 03/11/11 17:12 / cp |
| Silica | 67.4 | mg/L | | 0.2 | | E200.7 | 03/11/11 17:12 / cp |
| Sodium | 24 | mg/L | | 1 | | E200.7 | 03/11/11 17:12 / cp |
| Sulfate | 2 | mg/L | | 1 | | E300.0 | 03/10/11 13:39 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 320 | umhos/cm | | 1 | | A2510 B | 03/08/11 15:23 / lr |
| pH | 8.31 | s.u. | | 0.01 | | A4500-H B | 03/08/11 15:23 / lr |
| Solids, Total Dissolved TDS @ 180 C | 216 | mg/L | | 10 | | A2540 C | 03/09/11 12:24 / lr |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.7 | 03/11/11 17:12 / cp |
| Arsenic | 0.005 | mg/L | | 0.001 | | E200.8 | 03/16/11 18:16 / sml |
| Barium | ND | mg/L | | 0.1 | | E200.7 | 03/11/11 17:12 / cp |
| Boron | ND | mg/L | | 0.1 | | E200.7 | 03/11/11 17:12 / cp |
| Cadmium | ND | mg/L | | 0.005 | | E200.7 | 03/11/11 17:12 / cp |
| Chromium | ND | mg/L | | 0.05 | | E200.7 | 03/11/11 17:12 / cp |
| Copper | ND | mg/L | | 0.01 | | E200.7 | 03/11/11 17:12 / cp |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 03/11/11 17:12 / cp |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 03/16/11 18:16 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.7 | 03/11/11 17:12 / cp |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 03/16/11 18:16 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.7 | 03/11/11 17:12 / cp |
| Nickel | ND | mg/L | | 0.05 | | E200.7 | 03/11/11 17:12 / cp |
| Selenium | 0.003 | mg/L | | 0.001 | | E200.8 | 03/16/11 18:16 / sml |
| Uranium | 0.0052 | mg/L | | 0.0003 | | E200.8 | 03/16/11 18:16 / sml |
| Uranium, Activity | 3.6E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 03/16/11 18:16 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.7 | 03/11/11 17:12 / cp |
| Zinc | 0.03 | mg/L | | 0.01 | | E200.7 | 03/11/11 17:12 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 03/17/11 03:43 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 03/17/11 03:43 / sml |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland G-8 Samples
Lab ID: C11030211-004
Client Sample ID: BOW 2010-6

Report Date: 04/18/11
Collection Date: 03/04/11
Date Received: 03/08/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|------|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 03/25/11 12:19 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 03/25/11 12:19 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 03/25/11 12:19 / eli-cs |
| Polonium 210 | <0.5 | pCi/L | U | 0.5 | | E912.0 | 03/16/11 13:28 / ep |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 03/16/11 13:28 / ep |
| Polonium 210 MDC | 0.5 | pCi/L | | | | E912.0 | 03/16/11 13:28 / ep |
| Radium 226 | <0.13 | pCi/L | U | 0.13 | | E903.0 | 03/21/11 17:17 / trs |
| Radium 226 precision (±) | 0.08 | pCi/L | | | | E903.0 | 03/21/11 17:17 / trs |
| Radium 226 MDC | 0.13 | pCi/L | | | | E903.0 | 03/21/11 17:17 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 03/22/11 09:00 / dmf |
| Thorium 230 precision (±) | 0.08 | pCi/L | | | | E908.0 | 03/22/11 09:00 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 03/22/11 09:00 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <1.2 | pCi/L | U | 1.2 | | E909.0 | 03/28/11 09:33 / eli-cs |
| Lead 210 precision (±) | 0.7 | pCi/L | | | | E909.0 | 03/28/11 09:33 / eli-cs |
| Lead 210 MDC | 1.2 | pCi/L | | | | E909.0 | 03/28/11 09:33 / eli-cs |
| Polonium 210 | <0.2 | pCi/L | U | 0.2 | | E912.0 | 03/17/11 13:08 / ep |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 03/17/11 13:08 / ep |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 03/17/11 13:08 / ep |
| Radium 226 | <0.13 | pCi/L | U | 0.13 | | E903.0 | 03/21/11 15:15 / dmf |
| Radium 226 precision (±) | 0.08 | pCi/L | | | | E903.0 | 03/21/11 15:15 / dmf |
| Radium 226 MDC | 0.13 | pCi/L | | | | E903.0 | 03/21/11 15:15 / dmf |
| Thorium 230 | <0.05 | pCi/L | U | 0.05 | | E908.0 | 03/17/11 16:50 / dmf |
| Thorium 230 precision (±) | 0.04 | pCi/L | | | | E908.0 | 03/17/11 16:50 / dmf |
| Thorium 230 MDC | 0.05 | pCi/L | | | | E908.0 | 03/17/11 16:50 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 2.60 | % | | | | Calculation | 03/16/11 15:41 / kbh |
| Anions | 3.10 | meq/L | | | | Calculation | 03/16/11 15:41 / kbh |
| Cations | 3.27 | meq/L | | | | Calculation | 03/16/11 15:41 / kbh |
| Solids, Total Dissolved Calculated | 248 | mg/L | | | | Calculation | 03/16/11 15:41 / kbh |
| TDS Balance (0.80 - 1.20) | 0.870 | | | | | Calculation | 03/16/11 15:41 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 04/18/11

Project: Marsland G-8 Samples

Work Order: C11030211

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|--|-------|---------------------------|-------|-----|------|-----------|----------------------|-----|----------|----------------|
| Method: A2320 B | | | | | | | | | | Batch: R143427 |
| Sample ID: MBLK | 3 | Method Blank | | | | | Run: MANTECH_110308A | | | 03/08/11 16:36 |
| Alkalinity, Total as CaCO ₃ | | ND | mg/L | 1.0 | | | | | | |
| Carbonate as CO ₃ | | ND | mg/L | 1.0 | | | | | | |
| Bicarbonate as HCO ₃ | | 1.12 | mg/L | 1.0 | | | | | | |
| Sample ID: LCS | | Laboratory Control Sample | | | | | Run: MANTECH_110308A | | | 03/08/11 16:51 |
| Alkalinity, Total as CaCO ₃ | | 209 | mg/L | 5.0 | 104 | 90 | 110 | | | |
| Sample ID: C11030160-009AMS | | Sample Matrix Spike | | | | | Run: MANTECH_110308A | | | 03/08/11 17:15 |
| Alkalinity, Total as CaCO ₃ | | 233 | mg/L | 5.0 | 103 | 80 | 120 | | | |
| Sample ID: C11030211-004BDUP | | Sample Duplicate | | | | | Run: MANTECH_110308A | | | 03/08/11 19:27 |
| Alkalinity, Total as CaCO ₃ | | 144 | mg/L | 5.0 | | | | 0.2 | 10 | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 04/18/11

Project: Marsland G-8 Samples

Work Order: C11030211

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|---|----------|--------------------------|------|-----------|-------------------------------------|----------------|----------|----------------|
| Method: A2510 B | | | | | | | Analytical Run: ORION555A-2_110308A | | | |
| Sample ID: ICV2_110308_1 | | Initial Calibration Verification Standard | | | | | | | | 03/08/11 14:59 |
| Conductivity @ 25 C | | 1390 | umhos/cm | 1.0 | 98 | 90 | 110 | | | |
| Method: A2510 B | | | | | | | Batch: 110308_1_PH-W_555A-2 | | | |
| Sample ID: MBLK1_110308_1 | | Method Blank | | Run: ORION555A-2_110308A | | | | 03/08/11 14:55 | | |
| Conductivity @ 25 C | | ND | umhos/cm | 1.0 | | | | | | |
| Sample ID: C11030211-002BDUP | | Sample Duplicate | | Run: ORION555A-2_110308A | | | | 03/08/11 15:19 | | |
| Conductivity @ 25 C | | 585 | umhos/cm | 1.0 | | | | 0.2 | 10 | |
| Sample ID: C11030211-004BDUP | | Sample Duplicate | | Run: ORION555A-2_110308A | | | | 03/08/11 15:25 | | |
| Conductivity @ 25 C | | 320 | umhos/cm | 1.0 | | | | 0.0 | 10 | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 04/18/11

Project: Marsland G-8 Samples

Work Order: C11030211

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|---------------------------|-------|----|------|--------------------|------------|----------------------------|----------|------|
| Method: A2540 C | | | | | | | | Batch: 110309_1_SLDS-TDS-W | | |
| Sample ID: MBLK1_110309 | | Method Blank | | | | Run: BAL-1_110309A | | 03/09/11 12:22 | | |
| Solids, Total Dissolved TDS @ 180 C | | ND | mg/L | 10 | | | | | | |
| Sample ID: LCS1_110309 | | Laboratory Control Sample | | | | Run: BAL-1_110309A | | 03/09/11 12:22 | | |
| Solids, Total Dissolved TDS @ 180 C | | 988 | mg/L | 10 | 99 | 90 | 110 | | | |
| Sample ID: C11030211-001ADUP | | Sample Duplicate | | | | Run: BAL-1_110309A | | 03/09/11 12:23 | | |
| Solids, Total Dissolved TDS @ 180 C | | 378 | mg/L | 10 | | | | 0.3 | 10 | |
| Sample ID: C11030231-001AMS | | Sample Matrix Spike | | | | Run: BAL-1_110309A | | 03/09/11 12:24 | | |
| Solids, Total Dissolved TDS @ 180 C | | 4250 | mg/L | 10 | 100 | 90 | 110 | | | |

Qualifiers:

RL - Analyte reporting limit.

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MDC - Minimum detectable concentration



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 04/18/11

Project: Marsland G-8 Samples

Work Order: C11030211

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|------|------|-----------|----------------------|-----|----------|----------------|
| Method: A4500-F C | | | | | | | | | | Batch: R143532 |
| Sample ID: MBLK | | Method Blank | | | | | Run: MANTECH_110311A | | | 03/11/11 10:25 |
| Fluoride | | ND | mg/L | 0.10 | | | | | | |
| Sample ID: LCS | | Laboratory Control Sample | | | | | Run: MANTECH_110311A | | | 03/11/11 10:27 |
| Fluoride | | 1.02 | mg/L | 0.10 | 100 | 90 | 110 | | | |
| Sample ID: C11030209-001CMS | | Sample Matrix Spike | | | | | Run: MANTECH_110311A | | | 03/11/11 11:26 |
| Fluoride | | 1.04 | mg/L | 0.10 | 100 | 80 | 120 | | | |
| Sample ID: C11030209-001CMSD | | Sample Matrix Spike Duplicate | | | | | Run: MANTECH_110311A | | | 03/11/11 11:28 |
| Fluoride | | 1.04 | mg/L | 0.10 | 100 | 80 | 120 | 0.0 | 10 | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 04/18/11

Project: Marsland G-8 Samples

Work Order: C11030211

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|------------------------------|-------|---|-------|--------------------------|------|-----------|-------------------------------------|-----|----------|----------------|
| Method: A4500-H B | | | | | | | Analytical Run: ORION555A-2_110308A | | | |
| Sample ID: ICV1_110308_1 | | Initial Calibration Verification Standard | | | | | | | | 03/08/11 14:57 |
| pH | | 6.90 | s.u. | 0.010 | 101 | 98 | 102 | | | |
| Method: A4500-H B | | | | | | | Batch: 110308_1_PH-W_555A-2 | | | |
| Sample ID: C11030211-002BDUP | | Sample Duplicate | | Run: ORION555A-2_110308A | | | 03/08/11 15:19 | | | |
| pH | | 9.22 | s.u. | 0.010 | | | | 0.0 | 3 | |
| Sample ID: C11030211-004BDUP | | Sample Duplicate | | Run: ORION555A-2_110308A | | | 03/08/11 15:25 | | | |
| pH | | 8.30 | s.u. | 0.010 | | | | 0.1 | 3 | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 04/18/11

Project: Marsland G-8 Samples

Work Order: C11030211

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|-------|------|-----------|------------------------|-----|----------|----------------|
| Method: A4500-NH3 G | | | | | | | | | | Batch: R143422 |
| Sample ID: MBLK-6 | | Method Blank | | | | | Run: TECHNICON_110308A | | | 03/08/11 12:01 |
| Nitrogen, Ammonia as N | | ND | mg/L | 0.050 | | | | | | |
| Sample ID: LCS-7 | | Laboratory Control Sample | | | | | Run: TECHNICON_110308A | | | 03/08/11 12:03 |
| Nitrogen, Ammonia as N | | 1.92 | mg/L | 0.050 | 96 | 90 | 110 | | | |
| Sample ID: C11030089-001AMS | | Sample Matrix Spike | | | | | Run: TECHNICON_110308A | | | 03/08/11 15:21 |
| Nitrogen, Ammonia as N | | 1.86 | mg/L | 0.050 | 93 | 80 | 120 | | | |
| Sample ID: C11030089-001AMSD | | Sample Matrix Spike Duplicate | | | | | Run: TECHNICON_110308A | | | 03/08/11 15:23 |
| Nitrogen, Ammonia as N | | 1.89 | mg/L | 0.050 | 95 | 80 | 120 | 1.5 | 10 | |

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 04/18/11

Project: Marsland G-8 Samples

Work Order: C11030211

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|----------------------------|-------|--------|------|-----------|---------------------|-----|----------|----------------|
| Method: E200.7 | | | | | | | | | | Batch: R143542 |
| Sample ID: MB-110311A | 17 | Method Blank | | | | | Run: ICP2-C_110311A | | | 03/11/11 15:47 |
| Aluminum | | ND | mg/L | 0.10 | | | | | | |
| Barium | | ND | mg/L | 0.10 | | | | | | |
| Boron | | ND | mg/L | 0.10 | | | | | | |
| Cadmium | | ND | mg/L | 0.0050 | | | | | | |
| Calcium | | ND | mg/L | 1.0 | | | | | | |
| Chromium | | ND | mg/L | 0.050 | | | | | | |
| Copper | | ND | mg/L | 0.010 | | | | | | |
| Iron | | ND | mg/L | 0.030 | | | | | | |
| Magnesium | | ND | mg/L | 1.0 | | | | | | |
| Manganese | | ND | mg/L | 0.010 | | | | | | |
| Molybdenum | | ND | mg/L | 0.10 | | | | | | |
| Nickel | | ND | mg/L | 0.050 | | | | | | |
| Potassium | | ND | mg/L | 1.0 | | | | | | |
| Silicon | | ND | mg/L | 0.10 | | | | | | |
| Sodium | | ND | mg/L | 1.0 | | | | | | |
| Vanadium | | ND | mg/L | 0.10 | | | | | | |
| Zinc | | ND | mg/L | 0.010 | | | | | | |
| Sample ID: LFB-110311A | 17 | Laboratory Fortified Blank | | | | | Run: ICP2-C_110311A | | | 03/11/11 15:51 |
| Aluminum | | 0.932 | mg/L | 0.10 | 93 | 85 | 115 | | | |
| Barium | | 0.931 | mg/L | 0.10 | 93 | 85 | 115 | | | |
| Boron | | 0.950 | mg/L | 0.10 | 94 | 85 | 115 | | | |
| Cadmium | | 0.941 | mg/L | 0.010 | 94 | 85 | 115 | | | |
| Calcium | | 47.3 | mg/L | 0.50 | 95 | 85 | 115 | | | |
| Chromium | | 0.960 | mg/L | 0.050 | 96 | 85 | 115 | | | |
| Copper | | 0.941 | mg/L | 0.010 | 94 | 85 | 115 | | | |
| Iron | | 0.963 | mg/L | 0.030 | 96 | 85 | 115 | | | |
| Magnesium | | 48.2 | mg/L | 0.50 | 96 | 85 | 115 | | | |
| Manganese | | 0.965 | mg/L | 0.010 | 96 | 85 | 115 | | | |
| Molybdenum | | 0.958 | mg/L | 0.10 | 96 | 85 | 115 | | | |
| Nickel | | 0.961 | mg/L | 0.050 | 96 | 85 | 115 | | | |
| Potassium | | 46.2 | mg/L | 0.50 | 92 | 85 | 115 | | | |
| Silicon | | 0.428 | mg/L | 0.10 | 91 | 85 | 115 | | | |
| Sodium | | 46.4 | mg/L | 0.50 | 93 | 85 | 115 | | | |
| Vanadium | | 0.944 | mg/L | 0.10 | 94 | 85 | 115 | | | |
| Zinc | | 0.958 | mg/L | 0.010 | 96 | 85 | 115 | | | |
| Sample ID: C11030134-001CMS2 | 17 | Sample Matrix Spike | | | | | Run: ICP2-C_110311A | | | 03/11/11 16:48 |
| Aluminum | | 1.92 | mg/L | 0.10 | 94 | 70 | 130 | | | |
| Barium | | 1.97 | mg/L | 0.10 | 93 | 70 | 130 | | | |
| Boron | | 1.93 | mg/L | 0.10 | 93 | 70 | 130 | | | |
| Cadmium | | 1.91 | mg/L | 0.010 | 94 | 70 | 130 | | | |
| Calcium | | 126 | mg/L | 1.0 | 95 | 70 | 130 | | | |
| Chromium | | 1.91 | mg/L | 0.050 | 94 | 70 | 130 | | | |
| Copper | | 1.93 | mg/L | 0.010 | 94 | 70 | 130 | | | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 04/18/11

Project: Marsland G-8 Samples

Work Order: C11030211

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|--|-------|--------|-------|-------|------|-----------|------------|-----|----------|------------------------------------|
| Method: E200.7 | | | | | | | | | | Batch: R143542 |
| Sample ID: C11030134-001CMS2 17 Sample Matrix Spike | | | | | | | | | | Run: ICP2-C_110311A 03/11/11 16:48 |
| Iron | | 2.03 | mg/L | 0.030 | 99 | 70 | 130 | | | |
| Magnesium | | 106 | mg/L | 1.0 | 97 | 70 | 130 | | | |
| Manganese | | 1.94 | mg/L | 0.010 | 95 | 70 | 130 | | | |
| Molybdenum | | 1.90 | mg/L | 0.10 | 93 | 70 | 130 | | | |
| Nickel | | 1.94 | mg/L | 0.050 | 95 | 70 | 130 | | | |
| Potassium | | 90.7 | mg/L | 1.0 | 87 | 70 | 130 | | | |
| Silicon | | 7.19 | mg/L | 0.10 | | 70 | 130 | | | A |
| Sodium | | 113 | mg/L | 1.0 | 97 | 70 | 130 | | | |
| Vanadium | | 2.01 | mg/L | 0.10 | 99 | 70 | 130 | | | |
| Zinc | | 1.95 | mg/L | 0.010 | 95 | 70 | 130 | | | |
| Sample ID: C11030134-001CMSD 17 Sample Matrix Spike Duplicate | | | | | | | | | | Run: ICP2-C_110311A 03/11/11 16:52 |
| Aluminum | | 1.90 | mg/L | 0.10 | 93 | 70 | 130 | 1.2 | 20 | |
| Barium | | 1.97 | mg/L | 0.10 | 93 | 70 | 130 | 0.1 | 20 | |
| Boron | | 1.96 | mg/L | 0.10 | 94 | 70 | 130 | 1.2 | 20 | |
| Cadmium | | 1.89 | mg/L | 0.010 | 93 | 70 | 130 | 1.1 | 20 | |
| Calcium | | 128 | mg/L | 1.0 | 97 | 70 | 130 | 1.1 | 20 | |
| Chromium | | 1.91 | mg/L | 0.050 | 94 | 70 | 130 | 0.0 | 20 | |
| Copper | | 1.91 | mg/L | 0.010 | 93 | 70 | 130 | 1.1 | 20 | |
| Iron | | 2.02 | mg/L | 0.030 | 99 | 70 | 130 | 0.2 | 20 | |
| Magnesium | | 106 | mg/L | 1.0 | 96 | 70 | 130 | 0.4 | 20 | |
| Manganese | | 1.93 | mg/L | 0.010 | 95 | 70 | 130 | 0.3 | 20 | |
| Molybdenum | | 1.91 | mg/L | 0.10 | 94 | 70 | 130 | 0.5 | 20 | |
| Nickel | | 1.95 | mg/L | 0.050 | 96 | 70 | 130 | 0.7 | 20 | |
| Potassium | | 89.6 | mg/L | 1.0 | 86 | 70 | 130 | 1.2 | 20 | |
| Silicon | | 7.30 | mg/L | 0.10 | | 70 | 130 | 1.5 | 20 | A |
| Sodium | | 113 | mg/L | 1.0 | 97 | 70 | 130 | 0.4 | 20 | |
| Vanadium | | 2.00 | mg/L | 0.10 | 98 | 70 | 130 | 0.8 | 20 | |
| Zinc | | 1.94 | mg/L | 0.010 | 94 | 70 | 130 | 0.7 | 20 | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

MDC - Minimum detectable concentration



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Gillette, WY 866-686-7175 • Rapid City, SD 888-672-1225 • College Station, TX 888-690-2218

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 04/18/11

Project: Marsland G-8 Samples

Work Order: C11030211

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|------|------|-----------|---------------------|-----|----------|----------------|
| Method: E200.7 | | | | | | | | | | Batch: R143980 |
| Sample ID: MB-110322A | 4 | Method Blank | | | | | Run: ICP2-C_110322A | | | 03/22/11 11:43 |
| Calcium | | ND | mg/L | 1.0 | | | | | | |
| Magnesium | | ND | mg/L | 1.0 | | | | | | |
| Potassium | | ND | mg/L | 1.0 | | | | | | |
| Sodium | | ND | mg/L | 1.0 | | | | | | |
| Sample ID: LFB-110322A | 4 | Laboratory Fortified Blank | | | | | Run: ICP2-C_110322A | | | 03/22/11 11:47 |
| Calcium | | 47.5 | mg/L | 0.50 | 95 | 85 | 115 | | | |
| Magnesium | | 47.2 | mg/L | 0.50 | 94 | 85 | 115 | | | |
| Potassium | | 43.4 | mg/L | 0.50 | 87 | 85 | 115 | | | |
| Sodium | | 48.4 | mg/L | 0.50 | 97 | 85 | 115 | | | |
| Sample ID: C11030147-001DMS2 | 4 | Sample Matrix Spike | | | | | Run: ICP2-C_110322A | | | 03/22/11 15:16 |
| Calcium | | 395 | mg/L | 1.1 | 97 | 70 | 130 | | | |
| Magnesium | | 250 | mg/L | 1.0 | 98 | 70 | 130 | | | |
| Potassium | | 277 | mg/L | 1.0 | 83 | 70 | 130 | | | |
| Sodium | | 729 | mg/L | 1.4 | 106 | 70 | 130 | | | |
| Sample ID: C11030147-001DMSD | 4 | Sample Matrix Spike Duplicate | | | | | Run: ICP2-C_110322A | | | 03/22/11 15:20 |
| Calcium | | 400 | mg/L | 1.1 | 99 | 70 | 130 | 1.3 | 20 | |
| Magnesium | | 257 | mg/L | 1.0 | 101 | 70 | 130 | 2.7 | 20 | |
| Potassium | | 278 | mg/L | 1.0 | 84 | 70 | 130 | 0.4 | 20 | |
| Sodium | | 722 | mg/L | 1.4 | 103 | 70 | 130 | 0.9 | 20 | |

Qualifiers:

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QA/QC Summary Report

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Report Date: 04/18/11

Project: Marsland G-8 Samples

Work Order: C11030211

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------------------------------|-------------------------------|------------|---------|------|-----------|------------|-----|----------|--------------------------------------|
| Method: E200.8 | | | | | | | | | | Batch: 29258 |
| Sample ID: MB-29258 | Method Blank | | | | | | | | | |
| Uranium | | ND | mg/L | 0.00030 | | | | | | Run: ICPMS2-C_110316A 03/17/11 03:01 |
| Sample ID: LCS2-29258 | Laboratory Control Sample | | | | | | | | | |
| Uranium | | 0.0969 | mg/L | 0.00030 | 97 | 85 | 115 | | | Run: ICPMS2-C_110316A 03/17/11 03:05 |
| Sample ID: C11030365-008AMS | Sample Matrix Spike | | | | | | | | | |
| Uranium | | 0.0561 | pCi/Filter | 0.00030 | 112 | 70 | 130 | | | Run: ICPMS2-C_110316A 03/17/11 04:49 |
| Sample ID: C11030365-008AMSD | Sample Matrix Spike Duplicate | | | | | | | | | |
| Uranium | | 0.0546 | pCi/Filter | 0.00030 | 109 | 70 | 130 | 2.8 | 20 | Run: ICPMS2-C_110316A 03/17/11 04:53 |
| Method: E200.8 | | | | | | | | | | Batch: R143657A |
| Sample ID: LRB | 5 | Method Blank | | | | | | | | Run: ICPMS4-C_110315A 03/15/11 11:57 |
| Arsenic | | ND | mg/L | 0.0010 | | | | | | |
| Lead | | ND | mg/L | 0.0010 | | | | | | |
| Mercury | | ND | mg/L | 0.0010 | | | | | | |
| Selenium | | ND | mg/L | 0.0010 | | | | | | |
| Uranium | | ND | mg/L | 0.00030 | | | | | | |
| Sample ID: LFB | 5 | Laboratory Fortified Blank | | | | | | | | Run: ICPMS4-C_110315A 03/15/11 12:03 |
| Arsenic | | 0.0520 | mg/L | 0.0010 | 104 | 85 | 115 | | | |
| Lead | | 0.0528 | mg/L | 0.0010 | 106 | 85 | 115 | | | |
| Mercury | | 0.00529 | mg/L | 0.0010 | 106 | 85 | 115 | | | |
| Selenium | | 0.0545 | mg/L | 0.0010 | 109 | 85 | 115 | | | |
| Uranium | | 0.0526 | mg/L | 0.00030 | 105 | 85 | 115 | | | |
| Sample ID: C11030280-005CMS4 | 5 | Sample Matrix Spike | | | | | | | | Run: ICPMS4-C_110315A 03/16/11 18:29 |
| Arsenic | | 0.0549 | mg/L | 0.0010 | 110 | 70 | 130 | | | |
| Lead | | 0.0518 | mg/L | 0.050 | 104 | 70 | 130 | | | |
| Mercury | | 0.00597 | mg/L | 0.0010 | 118 | 70 | 130 | | | |
| Selenium | | 0.0548 | mg/L | 0.0010 | 106 | 70 | 130 | | | |
| Uranium | | 0.0689 | mg/L | 0.00030 | 102 | 70 | 130 | | | |
| Sample ID: C11030280-005CMSD | 5 | Sample Matrix Spike Duplicate | | | | | | | | Run: ICPMS4-C_110315A 03/16/11 18:36 |
| Arsenic | | 0.0562 | mg/L | 0.0010 | 112 | 70 | 130 | 2.4 | 20 | |
| Lead | | 0.0529 | mg/L | 0.050 | 106 | 70 | 130 | 2.1 | 20 | |
| Mercury | | 0.00590 | mg/L | 0.0010 | 117 | 70 | 130 | 1.1 | 20 | |
| Selenium | | 0.0554 | mg/L | 0.0010 | 108 | 70 | 130 | 1.2 | 20 | |
| Uranium | | 0.0696 | mg/L | 0.00030 | 103 | 70 | 130 | 1.1 | 20 | |

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QA/QC Summary Report

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Client: Crow Butte Resources

Report Date: 04/18/11

Project: Marsland G-8 Samples

Work Order: C11030211

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|-----|------|--------------------|------------|-----|----------|----------------|
| Method: E300.0 | | | | | | | | | | Batch: R143503 |
| Sample ID: LCS | 2 | Laboratory Control Sample | | | | Run: IC2-C_110309A | | | | 03/09/11 17:21 |
| Chloride | | 10.1 | mg/L | 1.0 | 101 | 90 | 110 | | | |
| Sulfate | | 40.7 | mg/L | 1.0 | 101 | 90 | 110 | | | |
| Sample ID: MBLK | 2 | Method Blank | | | | Run: IC2-C_110309A | | | | 03/09/11 17:36 |
| Chloride | | ND | mg/L | 1.0 | | | | | | |
| Sulfate | | ND | mg/L | 1.0 | | | | | | |
| Sample ID: LFB | 2 | Laboratory Fortified Blank | | | | Run: IC2-C_110309A | | | | 03/09/11 18:07 |
| Chloride | | 12.0 | mg/L | 1.0 | 96 | 90 | 110 | | | |
| Sulfate | | 49.0 | mg/L | 1.0 | 98 | 90 | 110 | | | |
| Sample ID: C11030211-003BMS | 2 | Sample Matrix Spike | | | | Run: IC2-C_110309A | | | | 03/10/11 13:08 |
| Chloride | | 17.3 | mg/L | 1.0 | 101 | 80 | 120 | | | |
| Sulfate | | 47.8 | mg/L | 1.0 | 99 | 80 | 120 | | | |
| Sample ID: C11030211-003BMDS | 2 | Sample Matrix Spike Duplicate | | | | Run: IC2-C_110309A | | | | 03/10/11 13:24 |
| Chloride | | 17.6 | mg/L | 1.0 | 104 | 80 | 120 | 1.5 | 10 | |
| Sulfate | | 48.9 | mg/L | 1.0 | 102 | 80 | 120 | 2.2 | 10 | |

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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 04/18/11

Project: Marsland G-8 Samples

Work Order: C11030211

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|------|------|------------------------|------------|----------------|----------|----------------|
| Method: E353.2 | | | | | | | | | | Batch: R143504 |
| Sample ID: MBLK-1 | | | | | | | | | | |
| | | Method Blank | | | | Run: TECHNICON_110310A | | 03/10/11 11:55 | | |
| Nitrogen, Nitrate+Nitrite as N | | ND | mg/L | 0.10 | | | | | | |
| Sample ID: LCS-2 | | | | | | | | | | |
| | | Laboratory Control Sample | | | | Run: TECHNICON_110310A | | 03/10/11 11:58 | | |
| Nitrogen, Nitrate+Nitrite as N | | 2.61 | mg/L | 0.10 | 105 | 90 | 110 | | | |
| Sample ID: C11030209-001FMS | | | | | | | | | | |
| | | Sample Matrix Spike | | | | Run: TECHNICON_110310A | | 03/10/11 14:08 | | |
| Nitrogen, Nitrate+Nitrite as N | | 2.55 | mg/L | 0.10 | 108 | 90 | 110 | | | |
| Sample ID: C11030209-001FMSD | | | | | | | | | | |
| | | Sample Matrix Spike Duplicate | | | | Run: TECHNICON_110310A | | 03/10/11 14:10 | | |
| Nitrogen, Nitrate+Nitrite as N | | 2.56 | mg/L | 0.10 | 109 | 90 | 110 | 0.4 | 10 | |

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Report Date: 04/18/11

Project: Marsland G-8 Samples

Work Order: C11030211

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|------------|------|------|-------------------------|------------|-----|----------|-------------------|
| Method: E903.0 | | | | | | | | | | Batch: 29258 |
| Sample ID: C11030211-001HMS | | Sample Matrix Spike | | | | Run: G542M_110315A | | | | 03/21/11 15:15 |
| Radium 226 | | 11 | pCi/L | | 107 | 70 | 130 | | | |
| Sample ID: C11030211-001HMSD | | Sample Matrix Spike Duplicate | | | | Run: G542M_110315A | | | | 03/21/11 15:15 |
| Radium 226 | | 10 | pCi/L | | 97 | 70 | 130 | 6.0 | 24.7 | |
| Sample ID: LCS-29258 | | Laboratory Control Sample | | | | Run: G542M_110315A | | | | 03/21/11 16:54 |
| Radium 226 | | 11.4 | pCi/Filter | | 95 | 70 | 130 | | | |
| Sample ID: MB-29258 | 3 | Method Blank | | | | Run: G542M_110315A | | | | 03/21/11 16:54 |
| Radium 226 | | ND | pCi/Filter | 0.10 | | | | | | U |
| Radium 226 precision (±) | | 0.169 | pCi/Filter | | | | | | | |
| Radium 226 MDC | | 0.320 | pCi/Filter | | | | | | | |
| Method: E903.0 | | | | | | | | | | Batch: RA226-5235 |
| Sample ID: C11030211-003DMS | | Sample Matrix Spike | | | | Run: TENNELEC-3_110315B | | | | 03/21/11 17:17 |
| Radium 226 | | 14 | pCi/L | | 109 | 70 | 130 | | | |
| Sample ID: C11030211-003DMSD | | Sample Matrix Spike Duplicate | | | | Run: TENNELEC-3_110315B | | | | 03/21/11 17:17 |
| Radium 226 | | 14 | pCi/L | | 111 | 70 | 130 | 1.7 | 25.1 | |
| Sample ID: LCS-RA226-5235 | | Laboratory Control Sample | | | | Run: TENNELEC-3_110315B | | | | 03/21/11 20:55 |
| Radium 226 | | 6.2 | pCi/L | | 95 | 85 | 115 | | | |
| Sample ID: MB-RA226-5235 | 3 | Method Blank | | | | Run: TENNELEC-3_110315B | | | | 03/21/11 20:55 |
| Radium 226 | | 0.17 | pCi/L | 0.10 | | | | | | |
| Radium 226 precision (±) | | 0.11 | pCi/L | | | | | | | |
| Radium 226 MDC | | 0.13 | pCi/L | | | | | | | |

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QA/QC Summary Report

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Report Date: 04/18/11

Project: Marsland G-8 Samples

Work Order: C11030211

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|--------------------------------------|-------------------------------|--------------|------------|-------|------|------------------------|------------|-----|----------|-----------------------|
| Method: E908.0 | | | | | | | | | | Batch: 29258 |
| Sample ID: C11030346-002HMS | Sample Matrix Spike | | | | | Run: EGG-ORTEC_110315A | | | | 03/17/11 16:50 |
| Thorium 230 | | 4.4 | pCi/L | | 103 | 70 | 130 | | | |
| Sample ID: C11030346-002HMSD | Sample Matrix Spike Duplicate | | | | | Run: EGG-ORTEC_110315A | | | | 03/17/11 16:50 |
| Thorium 230 | | 4.5 | pCi/L | | 103 | 70 | 130 | 2.8 | | 35.4 |
| Sample ID: LCS-29258 | Laboratory Control Sample | | | | | Run: EGG-ORTEC_110315A | | | | 03/18/11 09:32 |
| Thorium 230 | | 5.26 | pCi/Filter | | 114 | 70 | 130 | | | |
| Sample ID: MB-29258 | 3 | Method Blank | | | | Run: EGG-ORTEC_110315A | | | | 03/18/11 09:32 |
| Thorium 230 | | ND | pCi/Filter | 0.050 | | | | | | U |
| Thorium 230 precision (\pm) | | 0.0973 | pCi/Filter | | | | | | | |
| Thorium 230 MDC | | 0.190 | pCi/Filter | | | | | | | |
| Method: E908.0 | | | | | | | | | | Batch: RA-TH-ISO-1346 |
| Sample ID: LCS-RA-TH-ISO-1346 | Laboratory Control Sample | | | | | Run: EGG-ORTEC_110317A | | | | 03/22/11 09:00 |
| Thorium 230 | | 5.4 | pCi/L | | 93 | 70 | 130 | | | |
| Sample ID: C11030160-001DMS | Sample Matrix Spike | | | | | Run: EGG-ORTEC_110317A | | | | 03/22/11 09:00 |
| Thorium 230 | | 11 | pCi/L | | 87 | 70 | 130 | | | |
| Sample ID: C11030160-001DMSD | Sample Matrix Spike Duplicate | | | | | Run: EGG-ORTEC_110317A | | | | 03/22/11 09:00 |
| Thorium 230 | | 12 | pCi/L | | 95 | 70 | 130 | 9.3 | | 36.7 |
| Sample ID: MB-RA-TH-ISO-1346 | 3 | Method Blank | | | | Run: EGG-ORTEC_110317A | | | | 03/22/11 16:58 |
| Thorium 230 | | 0.15 | pCi/L | 0.050 | | | | | | |
| Thorium 230 precision (\pm) | | 0.11 | pCi/L | | | | | | | |
| Thorium 230 MDC | | 0.13 | pCi/L | | | | | | | |

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Report Date: 04/18/11

Project: Marsland G-8 Samples

Work Order: C11030211

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|--------------------------------------|--------------|-------|------|------|-----------------|------------|----------------------|----------|------|
| Method: E909.0 | | | | | | | | Batch: T_PB-210-0084 | | |
| Sample ID: LCS-PB-210-0084 | Laboratory Control Sample | | | | | Run: SUB-T39702 | | 03/24/11 20:59 | | |
| Lead 210 | | 50 | pCi/L | | 94 | 70 | 130 | | | |
| Sample ID: MB-PB-210-0084 | 3 | Method Blank | | | | Run: SUB-T39702 | | 03/24/11 18:47 | | |
| Lead 210 | | ND | pCi/L | 0.70 | | | | | | U |
| Lead 210 precision (±) | | 0.86 | pCi/L | | | | | | | |
| Lead 210 MDC | | 1.5 | pCi/L | | | | | | | |
| Sample ID: TAP WATERMS | Laboratory Fortified Blank | | | | | Run: SUB-T39702 | | 03/25/11 01:22 | | |
| Lead 210 | | 52 | pCi/L | | 99 | 70 | 130 | | | |
| Sample ID: TAP WATERMSD | Laboratory Fortified Blank Duplicate | | | | | Run: SUB-T39702 | | 03/25/11 03:33 | | |
| Lead 210 | | 47 | pCi/L | | 88 | 70 | 130 | 11 | 30 | |
| Method: E909.0 | | | | | | | | Batch: T_13525 | | |
| Sample ID: T11030059-001HMSD | Sample Matrix Spike Duplicate | | | | | Run: SUB-T39754 | | 03/28/11 02:58 | | |
| Lead 210 | | 86 | pCi/L | | 87 | 70 | 130 | 17 | 17.2 | |
| Sample ID: MB-13525_29258 | 3 | Method Blank | | | | Run: SUB-T39754 | | 03/27/11 18:12 | | |
| Lead 210 | | 5.1 | pCi/L | 0.70 | | | | | | U |
| Lead 210 precision (±) | | 8.2 | pCi/L | | | | | | | |
| Lead 210 MDC | | 14 | pCi/L | | | | | | | |
| Sample ID: LCS-13525_29258 | Laboratory Control Sample | | | | | Run: SUB-T39754 | | 03/27/11 20:24 | | |
| Lead 210 | | 350 | pCi/L | | 98 | 70 | 130 | | | |
| Sample ID: T11030059-001HMS | Sample Matrix Spike | | | | | Run: SUB-T39754 | | 03/28/11 00:47 | | |
| Lead 210 | | 100 | pCi/L | | 103 | 70 | 130 | | | |

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Project: Marsland G-8 Samples

Work Order: C11030211

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|-------------------------------------|-------------------------------|--------|-------|------|------|------------------------|------------|-----|----------|-------------------|
| Method: E912.0 | | | | | | | | | | Batch: PO210-0349 |
| Sample ID: C11030211-004FMS | Sample Matrix Spike | | | | | Run: EGG-ORTEC_110314A | | | | 03/16/11 13:28 |
| Polonium 210 | 10 | pCi/L | | 78 | | 70 | 130 | | | |
| Sample ID: C11030211-004FMSD | Sample Matrix Spike Duplicate | | | | | Run: EGG-ORTEC_110314A | | | | 03/16/11 13:28 |
| Polonium 210 | 15 | pCi/L | | 121 | | 70 | 130 | 42 | 71 | |
| Sample ID: MB-PO210-0349 | 3 Method Blank | | | | | Run: EGG-ORTEC_110314A | | | | 03/16/11 13:28 |
| Polonium 210 | | ND | pCi/L | 0.20 | | | | | | U |
| Polonium 210 precision (\pm) | | 0.25 | pCi/L | | | | | | | |
| Polonium 210 MDC | | 0.67 | pCi/L | | | | | | | |
| Sample ID: LCS-PO210-0349 | Laboratory Control Sample | | | | | Run: EGG-ORTEC_110314A | | | | 03/16/11 13:28 |
| Polonium 210 | 7.0 | pCi/L | | 110 | | 70 | 130 | | | |
| Method: E912.0 | | | | | | | | | | Batch: 29258 |
| Sample ID: C11030211-004HMS | Sample Matrix Spike | | | | | Run: EGG-ORTEC_110316A | | | | 03/17/11 13:08 |
| Polonium 210 | 6.2 | pCi/L | | 111 | | 70 | 130 | | | |
| Sample ID: C11030211-004HMSD | Sample Matrix Spike Duplicate | | | | | Run: EGG-ORTEC_110316A | | | | 03/17/11 13:08 |
| Polonium 210 | 6.4 | pCi/L | | 115 | | 70 | 130 | 2.9 | 70.6 | |
| Sample ID: LCS-29258 | Laboratory Control Sample | | | | | Run: EGG-ORTEC_110316A | | | | 03/18/11 09:31 |
| Polonium 210 | 23 | pCi/L | | 77 | | 70 | 130 | | | |
| Sample ID: MB-29258 | 3 Method Blank | | | | | Run: EGG-ORTEC_110316A | | | | 03/18/11 09:31 |
| Polonium 210 | | ND | pCi/L | 0.20 | | | | | | U |
| Polonium 210 precision (\pm) | | 1.1 | pCi/L | | | | | | | |
| Polonium 210 MDC | | 3.0 | pCi/L | | | | | | | |

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Workorder Receipt Checklist



C11030211

Login completed by: Corinne Wagner

Date Received: 3/8/2011

Reviewed by: BL2000\hackerman

Received by: ha

Reviewed Date: 3/8/2011

 Carrier Ground
 name:

| | | | |
|---|---|-----------------------------|--|
| Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Container/Temp Blank temperature: | 3.6°C On Ice | | |
| Water - VOA vials have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | No VOA vials submitted <input checked="" type="checkbox"/> |
| Water - pH acceptable upon receipt? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Applicable <input type="checkbox"/> |

 Contact and Corrective Action Comments:

None



Chain of Custody and Analytical Request Record

Page 1 of 1

PLEASE PRINT- Provide as much information as possible.

| | | | | | | | | | | | | | | | | | |
|--|--|---|--|---|--------|-----------------------------|--------------------|---|---|-------------------------------|---------------------------|---|-----------------------|--|--|--------------------------|--|
| Company Name: Crow Butte Resources, Inc. | | | Project Name Marsland G-8 Samples | | | Sample Origin State: | | | EPA/State Compliance: Yes <input type="checkbox"/> No <input type="checkbox"/> | | | | | | | | |
| Report Mail Address: P.O. Box 169 Crawford, NE 69339 | | | Contact Name: Larry Teahon | | | Phone/Fax: 308-665-2341 | | | Email: daxmynus@msn.com | | | Sampler: (Please Print) Brooke Bass Rhonda Pelton | | | | | |
| Invoice Address: P.O. Box 169 Crawford, NE 69339 | | | Invoice Contact & Phone: Larry Teahon 308-665-2215 ext 114 | | | | | | Purchase Order: 1125 | | | Quote/Bottle Order: | | | | | |
| Special Report/Formats – ELI must be notified prior to sample submittal for the following: <input type="checkbox"/> DW <input type="checkbox"/> A2LA <input type="checkbox"/> GSA <input type="checkbox"/> EDD/EDT (Electronic Data) <input type="checkbox"/> POTW/WWTP <input type="checkbox"/> Format: _____ <input type="checkbox"/> State: _____ <input type="checkbox"/> LEVEL IV <input type="checkbox"/> Other: _____ <input type="checkbox"/> NELAC | | | | ANALYSIS REQUESTED Number of Containers Sample Type: A W S V B O Air Water Soils/Solids Vegetation Bioassay Other | | | | SEE ATTACHED Normal Turnaround (TAT) | | | | R U S H Contact ELI prior to RUSH sample submittal for charges and scheduling – See Instruction Page Comments: NDEQ parameters for baseline sampling. Report on separate sheets. Analyze as per WDEQ Guideline 8 and NRC Reg. Guide 4.14 requirements. Record U as mg/L and µCi/ml and radiometrics as pCi/L. | | | | Shipped by: C/DH | |
| | | | | | | | | | | | | | | | | Cooler ID(s): C/11/11 | |
| | | | | | | | | | | | | Receipt Temp 34 °C | | | | | |
| | | | | | | | | | | | | On Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | | | | |
| | | | | | | | | | | | | Custody Seal Y <input checked="" type="checkbox"/> Intact Y <input checked="" type="checkbox"/> Signature Y <input checked="" type="checkbox"/> Match Y <input checked="" type="checkbox"/> | | | | | |
| SAMPLE IDENTIFICATION (Name, Location, Interval, etc.) | | | Collection Date | Collection Time | MATRIX | HNO3-F, Metals | RAW-F, Common Ions | RAW-UF, Alkalinity | H2SO4-F, NO2, NO3, NH4 | Raw-UF, Ra226, Po210 dis, sus | Raw-UF, Pb210 dis and sus | Raw-UF, Th230, U-nat dis and sus | | | | | |
| 1 BOW2010-2 | | | 3/4/11 | | Water | .5 | 1 | 1 | .5 | 1 | 1 | 1 | Please report 4/15/11 | | | | |
| 2 BOW2010-3 | | | 3/4/11 | | Water | .5 | 1 | 1 | .5 | 1 | 1 | 1 | Please report 4/15/11 | | | | |
| 3 BOW2010-5 | | | 3/4/11 | | Water | .5 | 1 | 1 | .5 | 1 | 1 | 1 | Please report 4/15/11 | | | | |
| 4 BOW2010-6 | | | 3/4/11 | | Water | .5 | 1 | 1 | .5 | 1 | 1 | 1 | Please report 4/15/11 | | | | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| Custody Record MUST be Signed | | Relinquished by (print): Rhonda Pelton | | Date/Time: 3-8-11 11:41 | | Signature: Rhonda Pelton | | Received by (print): UPS | | Date/Time: 3/8/11 9:24 | | Signature: H. Acemea | | | | | |
| | | Relinquished by (print): | | Date/Time: | | Signature: | | Received by (print): | | Date/Time: | | Signature: | | | | | |
| | | Sample Disposal: Return to Client: No Lab Disposal: YES | | | | | | Received by Laboratory: 3/8/11 9:24 H. Acemea | | | | | | | | | |

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested.

This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report.

Visit our web site at www.energylab.com for additional information, downloadable fee schedule forms, and links

CROW BUTTE RESOURCES, INC.
CROW BUTTE PROJECT

No₂

DATE: 3/4/10

ANALYST: ht

STANDARD CURVE DATA

| | | | | | | | |
|-----|----|--|------|------|------|--|--|
| | BL | | .01 | .05 | .1 | | |
| Abs | | | .033 | .176 | .339 | | |
| Abs | | | | | | | |

| SAMPLE # | | VOLUME | Df | Abs | |
|----------|--------------|--------|----|------|-------|
| 1 | Marblehead 2 | 10 ml | 1 | .019 | <0.01 |
| 2 | 3 | 10 ml | 1 | .083 | 0.02 |
| 3 | 5 | 10 ml | 1 | .010 | <0.01 |
| 4 | 6 | 10 ml | 1 | .008 | <0.01 |
| 5 | | | | | |
| Dup | | | | | |
| 6 | Dup 3 | 10 ml | 1 | .082 | 0.02 |
| 7 | Dup 6 | 10 ml | 1 | .008 | <0.01 |
| 8 | | | | | |
| 9 | | | | | |
| 10 | | | | | |
| Dup | | | | | |
| 11 | | | | | |
| 12 | | | | | |
| 13 | | | | | |
| 14 | | | | | |
| 15 | | | | | |
| Dup | | | | | |
| 16 | | | | | |
| 17 | | | | | |
| 18 | | | | | |
| 19 | | | | | |
| 20 | | | | | |
| Dup | | | | | |
| 21 | | | | | |
| 22 | | | | | |
| 23 | | | | | |
| 24 | | | | | |
| 25 | | | | | |
| Dup | | | | | |



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ANALYTICAL SUMMARY REPORT

April 19, 2011

Crow Butte Resources
86 Crow Butte Rd
Crawford, NE 69339

Workorder No.: C11030346 Quote ID: C1125 - Crow Butte Uranium

Project Name: Marsland Baseline Samples

Energy Laboratories, Inc. Casper WY received the following 2 samples for Crow Butte Resources on 3/11/2011 for analysis.

| Sample ID | Client Sample ID | Collect Date | Receive Date | Matrix | Test |
|---------------|------------------|---------------|--------------|---------|--|
| C11030346-001 | BOW 2010-1 | 03/09/11 0:00 | 03/11/11 | Aqueous | Metals by ICP/ICPMS, Dissolved Alkalinity QA Calculations Conductivity Sample Filtering Fluoride E300.0 Anions Uranium, Suspended Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Digestion, Total Metals Lead 210, Dissolved Lead 210, Suspended Polonium 210, Dissolved Polonium 210, Suspended Radium 226, Dissolved Radium 226, Suspended Thorium, Isotopic Thorium, Suspended Isotopic Solids, Total Dissolved |
| C11030346-002 | CPW-2010-1/M | 03/09/11 0:00 | 03/11/11 | Aqueous | Same As Above |

This report was prepared by Energy Laboratories, Inc., 2393 Salt Creek Hwy., Casper, WY 82601. Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

The results as reported relate only to the item(s) submitted for testing.

If you have any questions regarding these test results, please call.

Report Approved By:



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CLIENT: Crow Butte Resources
Project: Marsland Baseline Samples
Sample Delivery Group: C11030346

Report Date: 04/19/11

CASE NARRATIVE

BRANCH LABORATORY SUBCONTRACT ANALYSIS

Tests associated with analyst identified as ELI-CS were subcontracted to Energy Laboratories, 415 Graham Rd., College Station, TX, EPA Number TX01520.

RADIOCHEMISTRY ANALYSIS

Per client request, results less than MDC (or precision if no MDC), are reported as <MDC (or <precision). Actual instrument results are available by request.

ORIGINAL SAMPLE SUBMITTAL(S)

All original sample submittals have been returned with the data package.

SAMPLE TEMPERATURE COMPLIANCE: 4°C (±2°C)

Temperature of samples received may not be considered properly preserved by accepted standards. Samples that are hand delivered immediately after collection shall be considered acceptable if there is evidence that the chilling process has begun.

GROSS ALPHA ANALYSIS

Method 900.0 for gross alpha and gross beta is intended as a drinking water method for low TDS waters. Data provided by this method for non potable waters should be viewed as inconsistent.

SOIL/SOLID SAMPLES

All samples reported on an as received basis unless otherwise indicated.

SUBCONTRACTING ANALYSIS

Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.

BRANCH LABORATORY LOCATIONS

eli-b - Energy Laboratories, Inc. - Billings, MT
eli-g - Energy Laboratories, Inc. - Gillette, WY
eli-h - Energy Laboratories, Inc. - Helena, MT
eli-r - Energy Laboratories, Inc. - Rapid City, SD
eli-t - Energy Laboratories, Inc. - College Station, TX

CERTIFICATIONS:

USEPA: WY00002; FL-DOH NELAC: E87641; California: 02118CA
Oregon: WY200001; Utah: 3072350515; Virginia: 00057; Washington: C1903

ISO 17025 DISCLAIMER:

The results of this Analytical Report relate only to the items submitted for analysis.

ENERGY LABORATORIES, INC. - CASPER, WY certifies that certain method selections contained in this report meet requirements as set forth by the above accrediting authorities. Some results requested by the client may not be covered under these certifications. All analysis data to be submitted for regulatory enforcement should be certified in the sample state of origin. Please verify ELI's certification coverage by visiting www.energylab.com

ELI appreciates the opportunity to provide you with this analytical service. For additional information and services visit our web page www.energylab.com.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11030346-001
Client Sample ID: BOW 2010-1

Report Date: 04/19/11
Collection Date: 03/09/11
Date Received: 03/11/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 211 | mg/L | | 1 | | A2320 B | 03/11/11 17:03 / jba |
| Carbonate as CO ₃ | 58 | mg/L | | 1 | | A2320 B | 03/11/11 17:03 / jba |
| Bicarbonate as HCO ₃ | 139 | mg/L | | 1 | | A2320 B | 03/11/11 17:03 / jba |
| Calcium | 5 | mg/L | | 1 | | E200.7 | 03/15/11 15:33 / rdw |
| Chloride | 44 | mg/L | | 1 | | E300.0 | 03/15/11 18:26 / ljl |
| Fluoride | 0.6 | mg/L | | 0.1 | | A4500-F C | 03/11/11 13:45 / jba |
| Magnesium | ND | mg/L | | 1 | | E200.7 | 03/15/11 15:33 / rdw |
| Nitrogen, Ammonia as N | ND | mg/L | | 0.05 | | A4500-NH ₃ G | 03/17/11 15:31 / dc |
| Nitrogen, Nitrate+Nitrite as N | 1.3 | mg/L | | 0.1 | | E353.2 | 03/23/11 17:51 / dc |
| Potassium | 12 | mg/L | | 1 | | E200.7 | 03/15/11 15:33 / rdw |
| Silica | 105 | mg/L | | 0.2 | | E200.7 | 03/15/11 15:33 / rdw |
| Sodium | 144 | mg/L | | 1 | | E200.7 | 03/15/11 15:33 / rdw |
| Sulfate | 60 | mg/L | D | 2 | | E300.0 | 03/15/11 18:26 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 682 | umhos/cm | | 1 | | A2510 B | 03/14/11 08:31 / lmc |
| pH | 9.56 | s.u. | | 0.01 | | A4500-H B | 03/14/11 08:31 / lmc |
| Solids, Total Dissolved TDS @ 180 C | 456 | mg/L | | 10 | | A2540 C | 03/11/11 15:52 / lr |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.7 | 03/15/11 15:33 / rdw |
| Arsenic | 0.018 | mg/L | | 0.001 | | E200.8 | 03/23/11 18:06 / sml |
| Barium | ND | mg/L | | 0.1 | | E200.7 | 03/15/11 15:33 / rdw |
| Boron | 0.1 | mg/L | | 0.1 | | E200.7 | 03/15/11 15:33 / rdw |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 03/23/11 18:06 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.7 | 03/15/11 15:33 / rdw |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 03/26/11 15:24 / sml |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 03/15/11 15:33 / rdw |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 03/23/11 18:06 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.7 | 03/15/11 15:33 / rdw |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 03/23/11 18:06 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.7 | 03/15/11 15:33 / rdw |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 03/26/11 15:24 / sml |
| Selenium | 0.021 | mg/L | | 0.001 | | E200.8 | 03/23/11 18:06 / sml |
| Uranium | 0.0032 | mg/L | | 0.0003 | | E200.8 | 03/23/11 18:06 / sml |
| Uranium, Activity | 2.2E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 03/23/11 18:06 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 03/26/11 15:24 / sml |
| Zinc | 0.04 | mg/L | | 0.01 | | E200.7 | 03/15/11 15:33 / rdw |
| METALS - SUSPENDED | | | | | | | |
| Uranium | 0.0004 | mg/L | | 0.0003 | | E200.8 | 03/17/11 03:47 / sml |
| Uranium, Activity | 2.9E-10 | uCi/mL | | 2.0E-10 | | E200.8 | 03/17/11 03:47 / sml |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11030346-001
Client Sample ID: BOW 2010-1

Report Date: 04/19/11
Collection Date: 03/09/11
Date Received: 03/11/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|------|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 03/25/11 14:30 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 03/25/11 14:30 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 03/25/11 14:30 / eli-cs |
| Polonium 210 | <0.7 | pCi/L | U | 0.7 | | E912.0 | 03/17/11 13:06 / ep |
| Polonium 210 precision (±) | 0.4 | pCi/L | | | | E912.0 | 03/17/11 13:06 / ep |
| Polonium 210 MDC | 0.7 | pCi/L | | | | E912.0 | 03/17/11 13:06 / ep |
| Radium 226 | <0.15 | pCi/L | U | 0.15 | | E903.0 | 03/21/11 17:17 / trs |
| Radium 226 precision (±) | 0.10 | pCi/L | | | | E903.0 | 03/21/11 17:17 / trs |
| Radium 226 MDC | 0.15 | pCi/L | | | | E903.0 | 03/21/11 17:17 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 03/23/11 11:28 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 03/23/11 11:28 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 03/23/11 11:28 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <1.2 | pCi/L | U | 1.2 | | E909.0 | 03/28/11 11:44 / eli-cs |
| Lead 210 precision (±) | 0.7 | pCi/L | | | | E909.0 | 03/28/11 11:44 / eli-cs |
| Lead 210 MDC | 1.2 | pCi/L | | | | E909.0 | 03/28/11 11:44 / eli-cs |
| Polonium 210 | <0.3 | pCi/L | U | 0.3 | | E912.0 | 04/14/11 08:58 / ep |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 04/14/11 08:58 / ep |
| Polonium 210 MDC | 0.3 | pCi/L | | | | E912.0 | 04/14/11 08:58 / ep |
| Radium 226 | 0.14 | pCi/L | | 0.13 | | E903.0 | 03/21/11 16:54 / dmf |
| Radium 226 precision (±) | 0.1 | pCi/L | | | | E903.0 | 03/21/11 16:54 / dmf |
| Radium 226 MDC | 0.13 | pCi/L | | | | E903.0 | 03/21/11 16:54 / dmf |
| Thorium 230 | <0.05 | pCi/L | U | 0.05 | | E908.0 | 03/17/11 16:50 / dmf |
| Thorium 230 precision (±) | 0.05 | pCi/L | | | | E908.0 | 03/17/11 16:50 / dmf |
| Thorium 230 MDC | 0.05 | pCi/L | | | | E908.0 | 03/17/11 16:50 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 0.0283 | % | | | | Calculation | 04/07/11 09:55 / kbh |
| Anions | 6.83 | meq/L | | | | Calculation | 04/07/11 09:55 / kbh |
| Cations | 6.83 | meq/L | | | | Calculation | 04/07/11 09:55 / kbh |
| Solids, Total Dissolved Calculated | 532 | mg/L | | | | Calculation | 04/07/11 09:55 / kbh |
| TDS Balance (0.80 - 1.20) | 0.860 | | | | | Calculation | 04/07/11 09:55 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11030346-002
Client Sample ID: CPW-2010-1/M

Report Date: 04/19/11
Collection Date: 03/09/11
Date Received: 03/11/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 370 | mg/L | | 1 | | A2320 B | 03/11/11 17:11 / jba |
| Carbonate as CO ₃ | 14 | mg/L | | 1 | | A2320 B | 03/11/11 17:11 / jba |
| Bicarbonate as HCO ₃ | 422 | mg/L | | 1 | | A2320 B | 03/11/11 17:11 / jba |
| Calcium | 6 | mg/L | | 1 | | E200.7 | 03/15/11 15:57 / rdw |
| Chloride | 178 | mg/L | | 1 | | E300.0 | 03/15/11 18:42 / ljl |
| Fluoride | 0.8 | mg/L | | 0.1 | | A4500-F C | 03/11/11 13:47 / jba |
| Magnesium | 1 | mg/L | | 1 | | E200.7 | 03/15/11 15:57 / rdw |
| Nitrogen, Ammonia as N | 0.24 | mg/L | | 0.05 | | A4500-NH ₃ G | 03/17/11 15:33 / dc |
| Nitrogen, Nitrate+Nitrite as N | ND | mg/L | | 0.1 | | E353.2 | 03/23/11 17:54 / dc |
| Potassium | 11 | mg/L | | 1 | | E200.7 | 03/15/11 15:57 / rdw |
| Silica | 17.0 | mg/L | | 0.2 | | E200.7 | 03/15/11 15:57 / rdw |
| Sodium | 324 | mg/L | | 1 | | E200.7 | 03/15/11 15:57 / rdw |
| Sulfate | 94 | mg/L | D | 4 | | E300.0 | 03/15/11 18:42 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 1430 | umhos/cm | | 1 | | A2510 B | 03/14/11 08:33 / lmc |
| pH | 8.34 | s.u. | | 0.01 | | A4500-H B | 03/14/11 08:33 / lmc |
| Solids, Total Dissolved TDS @ 180 C | 833 | mg/L | | 10 | | A2540 C | 03/11/11 15:52 / lr |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.7 | 03/15/11 15:57 / rdw |
| Arsenic | 0.002 | mg/L | | 0.001 | | E200.8 | 03/23/11 18:13 / sml |
| Barium | ND | mg/L | | 0.1 | | E200.7 | 03/15/11 15:57 / rdw |
| Boron | 1.4 | mg/L | | 0.1 | | E200.7 | 03/15/11 15:57 / rdw |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 03/23/11 18:13 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 03/26/11 15:31 / sml |
| Copper | ND | mg/L | | 0.01 | | E200.7 | 03/15/11 15:57 / rdw |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 03/15/11 15:57 / rdw |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 03/23/11 18:13 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.7 | 03/15/11 15:57 / rdw |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 03/23/11 18:13 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.7 | 03/15/11 15:57 / rdw |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 03/26/11 15:31 / sml |
| Selenium | 0.003 | mg/L | | 0.001 | | E200.8 | 03/23/11 18:13 / sml |
| Uranium | 0.0115 | mg/L | | 0.0003 | | E200.8 | 03/23/11 18:13 / sml |
| Uranium, Activity | 7.8E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 03/23/11 18:13 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 03/26/11 15:31 / sml |
| Zinc | 0.03 | mg/L | | 0.01 | | E200.7 | 03/15/11 15:57 / rdw |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 03/17/11 03:51 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 03/17/11 03:51 / sml |

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

D - RL increased due to sample matrix.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11030346-002
Client Sample ID: CPW-2010-1/M

Report Date: 04/19/11
Collection Date: 03/09/11
Date Received: 03/11/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|------|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | 13.5 | pCi/L | | 0.7 | | E909.0 | 03/25/11 16:41 / eli-cs |
| Lead 210 precision (±) | 0.6 | pCi/L | | | | E909.0 | 03/25/11 16:41 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 03/25/11 16:41 / eli-cs |
| Polonium 210 | 0.5 | pCi/L | | 0.5 | | E912.0 | 03/17/11 13:06 / ep |
| Polonium 210 precision (±) | 0.5 | pCi/L | | | | E912.0 | 03/17/11 13:06 / ep |
| Polonium 210 MDC | 0.5 | pCi/L | | | | E912.0 | 03/17/11 13:06 / ep |
| Radium 226 | 38 | pCi/L | | 0.13 | | E903.0 | 03/21/11 17:17 / trs |
| Radium 226 precision (±) | 1.2 | pCi/L | | | | E903.0 | 03/21/11 17:17 / trs |
| Radium 226 MDC | 0.13 | pCi/L | | | | E903.0 | 03/21/11 17:17 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 03/23/11 11:28 / dmf |
| Thorium 230 precision (±) | 0.08 | pCi/L | | | | E908.0 | 03/23/11 11:28 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 03/23/11 11:28 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | 9.4 | pCi/L | | 1.2 | | E909.0 | 03/28/11 13:56 / eli-cs |
| Lead 210 precision (±) | 0.9 | pCi/L | | | | E909.0 | 03/28/11 13:56 / eli-cs |
| Lead 210 MDC | 1.2 | pCi/L | | | | E909.0 | 03/28/11 13:56 / eli-cs |
| Polonium 210 | 1.9 | pCi/L | | 0.3 | | E912.0 | 04/14/11 08:57 / ep |
| Polonium 210 precision (±) | 0.7 | pCi/L | | | | E912.0 | 04/14/11 08:57 / ep |
| Polonium 210 MDC | 0.3 | pCi/L | | | | E912.0 | 04/14/11 08:57 / ep |
| Radium 226 | 0.18 | pCi/L | | 0.13 | | E903.0 | 03/21/11 16:54 / dmf |
| Radium 226 precision (±) | 0.10 | pCi/L | | | | E903.0 | 03/21/11 16:54 / dmf |
| Radium 226 MDC | 0.13 | pCi/L | | | | E903.0 | 03/21/11 16:54 / dmf |
| Thorium 230 | <0.05 | pCi/L | U | 0.05 | | E908.0 | 03/17/11 16:50 / dmf |
| Thorium 230 precision (±) | 0.04 | pCi/L | | | | E908.0 | 03/17/11 16:50 / dmf |
| Thorium 230 MDC | 0.05 | pCi/L | | | | E908.0 | 03/17/11 16:50 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 1.35 | % | | | | Calculation | 04/07/11 09:55 / kbh |
| Anions | 14.4 | meq/L | | | | Calculation | 04/07/11 09:55 / kbh |
| Cations | 14.8 | meq/L | | | | Calculation | 04/07/11 09:55 / kbh |
| Solids, Total Dissolved Calculated | 858 | mg/L | | | | Calculation | 04/07/11 09:55 / kbh |
| TDS Balance (0.80 - 1.20) | 0.970 | | | | | Calculation | 04/07/11 09:55 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 04/19/11

Project: Marsland Baseline Samples

Work Order: C11030346

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|--|-------|---------------------------|-------|-----|------|-----------|----------------------|-----|----------|----------------|
| Method: A2320 B | | | | | | | | | | Batch: R143546 |
| Sample ID: MBLK | 3 | Method Blank | | | | | Run: MANTECH_110311B | | | 03/11/11 14:32 |
| Alkalinity, Total as CaCO ₃ | | 1 | mg/L | 1 | | | | | | |
| Carbonate as CO ₃ | | ND | mg/L | 1 | | | | | | |
| Bicarbonate as HCO ₃ | | 2 | mg/L | 1 | | | | | | |
| Sample ID: LCS | | Laboratory Control Sample | | | | | Run: MANTECH_110311B | | | 03/11/11 14:47 |
| Alkalinity, Total as CaCO ₃ | | 211 | mg/L | 5.0 | 105 | 90 | 110 | | | |
| Sample ID: C11030345-011ADUP | 3 | Sample Duplicate | | | | | Run: MANTECH_110311B | | | 03/11/11 16:46 |
| Alkalinity, Total as CaCO ₃ | | 197 | mg/L | 5.0 | | | | 2.5 | 10 | |
| Carbonate as CO ₃ | | ND | mg/L | 5.0 | | | | | 10 | |
| Bicarbonate as HCO ₃ | | 241 | mg/L | 5.0 | | | | 2.5 | 10 | |
| Sample ID: C11030345-011AMS | | Sample Matrix Spike | | | | | Run: MANTECH_110311B | | | 03/11/11 16:54 |
| Alkalinity, Total as CaCO ₃ | | 331 | mg/L | 5.0 | 103 | 80 | 120 | | | |

Qualifiers:

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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples

Report Date: 04/19/11
Work Order: C11030346

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|---|----------|-----|------|-----------|-------------------------------------|-----|----------|----------------|
| Method: A2510 B | | | | | | | Analytical Run: ORION555A-2_110314A | | | |
| Sample ID: ICV2_110314_1 | | Initial Calibration Verification Standard | | | | | | | | 03/14/11 08:29 |
| Conductivity @ 25 C | | 1390 | umhos/cm | 1.0 | 98 | 90 | 110 | | | |
| Method: A2510 B | | | | | | | Batch: 110314_1_PH-W_555A-2 | | | |
| Sample ID: MBLK1_110314_1 | | Method Blank | | | | | | | | 03/14/11 08:25 |
| Conductivity @ 25 C | | 0.6 | umhos/cm | 0.2 | | | | | | |
| Sample ID: C11030366-001ADUP | | Sample Duplicate | | | | | | | | 03/14/11 08:50 |
| Conductivity @ 25 C | | 1440 | umhos/cm | 1.0 | | | | 0.2 | 10 | |

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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples

Report Date: 04/19/11
Work Order: C11030346

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|---------------------------|-------|----|------|--------------------|------------|----------------------------|----------|------|
| Method: A2540 C | | | | | | | | Batch: 110311_1_SLDS-TDS-W | | |
| Sample ID: MBLK1_110311 | | Method Blank | | | | Run: BAL-1_110311A | | 03/11/11 15:40 | | |
| Solids, Total Dissolved TDS @ 180 C | | ND | mg/L | 4 | | | | | | |
| Sample ID: LCS1_110311 | | Laboratory Control Sample | | | | Run: BAL-1_110311A | | 03/11/11 15:40 | | |
| Solids, Total Dissolved TDS @ 180 C | | 984 | mg/L | 10 | 98 | 90 | 110 | | | |
| Sample ID: C11030346-002ADUP | | Sample Duplicate | | | | Run: BAL-1_110311A | | 03/11/11 15:52 | | |
| Solids, Total Dissolved TDS @ 180 C | | 847 | mg/L | 10 | | | | 1.7 | 10 | |
| Sample ID: C11030350-001AMS | | Sample Matrix Spike | | | | Run: BAL-1_110311A | | 03/11/11 15:53 | | |
| Solids, Total Dissolved TDS @ 180 C | | 2040 | mg/L | 10 | 100 | 90 | 110 | | | |

Qualifiers:

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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 04/19/11

Project: Marsland Baseline Samples

Work Order: C11030346

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|-------|------|-----------|----------------------|-----|----------|----------------|
| Method: A4500-F C | | | | | | | | | | Batch: R143532 |
| Sample ID: MBLK | | | | | | | | | | |
| Fluoride | | Method Blank | | | | | Run: MANTECH_110311A | | | 03/11/11 10:25 |
| | | 0.02 | mg/L | 0.008 | | | | | | |
| Sample ID: LCS | | | | | | | | | | |
| Fluoride | | Laboratory Control Sample | | | | | Run: MANTECH_110311A | | | 03/11/11 10:27 |
| | | 1.02 | mg/L | 0.10 | 100 | 90 | 110 | | | |
| Sample ID: C11030345-011AMS | | | | | | | | | | |
| Fluoride | | Sample Matrix Spike | | | | | Run: MANTECH_110311A | | | 03/11/11 13:39 |
| | | 0.980 | mg/L | 0.10 | 89 | 80 | 120 | | | |
| Sample ID: C11030345-011AMSD | | | | | | | | | | |
| Fluoride | | Sample Matrix Spike Duplicate | | | | | Run: MANTECH_110311A | | | 03/11/11 13:42 |
| | | 1.02 | mg/L | 0.10 | 93 | 80 | 120 | 4.0 | 10 | |

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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 04/19/11

Project: Marsland Baseline Samples

Work Order: C11030346

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|---|-------|--------------------------|------|-----------|-------------------------------------|----------------|----------|----------------|
| Method: A4500-H B | | | | | | | Analytical Run: ORION555A-2_110314A | | | |
| Sample ID: ICV1_110314_1 | | Initial Calibration Verification Standard | | | | | | | | 03/14/11 08:27 |
| pH | | 6.90 | s.u. | 0.010 | 101 | 98 | 102 | | | |
| Method: A4500-H B | | | | | | | Batch: 110314_1_PH-W_555A-2 | | | |
| Sample ID: C11030366-001ADUP | | Sample Duplicate | | Run: ORION555A-2_110314A | | | | 03/14/11 08:50 | | |
| pH | | 9.20 | s.u. | 0.010 | | | | 0.1 | 3 | |

Qualifiers:

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ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 04/19/11

Project: Marsland Baseline Samples

Work Order: C11030346

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|------------------------------|-------|-------------------------------|-------|-------|------------------------|-----------|------------|----------------|----------------|------|
| Method: A4500-NH3 G | | | | | | | | | Batch: R143734 | |
| Sample ID: LCS-5 | | Laboratory Control Sample | | | Run: TECHNICON_110317A | | | 03/17/11 15:11 | | |
| Nitrogen, Ammonia as N | | 1.94 | mg/L | 0.050 | 97 | 90 | 110 | | | |
| Sample ID: C11030323-002DMS | | Sample Matrix Spike | | | Run: TECHNICON_110317A | | | 03/17/11 15:23 | | |
| Nitrogen, Ammonia as N | | 1.76 | mg/L | 0.050 | 88 | 80 | 120 | | | |
| Sample ID: C11030323-002DMSD | | Sample Matrix Spike Duplicate | | | Run: TECHNICON_110317A | | | 03/17/11 15:27 | | |
| Nitrogen, Ammonia as N | | 1.83 | mg/L | 0.050 | 91 | 80 | 120 | 3.9 | 10 | |
| Sample ID: MBLK-35 | | Method Blank | | | Run: TECHNICON_110317A | | | 03/17/11 16:13 | | |
| Nitrogen, Ammonia as N | | ND | mg/L | 0.050 | | | | | | |

Qualifiers:

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MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 04/19/11

Project: Marsland Baseline Samples

Work Order: C11030346

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|------------------------------|-------|----------------------------|-------|--------|------|-----------|---------------------|-----|----------|----------------|
| Method: E200.7 | | | | | | | | | | Batch: R143647 |
| Sample ID: MB-110315A | 14 | Method Blank | | | | | Run: ICP2-C_110315A | | | 03/15/11 11:56 |
| Aluminum | | 0.01 | mg/L | 0.01 | | | | | | |
| Barium | | 0.003 | mg/L | 0.0005 | | | | | | |
| Boron | | 0.02 | mg/L | 0.009 | | | | | | |
| Calcium | | ND | mg/L | 0.2 | | | | | | |
| Chromium | | ND | mg/L | 0.002 | | | | | | |
| Copper | | 0.003 | mg/L | 0.001 | | | | | | |
| Iron | | ND | mg/L | 0.002 | | | | | | |
| Magnesium | | ND | mg/L | 0.05 | | | | | | |
| Manganese | | ND | mg/L | 0.0004 | | | | | | |
| Molybdenum | | ND | mg/L | 0.005 | | | | | | |
| Potassium | | ND | mg/L | 0.02 | | | | | | |
| Silicon | | 0.010 | mg/L | 0.007 | | | | | | |
| Sodium | | ND | mg/L | 0.3 | | | | | | |
| Zinc | | 0.005 | mg/L | 0.001 | | | | | | |
| Sample ID: LFB-110315A | 14 | Laboratory Fortified Blank | | | | | Run: ICP2-C_110315A | | | 03/15/11 12:01 |
| Aluminum | | 0.900 | mg/L | 0.10 | 87 | 85 | 115 | | | |
| Barium | | 0.950 | mg/L | 0.10 | 93 | 85 | 115 | | | |
| Boron | | 0.949 | mg/L | 0.10 | 91 | 85 | 115 | | | |
| Calcium | | 48.1 | mg/L | 0.50 | 94 | 85 | 115 | | | |
| Chromium | | 0.947 | mg/L | 0.050 | 93 | 85 | 115 | | | |
| Copper | | 0.945 | mg/L | 0.010 | 92 | 85 | 115 | | | |
| Iron | | 0.957 | mg/L | 0.030 | 94 | 85 | 115 | | | |
| Magnesium | | 47.3 | mg/L | 0.50 | 93 | 85 | 115 | | | |
| Manganese | | 0.956 | mg/L | 0.010 | 94 | 85 | 115 | | | |
| Molybdenum | | 0.954 | mg/L | 0.10 | 94 | 85 | 115 | | | |
| Potassium | | 43.5 | mg/L | 0.50 | 85 | 85 | 115 | | | |
| Silicon | | 0.442 | mg/L | 0.10 | 90 | 85 | 115 | | | |
| Sodium | | 47.7 | mg/L | 0.50 | 93 | 85 | 115 | | | |
| Zinc | | 0.948 | mg/L | 0.010 | 92 | 85 | 115 | | | |
| Sample ID: C11030346-001CMS2 | 14 | Sample Matrix Spike | | | | | Run: ICP2-C_110315A | | | 03/15/11 15:37 |
| Aluminum | | 1.83 | mg/L | 0.10 | 87 | 70 | 130 | | | |
| Barium | | 1.96 | mg/L | 0.10 | 95 | 70 | 130 | | | |
| Boron | | 2.01 | mg/L | 0.10 | 93 | 70 | 130 | | | |
| Calcium | | 99.2 | mg/L | 1.0 | 92 | 70 | 130 | | | |
| Chromium | | 1.92 | mg/L | 0.050 | 94 | 70 | 130 | | | |
| Copper | | 1.95 | mg/L | 0.010 | 95 | 70 | 130 | | | |
| Iron | | 1.91 | mg/L | 0.030 | 94 | 70 | 130 | | | |
| Magnesium | | 89.5 | mg/L | 1.0 | 88 | 70 | 130 | | | |
| Manganese | | 1.93 | mg/L | 0.010 | 95 | 70 | 130 | | | |
| Molybdenum | | 1.91 | mg/L | 0.10 | 93 | 70 | 130 | | | |
| Potassium | | 94.7 | mg/L | 1.0 | 81 | 70 | 130 | | | |
| Silicon | | 49.3 | mg/L | 0.10 | | 70 | 130 | | | A |
| Sodium | | 241 | mg/L | 1.0 | 95 | 70 | 130 | | | |
| Zinc | | 1.89 | mg/L | 0.010 | 91 | 70 | 130 | | | |

Qualifiers:

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ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

MDC - Minimum detectable concentration



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 04/19/11

Project: Marsland Baseline Samples

Work Order: C11030346

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|---|-------|--------|-------|---------------------|------|-----------|------------|-----|----------------|------|
| Method: E200.7 | | | | | | | | | Batch: R143647 | |
| Sample ID: C11030346-001CMSD 14 Sample Matrix Spike Duplicate | | | | Run: ICP2-C_110315A | | | | | 03/15/11 15:41 | |
| Aluminum | | 1.83 | mg/L | 0.10 | 88 | 70 | 130 | 0.2 | 20 | |
| Barium | | 1.96 | mg/L | 0.10 | 95 | 70 | 130 | 0.2 | 20 | |
| Boron | | 2.04 | mg/L | 0.10 | 95 | 70 | 130 | 1.3 | 20 | |
| Calcium | | 97.6 | mg/L | 1.0 | 91 | 70 | 130 | 1.6 | 20 | |
| Chromium | | 1.86 | mg/L | 0.050 | 91 | 70 | 130 | 3.3 | 20 | |
| Copper | | 1.91 | mg/L | 0.010 | 94 | 70 | 130 | 1.9 | 20 | |
| Iron | | 1.85 | mg/L | 0.030 | 91 | 70 | 130 | 3.3 | 20 | |
| Magnesium | | 88.2 | mg/L | 1.0 | 86 | 70 | 130 | 1.4 | 20 | |
| Manganese | | 1.88 | mg/L | 0.010 | 92 | 70 | 130 | 2.4 | 20 | |
| Molybdenum | | 1.88 | mg/L | 0.10 | 92 | 70 | 130 | 1.8 | 20 | |
| Potassium | | 95.5 | mg/L | 1.0 | 82 | 70 | 130 | 0.8 | 20 | |
| Silicon | | 48.4 | mg/L | 0.10 | | 70 | 130 | 1.8 | 20 | A |
| Sodium | | 236 | mg/L | 1.0 | 89 | 70 | 130 | 2.4 | 20 | |
| Zinc | | 1.84 | mg/L | 0.010 | 89 | 70 | 130 | 2.7 | 20 | |

Qualifiers:

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MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 04/19/11

Project: Marsland Baseline Samples

Work Order: C11030346

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------------------------------|-------------------------------|------------|---------|------|-----------|------------|-----|----------|--------------------------------------|
| Method: E200.8 | | | | | | | | | | Batch: 29258 |
| Sample ID: MB-29258 | Method Blank | | | | | | | | | |
| Uranium | | ND | mg/L | 6E-05 | | | | | | Run: ICPMS2-C_110316A 03/17/11 03:01 |
| Sample ID: LCS2-29258 | Laboratory Control Sample | | | | | | | | | |
| Uranium | | 0.0969 | mg/L | 0.00030 | 97 | 85 | 115 | | | Run: ICPMS2-C_110316A 03/17/11 03:05 |
| Sample ID: C11030365-008AMS | Sample Matrix Spike | | | | | | | | | |
| Uranium | | 0.0561 | pCi/Filter | 0.00030 | 112 | 70 | 130 | | | Run: ICPMS2-C_110316A 03/17/11 04:49 |
| Sample ID: C11030365-008AMSD | Sample Matrix Spike Duplicate | | | | | | | | | |
| Uranium | | 0.0546 | pCi/Filter | 0.00030 | 109 | 70 | 130 | 2.8 | 20 | Run: ICPMS2-C_110316A 03/17/11 04:53 |
| Method: E200.8 | | | | | | | | | | Batch: R143967 |
| Sample ID: LRB | 6 | Method Blank | | | | | | | | Run: ICPMS2-C_110323A 03/23/11 12:03 |
| Arsenic | | 7E-05 | mg/L | 6E-05 | | | | | | |
| Cadmium | | ND | mg/L | 1E-05 | | | | | | |
| Lead | | ND | mg/L | 3E-05 | | | | | | |
| Mercury | | ND | mg/L | 8E-05 | | | | | | |
| Selenium | | 0.0004 | mg/L | 0.0002 | | | | | | |
| Uranium | | ND | mg/L | 1E-05 | | | | | | |
| Sample ID: LFB | 6 | Laboratory Fortified Blank | | | | | | | | Run: ICPMS2-C_110323A 03/23/11 12:10 |
| Arsenic | | 0.0528 | mg/L | 0.0010 | 105 | 85 | 115 | | | |
| Cadmium | | 0.0534 | mg/L | 0.0010 | 107 | 85 | 115 | | | |
| Lead | | 0.0532 | mg/L | 0.0010 | 106 | 85 | 115 | | | |
| Mercury | | 0.00539 | mg/L | 0.0010 | 108 | 85 | 115 | | | |
| Selenium | | 0.0523 | mg/L | 0.0010 | 104 | 85 | 115 | | | |
| Uranium | | 0.0520 | mg/L | 0.00030 | 104 | 85 | 115 | | | |
| Sample ID: C11030345-010CMS4 | 6 | Sample Matrix Spike | | | | | | | | Run: ICPMS2-C_110323A 03/23/11 17:12 |
| Arsenic | | 0.0619 | mg/L | 0.0010 | 101 | 70 | 130 | | | |
| Cadmium | | 0.0482 | mg/L | 0.010 | 96 | 70 | 130 | | | |
| Lead | | 0.0511 | mg/L | 0.050 | 102 | 70 | 130 | | | |
| Mercury | | 0.00509 | mg/L | 0.0010 | 102 | 70 | 130 | | | |
| Selenium | | 0.0466 | mg/L | 0.0010 | 92 | 70 | 130 | | | |
| Uranium | | 0.0865 | mg/L | 0.00030 | 104 | 70 | 130 | | | |
| Sample ID: C11030345-010CMSD | 6 | Sample Matrix Spike Duplicate | | | | | | | | Run: ICPMS2-C_110323A 03/23/11 17:19 |
| Arsenic | | 0.0667 | mg/L | 0.0010 | 110 | 70 | 130 | 7.4 | 20 | |
| Cadmium | | 0.0528 | mg/L | 0.010 | 106 | 70 | 130 | 9.1 | 20 | |
| Lead | | 0.0544 | mg/L | 0.050 | 109 | 70 | 130 | 6.2 | 20 | |
| Mercury | | 0.00548 | mg/L | 0.0010 | 110 | 70 | 130 | 7.3 | 20 | |
| Selenium | | 0.0512 | mg/L | 0.0010 | 101 | 70 | 130 | 9.3 | 20 | |
| Uranium | | 0.0886 | mg/L | 0.00030 | 108 | 70 | 130 | 2.4 | 20 | |

Qualifiers:

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MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples

Report Date: 04/19/11
Work Order: C11030346

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|--------|------|-----------|-----------------------|-----|----------|----------------|
| Method: E200.8 | | | | | | | | | | Batch: R144080 |
| Sample ID: LRB | 4 | Method Blank | | | | | Run: ICPMS2-C_110325A | | | 03/25/11 12:30 |
| Chromium | | 0.00010 | mg/L | 4E-05 | | | | | | |
| Copper | | ND | mg/L | 7E-05 | | | | | | |
| Nickel | | ND | mg/L | 0.0007 | | | | | | |
| Vanadium | | 6E-05 | mg/L | 3E-05 | | | | | | |
| Sample ID: LFB | 4 | Laboratory Fortified Blank | | | | | Run: ICPMS2-C_110325A | | | 03/25/11 12:37 |
| Chromium | | 0.0542 | mg/L | 0.0010 | 108 | 85 | 115 | | | |
| Copper | | 0.0546 | mg/L | 0.0010 | 109 | 85 | 115 | | | |
| Nickel | | 0.0539 | mg/L | 0.0010 | 108 | 85 | 115 | | | |
| Vanadium | | 0.0537 | mg/L | 0.0010 | 107 | 85 | 115 | | | |
| Sample ID: C11030346-002CMS4 | 4 | Sample Matrix Spike | | | | | Run: ICPMS2-C_110325A | | | 03/26/11 15:37 |
| Chromium | | 0.0460 | mg/L | 0.0010 | 92 | 70 | 130 | | | |
| Copper | | 0.0549 | mg/L | 0.010 | 96 | 70 | 130 | | | |
| Nickel | | 0.0455 | mg/L | 0.0010 | 91 | 70 | 130 | | | |
| Vanadium | | 0.0488 | mg/L | 0.0010 | 97 | 70 | 130 | | | |
| Sample ID: C11030346-002CMSD | 4 | Sample Matrix Spike Duplicate | | | | | Run: ICPMS2-C_110325A | | | 03/26/11 16:11 |
| Chromium | | 0.0483 | mg/L | 0.0010 | 96 | 70 | 130 | 4.9 | 20 | |
| Copper | | 0.0551 | mg/L | 0.010 | 97 | 70 | 130 | 0.5 | 20 | |
| Nickel | | 0.0472 | mg/L | 0.0010 | 94 | 70 | 130 | 3.6 | 20 | |
| Vanadium | | 0.0510 | mg/L | 0.0010 | 102 | 70 | 130 | 4.4 | 20 | |

Qualifiers:

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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples

Report Date: 04/19/11
Work Order: C11030346

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|---|-------|------|------|-----------|------------|-------------------------------|----------|----------------|
| Method: E300.0 | | | | | | | | Analytical Run: IC2-C_110315A | | |
| Sample ID: ICV | 2 | Initial Calibration Verification Standard | | | | | | | | 03/15/11 12:16 |
| Chloride | | 10.0 | mg/L | 1.0 | 100 | 90 | 110 | | | |
| Sulfate | | 40.1 | mg/L | 1.0 | 100 | 90 | 110 | | | |
| Method: E300.0 | | | | | | | | Batch: R143695 | | |
| Sample ID: MBLK | 2 | Method Blank | | | | | | | | 03/15/11 12:32 |
| Chloride | | ND | mg/L | 0.06 | | | | | | |
| Sulfate | | 0.2 | mg/L | 0.2 | | | | | | |
| Sample ID: LFB | 2 | Laboratory Fortified Blank | | | | | | | | 03/15/11 13:02 |
| Chloride | | 12.4 | mg/L | 1.0 | 100 | 90 | 110 | | | |
| Sulfate | | 50.2 | mg/L | 1.0 | 100 | 90 | 110 | | | |
| Sample ID: C11030346-002BMS | 2 | Sample Matrix Spike | | | | | | | | 03/15/11 18:57 |
| Chloride | | 227 | mg/L | 1.0 | 101 | 80 | 120 | | | |
| Sulfate | | 294 | mg/L | 4.0 | 102 | 80 | 120 | | | |
| Sample ID: C11030346-002BMSD | 2 | Sample Matrix Spike Duplicate | | | | | | | | 03/15/11 19:12 |
| Chloride | | 227 | mg/L | 1.0 | 100 | 80 | 120 | 0.3 | 10 | |
| Sulfate | | 292 | mg/L | 4.0 | 101 | 80 | 120 | 0.7 | 10 | |
| Sample ID: LCS | 2 | Laboratory Control Sample | | | | | | | | 03/15/11 20:30 |
| Chloride | | 10.0 | mg/L | 1.0 | 100 | 90 | 110 | | | |
| Sulfate | | 40.2 | mg/L | 1.0 | 100 | 90 | 110 | | | |

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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 04/19/11

Project: Marsland Baseline Samples

Work Order: C11030346

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|------|------|------------------------|------------|----------------|----------|----------------|
| Method: E353.2 | | | | | | | | | | Batch: R143975 |
| Sample ID: MBLK-1 | | | | | | | | | | |
| | | Method Blank | | | | Run: TECHNICON_110323A | | 03/23/11 17:24 | | |
| Nitrogen, Nitrate+Nitrite as N | | ND | mg/L | 0.06 | | | | | | |
| Sample ID: LCS-2 | | | | | | | | | | |
| | | Laboratory Control Sample | | | | Run: TECHNICON_110323A | | 03/23/11 17:26 | | |
| Nitrogen, Nitrate+Nitrite as N | | 2.61 | mg/L | 0.10 | 104 | 90 | 110 | | | |
| Sample ID: C11030377-001DMS | | | | | | | | | | |
| | | Sample Matrix Spike | | | | Run: TECHNICON_110323A | | 03/23/11 17:41 | | |
| Nitrogen, Nitrate+Nitrite as N | | 2.07 | mg/L | 0.10 | 106 | 90 | 110 | | | |
| Sample ID: C11030377-001DMSD | | | | | | | | | | |
| | | Sample Matrix Spike Duplicate | | | | Run: TECHNICON_110323A | | 03/23/11 17:44 | | |
| Nitrogen, Nitrate+Nitrite as N | | 2.10 | mg/L | 0.10 | 107 | 90 | 110 | 1.4 | 10 | |

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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 04/19/11

Project: Marsland Baseline Samples

Work Order: C11030346

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------------------------------|--------------|-------|-----|------|-------------------------|------------|------|----------|-------------------|
| Method: E903.0 | | | | | | | | | | Batch: 29258 |
| Sample ID: C11030211-001HMS | Sample Matrix Spike | | | | | Run: G542M_110315A | | | | 03/21/11 15:15 |
| Radium 226 | 11 | pCi/L | | 107 | 70 | 130 | | | | |
| Sample ID: C11030211-001HMSD | Sample Matrix Spike Duplicate | | | | | Run: G542M_110315A | | | | 03/21/11 15:15 |
| Radium 226 | 10 | pCi/L | | 97 | 70 | 130 | 6.0 | 24.7 | | |
| Sample ID: LCS-29258 | Laboratory Control Sample | | | | | Run: G542M_110315A | | | | 03/21/11 16:54 |
| Radium 226 | 11.4 | pCi/Filter | | 95 | 70 | 130 | | | | |
| Sample ID: MB-29258 | 3 | Method Blank | | | | Run: G542M_110315A | | | | 03/21/11 16:54 |
| Radium 226 | -0.07 | pCi/Filter | | | | | | | | U |
| Radium 226 precision (±) | 0.2 | pCi/Filter | | | | | | | | |
| Radium 226 MDC | 0.3 | pCi/Filter | | | | | | | | |
| Method: E903.0 | | | | | | | | | | Batch: RA226-5235 |
| Sample ID: C11030211-003DMS | Sample Matrix Spike | | | | | Run: TENNELEC-3_110315B | | | | 03/21/11 17:17 |
| Radium 226 | 14 | pCi/L | | 109 | 70 | 130 | | | | |
| Sample ID: C11030211-003DMSD | Sample Matrix Spike Duplicate | | | | | Run: TENNELEC-3_110315B | | | | 03/21/11 17:17 |
| Radium 226 | 14 | pCi/L | | 111 | 70 | 130 | 1.7 | 25.1 | | |
| Sample ID: LCS-RA226-5235 | Laboratory Control Sample | | | | | Run: TENNELEC-3_110315B | | | | 03/21/11 20:55 |
| Radium 226 | 6.2 | pCi/L | | 95 | 85 | 115 | | | | |
| Sample ID: MB-RA226-5235 | 3 | Method Blank | | | | Run: TENNELEC-3_110315B | | | | 03/21/11 20:55 |
| Radium 226 | 0.2 | pCi/L | | | | | | | | |
| Radium 226 precision (±) | 0.1 | pCi/L | | | | | | | | |
| Radium 226 MDC | 0.1 | pCi/L | | | | | | | | |

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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 04/19/11

Project: Marsland Baseline Samples

Work Order: C11030346

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|--------------------------------------|-------------------------------|--------------|------------|------------------------|------|-----------|----------------|------|----------|-----------------------|
| Method: E908.0 | | | | | | | | | | Batch: 29258 |
| Sample ID: C11030346-002HMS | Sample Matrix Spike | | | Run: EGG-ORTEC_110315A | | | 03/17/11 16:50 | | | |
| Thorium 230 | 4.4 | pCi/L | | 103 | 70 | 130 | | | | |
| Sample ID: C11030346-002HMSD | Sample Matrix Spike Duplicate | | | Run: EGG-ORTEC_110315A | | | 03/17/11 16:50 | | | |
| Thorium 230 | 4.5 | pCi/L | | 103 | 70 | 130 | 2.8 | 35.4 | | |
| Sample ID: LCS-29258 | Laboratory Control Sample | | | Run: EGG-ORTEC_110315A | | | 03/18/11 09:32 | | | |
| Thorium 230 | 5.26 | pCi/Filter | | 114 | 70 | 130 | | | | |
| Sample ID: MB-29258 | 3 | Method Blank | | Run: EGG-ORTEC_110315A | | | 03/18/11 09:32 | | | |
| Thorium 230 | | -0.3 | pCi/Filter | | | | | | | U |
| Thorium 230 precision (\pm) | | 0.10 | pCi/Filter | | | | | | | |
| Thorium 230 MDC | | 0.2 | pCi/Filter | | | | | | | |
| Method: E908.0 | | | | | | | | | | Batch: RA-TH-ISO-1347 |
| Sample ID: LCS-RA-TH-ISO-1347 | Laboratory Control Sample | | | Run: EGG-ORTEC_110321A | | | 03/23/11 11:28 | | | |
| Thorium 230 | 4.8 | pCi/L | | 89 | 70 | 130 | | | | |
| Sample ID: C11030345-007DMS | Sample Matrix Spike | | | Run: EGG-ORTEC_110321A | | | 03/23/11 11:28 | | | |
| Thorium 230 | 13 | pCi/L | | 103 | 70 | 130 | | | | |
| Sample ID: C11030345-007DMSD | Sample Matrix Spike Duplicate | | | Run: EGG-ORTEC_110321A | | | 03/23/11 11:28 | | | |
| Thorium 230 | 12 | pCi/L | | 91 | 70 | 130 | 11 | 36.2 | | |
| Sample ID: MB-RA-TH-ISO-1347 | 3 | Method Blank | | Run: EGG-ORTEC_110321A | | | 03/23/11 11:29 | | | |
| Thorium 230 | | 0.05 | pCi/L | | | | | | | U |
| Thorium 230 precision (\pm) | | 0.06 | pCi/L | | | | | | | |
| Thorium 230 MDC | | 0.09 | pCi/L | | | | | | | |

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QA/QC Summary Report

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Report Date: 04/19/11

Project: Marsland Baseline Samples

Work Order: C11030346

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|------------------------------|-------|--------------------------------------|-------|----|-----------------|-----------|------------|----------------------|----------|------|
| Method: E909.0 | | | | | | | | Batch: T_PB-210-0084 | | |
| Sample ID: LCS-PB-210-0084 | | Laboratory Control Sample | | | Run: SUB-T39702 | | | 03/24/11 20:59 | | |
| Lead 210 | | 50 | pCi/L | | 94 | 70 | 130 | | | |
| Sample ID: MB-PB-210-0084 | | 3 Method Blank | | | Run: SUB-T39702 | | | 03/24/11 18:47 | | |
| Lead 210 | | -0.5 | pCi/L | | | | | | | U |
| Lead 210 precision (±) | | 0.9 | pCi/L | | | | | | | |
| Lead 210 MDC | | 1 | pCi/L | | | | | | | |
| Sample ID: TAP WATERMS | | Laboratory Fortified Blank | | | Run: SUB-T39702 | | | 03/25/11 01:22 | | |
| Lead 210 | | 52 | pCi/L | | 99 | 70 | 130 | | | |
| Sample ID: TAP WATERMSD | | Laboratory Fortified Blank Duplicate | | | Run: SUB-T39702 | | | 03/25/11 03:33 | | |
| Lead 210 | | 47 | pCi/L | | 88 | 70 | 130 | 11 | 30 | |
| Method: E909.0 | | | | | | | | Batch: T_13525 | | |
| Sample ID: T11030059-001HMSD | | Sample Matrix Spike Duplicate | | | Run: SUB-T39754 | | | 03/28/11 02:58 | | |
| Lead 210 | | 86 | pCi/L | | 87 | 70 | 130 | 17 | 17.2 | |
| Sample ID: MB-13525_29258 | | 3 Method Blank | | | Run: SUB-T39754 | | | 03/27/11 18:12 | | |
| Lead 210 | | 5 | pCi/L | | | | | | | U |
| Lead 210 precision (±) | | 8 | pCi/L | | | | | | | |
| Lead 210 MDC | | 10 | pCi/L | | | | | | | |
| Sample ID: LCS-13525_29258 | | Laboratory Control Sample | | | Run: SUB-T39754 | | | 03/27/11 20:24 | | |
| Lead 210 | | 350 | pCi/L | | 98 | 70 | 130 | | | |
| Sample ID: T11030059-001HMS | | Sample Matrix Spike | | | Run: SUB-T39754 | | | 03/28/11 00:47 | | |
| Lead 210 | | 100 | pCi/L | | 103 | 70 | 130 | | | |

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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 04/19/11

Project: Marsland Baseline Samples

Work Order: C11030346

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|----------------------------------|-------------------------------|--------------|-------|------------------------|------|-----------|----------------|-----|----------|-------------------|
| Method: E912.0 | | | | | | | | | | Batch: PO210-0351 |
| Sample ID: C11030396-002FMS | Sample Matrix Spike | | | Run: EGG-ORTEC_110316B | | | 03/17/11 13:06 | | | |
| Polonium 210 | 11 | | pCi/L | 82 | | 70 | 130 | | | |
| Sample ID: C11030396-002FMSD | Sample Matrix Spike Duplicate | | | Run: EGG-ORTEC_110316B | | | 03/17/11 13:06 | | | |
| Polonium 210 | 10 | | pCi/L | 78 | | 70 | 130 | 5.0 | 76 | |
| Sample ID: MB-PO210-0351 | 3 | Method Blank | | Run: EGG-ORTEC_110316B | | | 03/17/11 13:06 | | | |
| Polonium 210 | | -0.03 | pCi/L | | | | | | | U |
| Polonium 210 precision (\pm) | | 0.3 | pCi/L | | | | | | | |
| Polonium 210 MDC | | 0.8 | pCi/L | | | | | | | |
| Sample ID: LCS-PO210-0351 | Laboratory Control Sample | | | Run: EGG-ORTEC_110316B | | | 03/17/11 13:06 | | | |
| Polonium 210 | 7.2 | | pCi/L | 113 | | 70 | 130 | | | |
| Method: E912.0 | | | | | | | | | | Batch: R144922 |
| Sample ID: LCS-29258 | Laboratory Control Sample | | | Run: EGG-ORTEC_110412A | | | 04/14/11 08:57 | | | |
| Polonium 210 | 29 | | pCi/L | 96 | | 70 | 130 | | | |
| Sample ID: MB-29258 | 3 | Method Blank | | Run: EGG-ORTEC_110412A | | | 04/14/11 08:57 | | | |
| Polonium 210 | | -0.05 | pCi/L | | | | | | | U |
| Polonium 210 precision (\pm) | | 0.9 | pCi/L | | | | | | | |
| Polonium 210 MDC | | 2 | pCi/L | | | | | | | |
| Sample ID: C11030766-001HMS | Sample Matrix Spike | | | Run: EGG-ORTEC_110412A | | | 04/14/11 08:57 | | | |
| Polonium 210 | 5.1 | | pCi/L | 89 | | 70 | 130 | | | |
| Sample ID: C11030766-001HMSD | Sample Matrix Spike Duplicate | | | Run: EGG-ORTEC_110412A | | | 04/14/11 08:57 | | | |
| Polonium 210 | 5.1 | | pCi/L | 88 | | 70 | 130 | 1.7 | 71.5 | |

Qualifiers:

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Workorder Receipt Checklist



C11030346

Login completed by: Edith McPike

Date Received: 3/11/2011

Reviewed by: BL2000\hackerman

Received by: ha

Reviewed Date: 3/14/2011

 Carrier Next Day Air Saver
 name:

| | | | |
|---|---|-----------------------------|--|
| Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Container/Temp Blank temperature: | 5.4°C On Ice | | |
| Water - VOA vials have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | No VOA vials submitted <input checked="" type="checkbox"/> |
| Water - pH acceptable upon receipt? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Applicable <input type="checkbox"/> |

 Contact and Corrective Action Comments:

Samples filtered and preserved as necessary per quote.



Chain of Custody and Analytical Request Record

Page 1 of 1

PLEASE PRINT- Provide as much information as possible.

| ne: Sources, Inc. | | | Project Name Marsland Baseline Samples | | | | Sample Origin State: | | EPA/State Compliance: Yes <input type="checkbox"/> No <input type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-----------------|-----------------|--|-----------------------------|--|--------------------|--|-------------------------------|---|----------------------------------|---|--|---|--|---|-----------------|-----------------|--------|-----------------------------|--------------------|--------------------|--|-------------------------------|---------------------------|----------------------------------|-------------------|--------|--|-------|----|---|---|----|---|---|---|-----------------------|--------|--|-------|----|---|---|----|---|---|---|---|--|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|--|
| Report Mail Address: P.O. Box 169 Crawford, NE 69339 | | | Contact Name: Larry Teahon | | Phone/Fax: 308-665-2341 | | Email: daxmynus@msn.com | | Sampler: (Please Print) Brooke Bass Rhonda Pelton | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Invoice Address: P.O. Box 169 Crawford, NE 69339 | | | Invoice Contact & Phone: Larry Teahon 308-665-2215 ext 114 | | | | Purchase Order: 1125 | | Quote/Bottle Order: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Special Report/Formats – ELI must be notified prior to sample submittal for the following: <div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> DW <input type="checkbox"/> GSA <input type="checkbox"/> POTW/WWTP <input type="checkbox"/> State: _____ <input type="checkbox"/> Other: _____ </div> <div> <input type="checkbox"/> A2LA <input type="checkbox"/> EDD/EDT (Electronic Data) Format: _____ <input type="checkbox"/> LEVEL IV <input type="checkbox"/> NELAC </div> </div> | | | Number of Containers Sample Type: A W S V B O Air Water Soils/Solids Vegetation Bioassay Other | | ANALYSIS REQUESTED | | | | <div style="display: flex; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-weight: bold; margin-right: 10px;">SEE ATTACHED</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-weight: bold;">Normal Turnaround (TAT)</div> </div> | | <div style="display: flex; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-weight: bold; margin-right: 10px;">RUSH</div> <div> Contact ELI prior to RUSH sample submittal for charges and scheduling – See Instruction Page Comments: NDEQ parameters for baseline sampling. Report on separate sheets. Analyze as per WDEQ Guideline 8 and NRC Reg. Guide 4.14 requirements. Record U as mg/L and µCi/ml and radiometrics as pCi/L. </div> </div> | | Shipped by: UPS <i>UPS</i> Cooler ID(s): <i>Various</i> Receipt Temp <i>5.4</i> °C On Ice: <input checked="" type="radio"/> Yes <input type="radio"/> No Custody Seal Y <input checked="" type="radio"/> N Intact Y <input type="radio"/> N Signature Match Y <input type="radio"/> N | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | <table border="1" style="width:100%; border-collapse: collapse; font-size: 8px;"> <thead> <tr> <th style="width: 15%;">SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)</th> <th style="width: 10%;">Collection Date</th> <th style="width: 10%;">Collection Time</th> <th style="width: 10%;">MATRIX</th> <th style="width: 10%;">HNO₃-F, Metals</th> <th style="width: 10%;">RAW-F, Common Ions</th> <th style="width: 10%;">RAW-UF, Alkalinity</th> <th style="width: 10%;">H₂SO₄-F, NO₂, NO₃, NH₄</th> <th style="width: 10%;">Raw-UF, Ra226, Po210 dis, sus</th> <th style="width: 10%;">Raw-UF, Pb210 dis and sus</th> <th style="width: 10%;">Raw-UF, Th230, U-nat dis and sus</th> </tr> </thead> <tbody> <tr> <td>1 BOW <i>2070</i></td> <td>3/9/11</td> <td></td> <td>Water</td> <td>.5</td> <td>1</td> <td>1</td> <td>.5</td> <td>1</td> <td>1</td> <td>1</td> </tr> <tr> <td>2 CPW <i>2010-1/m</i></td> <td>3/9/11</td> <td></td> <td>Water</td> <td>.5</td> <td>1</td> <td>1</td> <td>.5</td> <td>1</td> <td>1</td> <td>1</td> </tr> <tr><td>3</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>4</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>5</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>6</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>7</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>8</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>9</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>10</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table> | | | | | | | | | | SAMPLE IDENTIFICATION (Name, Location, Interval, etc.) | Collection Date | Collection Time | MATRIX | HNO ₃ -F, Metals | RAW-F, Common Ions | RAW-UF, Alkalinity | H ₂ SO ₄ -F, NO ₂ , NO ₃ , NH ₄ | Raw-UF, Ra226, Po210 dis, sus | Raw-UF, Pb210 dis and sus | Raw-UF, Th230, U-nat dis and sus | 1 BOW <i>2070</i> | 3/9/11 | | Water | .5 | 1 | 1 | .5 | 1 | 1 | 1 | 2 CPW <i>2010-1/m</i> | 3/9/11 | | Water | .5 | 1 | 1 | .5 | 1 | 1 | 1 | 3 | | | | | | | | | | | 4 | | | | | | | | | | | 5 | | | | | | | | | | | 6 | | | | | | | | | | | 7 | | | | | | | | | | | 8 | | | | | | | | | | | 9 | | | | | | | | | | |
| SAMPLE IDENTIFICATION (Name, Location, Interval, etc.) | Collection Date | Collection Time | MATRIX | HNO ₃ -F, Metals | RAW-F, Common Ions | RAW-UF, Alkalinity | H ₂ SO ₄ -F, NO ₂ , NO ₃ , NH ₄ | Raw-UF, Ra226, Po210 dis, sus | Raw-UF, Pb210 dis and sus | Raw-UF, Th230, U-nat dis and sus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 BOW <i>2070</i> | 3/9/11 | | Water | .5 | 1 | 1 | .5 | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 CPW <i>2010-1/m</i> | 3/9/11 | | Water | .5 | 1 | 1 | .5 | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Custody Record MUST be Signed | | | Relinquished by (print): <i>Rhonda Pelton</i> Date/Time: <i>3-10-11 1300</i> Signature: <i>Rhonda Pelton</i> | | | | Received by (print): <i>UPS</i> Date/Time: _____ Signature: _____ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Relinquished by (print): _____ Date/Time: _____ Signature: _____ | | | | Received by (print): _____ Date/Time: _____ Signature: _____ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Sample Disposal: Return to Client: No Lab Disposal: YES | | | | Received by Laboratory: _____ Date/Time: <i>3-11-11 930</i> Signature: <i>Allecman</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

LABORATORY USE ONLY

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report. Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links

CROW BUTTE RESOURCES, INC.
CROW BUTTE PROJECT

NO₂⁻

DATE: 3/9/11

ANALYST: sm

STANDARD CURVE DATA

| | | | | | | | |
|------------------------------|----|------|------|------|--|--|--|
| NO ₂ ⁻ | BL | 0.01 | 0.05 | 0.10 | | | |
| Abs | 0 | .035 | .176 | | | | |
| Abs | | | | | | | |

| SAMPLE # | VOLUME | Df | Abs | NO ₂ ⁻ mg/L |
|--------------|--------|----|-------|-----------------------------------|
| 1 CPW 2010-1 | 10 ml | 1 | -.000 | < 0.01 |
| 2 BOW-1 | 10 ml | 1 | .040 | 0.01 |
| 3 BOW-1 Dup | 10 ml | 1 | .042 | 0.01 |
| 4 | | | | |
| 5 | | | | |
| Dup | | | | |
| 6 | | | | |
| 7 | | | | |
| 8 | | | | |
| 9 | | | | |
| 10 | | | | |
| Dup | | | | |
| 11 | | | | |
| 12 | | | | |
| 13 | | | | |
| 14 | | | | |
| 15 | | | | |
| Dup | | | | |
| 16 | | | | |
| 17 | | | | |
| 18 | | | | |
| 19 | | | | |
| 20 | | | | |
| Dup | | | | |
| 21 | | | | |
| 22 | | | | |
| 23 | | | | |
| 24 | | | | |
| 25 | | | | |
| Dup | | | | |



ANALYTICAL SUMMARY REPORT

May 06, 2011

Crow Butte Resources
86 Crow Butte Rd
Crawford, NE 69339

Workorder No.: C11030468 Quote ID: C1125 - Crow Butte Uranium
Project Name: Marsland G-8 Samples

Energy Laboratories, Inc. Casper WY received the following 10 samples for Crow Butte Resources on 3/16/2011 for analysis.

| Sample ID | Client Sample ID | Collect Date | Receive Date | Matrix | Test |
|---------------|------------------|---------------|--------------|---------|--|
| C11030468-001 | Monitor 1 | 03/12/11 0:00 | 03/16/11 | Aqueous | Metals by ICP/ICPMS, Dissolved Alkalinity QA Calculations Conductivity Sample Filtering Fluoride E300.0 Anions Uranium, Suspended Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Digestion, Total Metals Lead 210, Dissolved Lead 210, Suspended Polonium 210, Dissolved Polonium 210, Suspended Radium 226, Dissolved Radium 226, Suspended Thorium, Isotopic Thorium, Suspended Isotopic Solids, Total Dissolved |
| C11030468-002 | Monitor 2 | 03/12/11 0:00 | 03/16/11 | Aqueous | Same As Above |
| C11030468-003 | Monitor 4A | 03/12/11 0:00 | 03/16/11 | Aqueous | Same As Above |
| C11030468-004 | Monitor 5 | 03/12/11 0:00 | 03/16/11 | Aqueous | Same As Above |
| C11030468-005 | Monitor 6 | 03/12/11 0:00 | 03/16/11 | Aqueous | Same As Above |
| C11030468-006 | Monitor 7 | 03/12/11 0:00 | 03/16/11 | Aqueous | Same As Above |
| C11030468-007 | Monitor 8 | 03/12/11 0:00 | 03/16/11 | Aqueous | Same As Above |
| C11030468-008 | Monitor 9 | 03/12/11 0:00 | 03/16/11 | Aqueous | Same As Above |
| C11030468-009 | Monitor 10 | 03/12/11 0:00 | 03/16/11 | Aqueous | Same As Above |
| C11030468-010 | Monitor 11 | 03/12/11 0:00 | 03/16/11 | Aqueous | Same As Above |

This report was prepared by Energy Laboratories, Inc., 2393 Salt Creek Hwy., Casper, WY 82601. Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

The results as reported relate only to the item(s) submitted for testing.

If you have any questions regarding these test results, please call.

Report Approved By:



CLIENT: Crow Butte Resources
Project: Marsland G-8 Samples
Sample Delivery Group: C11030468

Report Date: 05/06/11

CASE NARRATIVE

RADIOCHEMISTRY ANALYSIS

Per client request, results less than MDC (or precision if no MDC), are reported as <MDC (or <precision). Actual instrument results are available by request.

BRANCH LABORATORY SUBCONTRACT ANALYSIS

Tests associated with analyst identified as ELI-CS were subcontracted to Energy Laboratories, 415 Graham Rd., College Station, TX, EPA Number TX01520.

ORIGINAL SAMPLE SUBMITTAL(S)

All original sample submittals have been returned with the data package.

SAMPLE TEMPERATURE COMPLIANCE: 4 °C (±2 °C)

Temperature of samples received may not be considered properly preserved by accepted standards. Samples that are hand delivered immediately after collection shall be considered acceptable if there is evidence that the chilling process has begun.

GROSS ALPHA ANALYSIS

Method 900.0 for gross alpha and gross beta is intended as a drinking water method for low TDS waters. Data provided by this method for non potable waters should be viewed as inconsistent.

SOIL/SOLID SAMPLES

All samples reported on an as received basis unless otherwise indicated.

SUBCONTRACTING ANALYSIS

Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.

BRANCH LABORATORY LOCATIONS

eli-b - Energy Laboratories, Inc. - Billings, MT
eli-g - Energy Laboratories, Inc. - Gillette, WY
eli-h - Energy Laboratories, Inc. - Helena, MT
eli-r - Energy Laboratories, Inc. - Rapid City, SD
eli-t - Energy Laboratories, Inc. - College Station, TX

CERTIFICATIONS:

USEPA: WY00002; FL-DOH NELAC: E87641; California: 02118CA
Oregon: WY200001; Utah: 3072350515; Virginia: 00057; Washington: C1903

ISO 17025 DISCLAIMER:

The results of this Analytical Report relate only to the items submitted for analysis.

ENERGY LABORATORIES, INC. - CASPER, WY certifies that certain method selections contained in this report meet requirements as set forth by the above accrediting authorities. Some results requested by the client may not be covered under these certifications. All analysis data to be submitted for regulatory enforcement should be certified in the sample state of origin. Please verify ELI's certification coverage by visiting www.energylab.com

ELI appreciates the opportunity to provide you with this analytical service. For additional information and services visit our web page www.energylab.com.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland G-8 Samples
Lab ID: C11030468-001
Client Sample ID: Monitor 1

Report Date: 05/06/11
Collection Date: 03/12/11
Date Received: 03/16/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 412 | mg/L | | 1 | | A2320 B | 03/16/11 21:34 / jba |
| Carbonate as CO ₃ | 13 | mg/L | | 1 | | A2320 B | 03/16/11 21:34 / jba |
| Bicarbonate as HCO ₃ | 476 | mg/L | | 1 | | A2320 B | 03/16/11 21:34 / jba |
| Calcium | 5 | mg/L | | 1 | | E200.7 | 03/29/11 14:36 / cp |
| Chloride | 179 | mg/L | | 1 | | E300.0 | 03/17/11 23:20 / ljl |
| Fluoride | 0.6 | mg/L | | 0.1 | | A4500-F C | 03/17/11 11:48 / jba |
| Magnesium | 1 | mg/L | | 1 | | E200.7 | 03/29/11 14:36 / cp |
| Nitrogen, Ammonia as N | 0.21 | mg/L | | 0.05 | | A4500-NH ₃ G | 03/18/11 15:11 / dc |
| Nitrogen, Nitrate+Nitrite as N | ND | mg/L | | 0.1 | | E353.2 | 03/16/11 16:26 / dc |
| Potassium | 8 | mg/L | | 1 | | E200.7 | 03/29/11 14:36 / cp |
| Silica | 17.0 | mg/L | | 0.2 | | E200.7 | 03/29/11 14:36 / cp |
| Sodium | 332 | mg/L | | 1 | | E200.7 | 03/29/11 14:36 / cp |
| Sulfate | 60 | mg/L | D | 4 | | E300.0 | 03/17/11 23:20 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 1410 | umhos/cm | | 1 | | A2510 B | 03/16/11 13:57 / lmc |
| pH | 8.25 | s.u. | | 0.01 | | A4500-H B | 03/16/11 13:57 / lmc |
| Solids, Total Dissolved TDS @ 180 C | 848 | mg/L | | 10 | | A2540 C | 03/17/11 13:34 / lmc |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.7 | 03/29/11 14:36 / cp |
| Arsenic | 0.003 | mg/L | | 0.001 | | E200.8 | 03/29/11 23:23 / sml |
| Barium | ND | mg/L | | 0.1 | | E200.8 | 03/23/11 19:21 / sml |
| Boron | 1.4 | mg/L | | 0.1 | | E200.7 | 03/29/11 14:36 / cp |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 03/23/11 19:21 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.7 | 03/29/11 14:36 / cp |
| Copper | ND | mg/L | | 0.01 | | E200.7 | 03/29/11 14:36 / cp |
| Iron | 0.15 | mg/L | | 0.03 | | E200.7 | 03/29/11 14:36 / cp |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 03/23/11 19:21 / sml |
| Manganese | 0.01 | mg/L | | 0.01 | | E200.7 | 03/29/11 14:36 / cp |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 03/23/11 19:21 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.7 | 03/29/11 14:36 / cp |
| Nickel | ND | mg/L | | 0.05 | | E200.7 | 03/29/11 14:36 / cp |
| Selenium | 0.004 | mg/L | | 0.001 | | E200.8 | 03/29/11 23:23 / sml |
| Uranium | 0.0132 | mg/L | | 0.0003 | | E200.8 | 03/23/11 19:21 / sml |
| Uranium, Activity | 9.0E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 03/23/11 19:21 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.7 | 03/29/11 14:36 / cp |
| Zinc | 0.02 | mg/L | | 0.01 | | E200.7 | 03/29/11 14:36 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | 0.0378 | mg/L | | 0.0003 | | E200.8 | 03/19/11 03:07 / sml |
| Uranium, Activity | 2.6E-08 | uCi/mL | | 2.0E-10 | | E200.8 | 03/19/11 03:07 / sml |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland G-8 Samples
Lab ID: C11030468-001
Client Sample ID: Monitor 1

Report Date: 05/06/11
Collection Date: 03/12/11
Date Received: 03/16/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|------|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | 109 | pCi/L | | 0.8 | | E909.0 | 04/15/11 09:52 / jb |
| Lead 210 precision (±) | 1.5 | pCi/L | | | | E909.0 | 04/15/11 09:52 / jb |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 04/15/11 09:52 / jb |
| Polonium 210 | 8.3 | pCi/L | | 0.8 | | E912.0 | 03/22/11 13:15 / ep |
| Polonium 210 precision (±) | 2.5 | pCi/L | | | | E912.0 | 03/22/11 13:15 / ep |
| Polonium 210 MDC | 0.8 | pCi/L | | | | E912.0 | 03/22/11 13:15 / ep |
| Radium 226 | 16 | pCi/L | | 0.15 | | E903.0 | 03/29/11 12:24 / trs |
| Radium 226 precision (±) | 0.83 | pCi/L | | | | E903.0 | 03/29/11 12:24 / trs |
| Radium 226 MDC | 0.15 | pCi/L | | | | E903.0 | 03/29/11 12:24 / trs |
| Thorium 230 | 1.7 | pCi/L | | 0.1 | | E908.0 | 03/31/11 16:17 / dmf |
| Thorium 230 precision (±) | 0.4 | pCi/L | | | | E908.0 | 03/31/11 16:17 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 03/31/11 16:17 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | 103 | pCi/L | | 0.9 | | E909.0 | 04/29/11 11:46 / eli-cs |
| Lead 210 precision (±) | 1.4 | pCi/L | | | | E909.0 | 04/29/11 11:46 / eli-cs |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 04/29/11 11:46 / eli-cs |
| Polonium 210 | 12.8 | pCi/L | | 0.6 | | E912.0 | 03/23/11 09:05 / ep |
| Polonium 210 precision (±) | 4.8 | pCi/L | | | | E912.0 | 03/23/11 09:05 / ep |
| Polonium 210 MDC | 0.6 | pCi/L | | | | E912.0 | 03/23/11 09:05 / ep |
| Radium 226 | 30 | pCi/L | | 0.14 | | E903.0 | 03/28/11 21:54 / trs |
| Radium 226 precision (±) | 1.1 | pCi/L | | | | E903.0 | 03/28/11 21:54 / trs |
| Radium 226 MDC | 0.14 | pCi/L | | | | E903.0 | 03/28/11 21:54 / trs |
| Thorium 230 | 11.6 | pCi/L | | 0.1 | | E908.0 | 03/30/11 11:20 / dmf |
| Thorium 230 precision (±) | 1.9 | pCi/L | | | | E908.0 | 03/30/11 11:20 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 03/30/11 11:20 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 1.46 | % | | | | Calculation | 04/07/11 10:20 / kbh |
| Anions | 14.6 | meq/L | | | | Calculation | 04/07/11 10:20 / kbh |
| Cations | 15.0 | meq/L | | | | Calculation | 04/07/11 10:20 / kbh |
| Solids, Total Dissolved Calculated | 854 | mg/L | | | | Calculation | 04/07/11 10:20 / kbh |
| TDS Balance (0.80 - 1.20) | 0.990 | | | | | Calculation | 04/07/11 10:20 / kbh |

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland G-8 Samples
Lab ID: C11030468-002
Client Sample ID: Monitor 2

Report Date: 05/06/11
Collection Date: 03/12/11
Date Received: 03/16/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 408 | mg/L | | 1 | | A2320 B | 03/16/11 21:52 / jba |
| Carbonate as CO ₃ | 15 | mg/L | | 1 | | A2320 B | 03/16/11 21:52 / jba |
| Bicarbonate as HCO ₃ | 469 | mg/L | | 1 | | A2320 B | 03/16/11 21:52 / jba |
| Calcium | 4 | mg/L | | 1 | | E200.7 | 03/29/11 14:48 / cp |
| Chloride | 169 | mg/L | | 1 | | E300.0 | 03/18/11 00:06 / ljl |
| Fluoride | 0.6 | mg/L | | 0.1 | | A4500-F C | 03/17/11 11:56 / jba |
| Magnesium | ND | mg/L | | 1 | | E200.7 | 03/29/11 14:48 / cp |
| Nitrogen, Ammonia as N | 0.21 | mg/L | | 0.05 | | A4500-NH ₃ G | 03/18/11 15:13 / dc |
| Nitrogen, Nitrate+Nitrite as N | ND | mg/L | | 0.1 | | E353.2 | 03/16/11 16:29 / dc |
| Potassium | 8 | mg/L | | 1 | | E200.7 | 03/29/11 14:48 / cp |
| Silica | 17.9 | mg/L | | 0.2 | | E200.7 | 03/29/11 14:48 / cp |
| Sodium | 308 | mg/L | | 1 | | E200.7 | 03/29/11 14:48 / cp |
| Sulfate | 58 | mg/L | D | 4 | | E300.0 | 03/18/11 00:06 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 1410 | umhos/cm | | 1 | | A2510 B | 03/16/11 13:59 / lmc |
| pH | 8.30 | s.u. | | 0.01 | | A4500-H B | 03/16/11 13:59 / lmc |
| Solids, Total Dissolved TDS @ 180 C | 845 | mg/L | | 10 | | A2540 C | 03/17/11 13:34 / lmc |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | 0.1 | mg/L | | 0.1 | | E200.7 | 03/29/11 14:48 / cp |
| Arsenic | 0.003 | mg/L | | 0.001 | | E200.8 | 03/23/11 19:27 / sml |
| Barium | ND | mg/L | | 0.1 | | E200.8 | 03/23/11 19:27 / sml |
| Boron | 1.5 | mg/L | | 0.1 | | E200.7 | 03/29/11 14:48 / cp |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 03/23/11 19:27 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 03/23/11 19:27 / sml |
| Copper | ND | mg/L | | 0.01 | | E200.7 | 03/29/11 14:48 / cp |
| Iron | 0.11 | mg/L | | 0.03 | | E200.7 | 03/29/11 14:48 / cp |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 03/23/11 19:27 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 03/23/11 19:27 / sml |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 03/23/11 19:27 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.7 | 03/29/11 14:48 / cp |
| Nickel | ND | mg/L | | 0.05 | | E200.7 | 03/29/11 14:48 / cp |
| Selenium | 0.002 | mg/L | | 0.001 | | E200.8 | 03/23/11 19:27 / sml |
| Uranium | 0.0032 | mg/L | | 0.0003 | | E200.8 | 03/23/11 19:27 / sml |
| Uranium, Activity | 2.2E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 03/23/11 19:27 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 03/23/11 19:27 / sml |
| Zinc | 0.01 | mg/L | | 0.01 | | E200.7 | 03/29/11 14:48 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | 0.0012 | mg/L | | 0.0003 | | E200.8 | 03/19/11 03:11 / sml |
| Uranium, Activity | 8.3E-10 | uCi/mL | | 2.0E-10 | | E200.8 | 03/19/11 03:11 / sml |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland G-8 Samples
Lab ID: C11030468-002
Client Sample ID: Monitor 2

Report Date: 05/06/11
Collection Date: 03/12/11
Date Received: 03/16/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|------|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | 3.9 | pCi/L | | 0.9 | | E909.0 | 04/15/11 12:04 / jb |
| Lead 210 precision (±) | 0.6 | pCi/L | | | | E909.0 | 04/15/11 12:04 / jb |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 04/15/11 12:04 / jb |
| Polonium 210 | <0.7 | pCi/L | U | 0.7 | | E912.0 | 03/22/11 13:15 / ep |
| Polonium 210 precision (±) | 0.5 | pCi/L | | | | E912.0 | 03/22/11 13:15 / ep |
| Polonium 210 MDC | 0.7 | pCi/L | | | | E912.0 | 03/22/11 13:15 / ep |
| Radium 226 | 1.0 | pCi/L | | 0.10 | | E903.0 | 03/29/11 14:26 / trs |
| Radium 226 precision (±) | 0.18 | pCi/L | | | | E903.0 | 03/29/11 14:26 / trs |
| Radium 226 MDC | 0.10 | pCi/L | | | | E903.0 | 03/29/11 14:26 / trs |
| Thorium 230 | 0.2 | pCi/L | | 0.1 | | E908.0 | 03/31/11 16:17 / dmf |
| Thorium 230 precision (±) | 0.1 | pCi/L | | | | E908.0 | 03/31/11 16:17 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 03/31/11 16:17 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.9 | pCi/L | U | 0.9 | | E909.0 | 04/29/11 13:58 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 04/29/11 13:58 / eli-cs |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 04/29/11 13:58 / eli-cs |
| Polonium 210 | 0.4 | pCi/L | | 0.2 | | E912.0 | 03/23/11 09:05 / ep |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 03/23/11 09:05 / ep |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 03/23/11 09:05 / ep |
| Radium 226 | 1.1 | pCi/L | | 0.12 | | E903.0 | 03/28/11 21:54 / trs |
| Radium 226 precision (±) | 0.20 | pCi/L | | | | E903.0 | 03/28/11 21:54 / trs |
| Radium 226 MDC | 0.12 | pCi/L | | | | E903.0 | 03/28/11 21:54 / trs |
| Thorium 230 | 0.3 | pCi/L | | 0.07 | | E908.0 | 03/30/11 11:20 / dmf |
| Thorium 230 precision (±) | 0.1 | pCi/L | | | | E908.0 | 03/30/11 11:20 / dmf |
| Thorium 230 MDC | 0.07 | pCi/L | | | | E908.0 | 03/30/11 11:20 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | -1.00 | % | | | | Calculation | 04/07/11 10:21 / kbh |
| Anions | 14.2 | meq/L | | | | Calculation | 04/07/11 10:21 / kbh |
| Cations | 13.9 | meq/L | | | | Calculation | 04/07/11 10:21 / kbh |
| Solids, Total Dissolved Calculated | 816 | mg/L | | | | Calculation | 04/07/11 10:21 / kbh |
| TDS Balance (0.80 - 1.20) | 1.04 | | | | | Calculation | 04/07/11 10:21 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland G-8 Samples
Lab ID: C11030468-003
Client Sample ID: Monitor 4A

Report Date: 05/06/11
Collection Date: 03/12/11
Date Received: 03/16/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 352 | mg/L | | 1 | | A2320 B | 03/16/11 22:01 / jba |
| Carbonate as CO ₃ | 28 | mg/L | | 1 | | A2320 B | 03/16/11 22:01 / jba |
| Bicarbonate as HCO ₃ | 374 | mg/L | | 1 | | A2320 B | 03/16/11 22:01 / jba |
| Calcium | 3 | mg/L | | 1 | | E200.7 | 03/29/11 14:56 / cp |
| Chloride | 284 | mg/L | D | 2 | | E300.0 | 03/22/11 15:04 / ljl |
| Fluoride | 0.8 | mg/L | | 0.1 | | A4500-F C | 03/17/11 12:05 / jba |
| Magnesium | ND | mg/L | | 1 | | E200.7 | 03/29/11 14:56 / cp |
| Nitrogen, Ammonia as N | 0.24 | mg/L | | 0.05 | | A4500-NH ₃ G | 03/18/11 15:15 / dc |
| Nitrogen, Nitrate+Nitrite as N | ND | mg/L | | 0.1 | | E353.2 | 03/16/11 16:31 / dc |
| Potassium | 17 | mg/L | | 1 | | E200.7 | 03/29/11 14:56 / cp |
| Silica | 18.4 | mg/L | | 0.2 | | E200.7 | 03/29/11 14:56 / cp |
| Sodium | 394 | mg/L | | 1 | | E200.7 | 03/29/11 14:56 / cp |
| Sulfate | 113 | mg/L | D | 4 | | E300.0 | 03/18/11 00:22 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 1760 | umhos/cm | | 1 | | A2510 B | 03/16/11 14:01 / lmc |
| pH | 8.92 | s.u. | | 0.01 | | A4500-H B | 03/16/11 14:01 / lmc |
| Solids, Total Dissolved TDS @ 180 C | 1020 | mg/L | | 10 | | A2540 C | 03/17/11 13:34 / lmc |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.8 | 03/23/11 21:44 / sml |
| Arsenic | 0.006 | mg/L | | 0.001 | | E200.8 | 03/23/11 21:44 / sml |
| Barium | ND | mg/L | | 0.1 | | E200.8 | 03/23/11 21:44 / sml |
| Boron | 1.2 | mg/L | | 0.1 | | E200.7 | 03/29/11 14:56 / cp |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 03/23/11 21:44 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 03/23/11 21:44 / sml |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 03/23/11 21:44 / sml |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 03/29/11 14:56 / cp |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 03/23/11 21:44 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 03/23/11 21:44 / sml |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 03/23/11 21:44 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 03/23/11 21:44 / sml |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 03/23/11 21:44 / sml |
| Selenium | 0.002 | mg/L | | 0.001 | | E200.8 | 03/23/11 21:44 / sml |
| Uranium | 0.0840 | mg/L | | 0.0003 | | E200.8 | 03/23/11 21:44 / sml |
| Uranium, Activity | 5.7E-08 | uCi/mL | | 2.0E-10 | | E200.8 | 03/23/11 21:44 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 03/23/11 21:44 / sml |
| Zinc | ND | mg/L | | 0.01 | | E200.8 | 03/23/11 21:44 / sml |
| METALS - SUSPENDED | | | | | | | |
| Uranium | 0.0013 | mg/L | | 0.0003 | | E200.8 | 03/19/11 03:16 / sml |
| Uranium, Activity | 8.9E-10 | uCi/mL | | 2.0E-10 | | E200.8 | 03/19/11 03:16 / sml |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland G-8 Samples
Lab ID: C11030468-003
Client Sample ID: Monitor 4A

Report Date: 05/06/11
Collection Date: 03/12/11
Date Received: 03/16/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|------|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | 326 | pCi/L | | 0.8 | | E909.0 | 04/15/11 14:15 / jb |
| Lead 210 precision (±) | 2.5 | pCi/L | | | | E909.0 | 04/15/11 14:15 / jb |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 04/15/11 14:15 / jb |
| Polonium 210 | 145 | pCi/L | | 1.3 | | E912.0 | 03/22/11 13:15 / ep |
| Polonium 210 precision (±) | 46.1 | pCi/L | | | | E912.0 | 03/22/11 13:15 / ep |
| Polonium 210 MDC | 1.3 | pCi/L | | | | E912.0 | 03/22/11 13:15 / ep |
| Radium 226 | 240 | pCi/L | | 0.15 | | E903.0 | 03/29/11 14:26 / trs |
| Radium 226 precision (±) | 3.2 | pCi/L | | | | E903.0 | 03/29/11 14:26 / trs |
| Radium 226 MDC | 0.15 | pCi/L | | | | E903.0 | 03/29/11 14:26 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 03/31/11 16:17 / dmf |
| Thorium 230 precision (±) | 0.1 | pCi/L | | | | E908.0 | 03/31/11 16:17 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 03/31/11 16:17 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | 62.1 | pCi/L | | 0.9 | | E909.0 | 04/29/11 16:09 / eli-cs |
| Lead 210 precision (±) | 1.2 | pCi/L | | | | E909.0 | 04/29/11 16:09 / eli-cs |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 04/29/11 16:09 / eli-cs |
| Polonium 210 | 9.1 | pCi/L | | 0.4 | | E912.0 | 03/23/11 09:05 / ep |
| Polonium 210 precision (±) | 3.0 | pCi/L | | | | E912.0 | 03/23/11 09:05 / ep |
| Polonium 210 MDC | 0.4 | pCi/L | | | | E912.0 | 03/23/11 09:05 / ep |
| Radium 226 | 0.77 | pCi/L | | 0.12 | | E903.0 | 03/28/11 21:54 / trs |
| Radium 226 precision (±) | 0.17 | pCi/L | | | | E903.0 | 03/28/11 21:54 / trs |
| Radium 226 MDC | 0.12 | pCi/L | | | | E903.0 | 03/28/11 21:54 / trs |
| Thorium 230 | 0.6 | pCi/L | | 0.09 | | E908.0 | 03/30/11 11:20 / dmf |
| Thorium 230 precision (±) | 0.2 | pCi/L | | | | E908.0 | 03/30/11 11:20 / dmf |
| Thorium 230 MDC | 0.09 | pCi/L | | | | E908.0 | 03/30/11 11:20 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 1.04 | % | | | | Calculation | 04/07/11 10:21 / kbh |
| Anions | 17.4 | meq/L | | | | Calculation | 04/07/11 10:21 / kbh |
| Cations | 17.8 | meq/L | | | | Calculation | 04/07/11 10:21 / kbh |
| Solids, Total Dissolved Calculated | 1050 | mg/L | | | | Calculation | 04/07/11 10:21 / kbh |
| TDS Balance (0.80 - 1.20) | 0.970 | | | | | Calculation | 04/07/11 10:21 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland G-8 Samples
Lab ID: C11030468-004
Client Sample ID: Monitor 5

Report Date: 05/06/11
Collection Date: 03/12/11
Date Received: 03/16/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 318 | mg/L | | 1 | | A2320 B | 03/16/11 22:09 / jba |
| Carbonate as CO ₃ | 115 | mg/L | | 1 | | A2320 B | 03/16/11 22:09 / jba |
| Bicarbonate as HCO ₃ | 155 | mg/L | | 1 | | A2320 B | 03/16/11 22:09 / jba |
| Calcium | 5 | mg/L | | 1 | | E200.7 | 03/29/11 15:16 / cp |
| Chloride | 369 | mg/L | D | 4 | | E300.0 | 03/22/11 15:50 / ljl |
| Fluoride | 0.9 | mg/L | | 0.1 | | A4500-F C | 03/17/11 12:08 / jba |
| Magnesium | ND | mg/L | | 1 | | E200.7 | 03/29/11 15:16 / cp |
| Nitrogen, Ammonia as N | 0.50 | mg/L | | 0.05 | | A4500-NH ₃ G | 03/18/11 15:23 / dc |
| Nitrogen, Nitrate+Nitrite as N | ND | mg/L | | 0.1 | | E353.2 | 03/16/11 16:34 / dc |
| Potassium | 41 | mg/L | | 1 | | E200.7 | 03/29/11 15:16 / cp |
| Silica | 30.0 | mg/L | | 0.2 | | E200.7 | 03/29/11 15:16 / cp |
| Sodium | 519 | mg/L | | 1 | | E200.7 | 03/29/11 15:16 / cp |
| Sulfate | 308 | mg/L | D | 4 | | E300.0 | 03/18/11 00:37 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 2400 | umhos/cm | | 1 | | A2510 B | 03/16/11 14:02 / lmc |
| pH | 9.92 | s.u. | | 0.01 | | A4500-H B | 03/16/11 14:02 / lmc |
| Solids, Total Dissolved TDS @ 180 C | 1420 | mg/L | | 10 | | A2540 C | 03/17/11 13:35 / lmc |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | 0.4 | mg/L | | 0.1 | | E200.8 | 03/23/11 21:50 / sml |
| Arsenic | 0.002 | mg/L | | 0.001 | | E200.8 | 03/23/11 21:50 / sml |
| Barium | ND | mg/L | | 0.1 | | E200.8 | 03/23/11 21:50 / sml |
| Boron | 1.2 | mg/L | | 0.1 | | E200.7 | 03/29/11 15:16 / cp |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 03/23/11 21:50 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 03/23/11 21:50 / sml |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 03/23/11 21:50 / sml |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 03/29/11 15:16 / cp |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 03/23/11 21:50 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 03/23/11 21:50 / sml |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 03/23/11 21:50 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 03/23/11 21:50 / sml |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 03/23/11 21:50 / sml |
| Selenium | 0.003 | mg/L | | 0.001 | | E200.8 | 03/23/11 21:50 / sml |
| Uranium | 0.0006 | mg/L | | 0.0003 | | E200.8 | 03/23/11 21:50 / sml |
| Uranium, Activity | 4.3E-10 | uCi/mL | | 2.0E-10 | | E200.8 | 03/23/11 21:50 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 03/23/11 21:50 / sml |
| Zinc | ND | mg/L | | 0.01 | | E200.8 | 03/23/11 21:50 / sml |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 03/19/11 03:20 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 03/19/11 03:20 / sml |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland G-8 Samples
Lab ID: C11030468-004
Client Sample ID: Monitor 5

Report Date: 05/06/11
Collection Date: 03/12/11
Date Received: 03/16/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|------|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | 1.1 | pCi/L | | 0.9 | | E909.0 | 04/15/11 16:26 / jb |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 04/15/11 16:26 / jb |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 04/15/11 16:26 / jb |
| Polonium 210 | <0.6 | pCi/L | U | 0.6 | | E912.0 | 03/22/11 13:15 / ep |
| Polonium 210 precision (±) | 0.5 | pCi/L | | | | E912.0 | 03/22/11 13:15 / ep |
| Polonium 210 MDC | 0.6 | pCi/L | | | | E912.0 | 03/22/11 13:15 / ep |
| Radium 226 | 0.35 | pCi/L | | 0.13 | | E903.0 | 03/29/11 14:26 / trs |
| Radium 226 precision (±) | 0.14 | pCi/L | | | | E903.0 | 03/29/11 14:26 / trs |
| Radium 226 MDC | 0.13 | pCi/L | | | | E903.0 | 03/29/11 14:26 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 03/31/11 16:17 / dmf |
| Thorium 230 precision (±) | 0.1 | pCi/L | | | | E908.0 | 03/31/11 16:17 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 03/31/11 16:17 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.9 | pCi/L | U | 0.9 | | E909.0 | 04/29/11 18:21 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 04/29/11 18:21 / eli-cs |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 04/29/11 18:21 / eli-cs |
| Polonium 210 | <0.3 | pCi/L | U | 0.3 | | E912.0 | 03/23/11 09:05 / ep |
| Polonium 210 precision (±) | 0.1 | pCi/L | | | | E912.0 | 03/23/11 09:05 / ep |
| Polonium 210 MDC | 0.3 | pCi/L | | | | E912.0 | 03/23/11 09:05 / ep |
| Radium 226 | <0.12 | pCi/L | U | 0.12 | | E903.0 | 03/28/11 21:54 / trs |
| Radium 226 precision (±) | 0.05 | pCi/L | | | | E903.0 | 03/28/11 21:54 / trs |
| Radium 226 MDC | 0.12 | pCi/L | | | | E903.0 | 03/28/11 21:54 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 03/30/11 16:22 / dmf |
| Thorium 230 precision (±) | 0.09 | pCi/L | | | | E908.0 | 03/30/11 16:22 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 03/30/11 16:22 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 1.50 | % | | | | Calculation | 04/07/11 10:21 / kbh |
| Anions | 23.2 | meq/L | | | | Calculation | 04/07/11 10:21 / kbh |
| Cations | 23.9 | meq/L | | | | Calculation | 04/07/11 10:21 / kbh |
| Solids, Total Dissolved Calculated | 1470 | mg/L | | | | Calculation | 04/07/11 10:21 / kbh |
| TDS Balance (0.80 - 1.20) | 0.970 | | | | | Calculation | 04/07/11 10:21 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland G-8 Samples
Lab ID: C11030468-005
Client Sample ID: Monitor 6

Report Date: 05/06/11
Collection Date: 03/12/11
Date Received: 03/16/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 370 | mg/L | | 1 | | A2320 B | 03/16/11 22:18 / jba |
| Carbonate as CO ₃ | 68 | mg/L | | 1 | | A2320 B | 03/16/11 22:18 / jba |
| Bicarbonate as HCO ₃ | 313 | mg/L | | 1 | | A2320 B | 03/16/11 22:18 / jba |
| Calcium | 7 | mg/L | | 1 | | E200.7 | 03/29/11 15:20 / cp |
| Chloride | 492 | mg/L | D | 4 | | E300.0 | 03/22/11 16:06 / ljl |
| Fluoride | 0.9 | mg/L | | 0.1 | | A4500-F C | 03/17/11 12:10 / jba |
| Magnesium | ND | mg/L | | 1 | | E200.7 | 03/29/11 15:20 / cp |
| Nitrogen, Ammonia as N | 0.42 | mg/L | | 0.05 | | A4500-NH ₃ G | 03/18/11 15:25 / dc |
| Nitrogen, Nitrate+Nitrite as N | ND | mg/L | | 0.1 | | E353.2 | 03/16/11 16:36 / dc |
| Potassium | 29 | mg/L | | 1 | | E200.7 | 03/29/11 15:20 / cp |
| Silica | 21.7 | mg/L | | 0.2 | | E200.7 | 03/29/11 15:20 / cp |
| Sodium | 499 | mg/L | | 1 | | E200.7 | 03/29/11 15:20 / cp |
| Sulfate | 59 | mg/L | D | 4 | | E300.0 | 03/18/11 00:52 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 2290 | umhos/cm | | 1 | | A2510 B | 03/16/11 14:04 / lmc |
| pH | 9.32 | s.u. | | 0.01 | | A4500-H B | 03/16/11 14:04 / lmc |
| Solids, Total Dissolved TDS @ 180 C | 1290 | mg/L | | 10 | | A2540 C | 03/17/11 13:35 / lmc |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | 0.2 | mg/L | | 0.1 | | E200.8 | 03/23/11 21:57 / sml |
| Arsenic | 0.002 | mg/L | | 0.001 | | E200.8 | 03/23/11 21:57 / sml |
| Barium | 0.1 | mg/L | | 0.1 | | E200.8 | 03/23/11 21:57 / sml |
| Boron | 1.3 | mg/L | | 0.1 | | E200.7 | 03/29/11 15:20 / cp |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 03/23/11 21:57 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 03/23/11 21:57 / sml |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 03/23/11 21:57 / sml |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 03/29/11 15:20 / cp |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 03/23/11 21:57 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 03/23/11 21:57 / sml |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 03/23/11 21:57 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 03/23/11 21:57 / sml |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 03/23/11 21:57 / sml |
| Selenium | 0.003 | mg/L | | 0.001 | | E200.8 | 03/23/11 21:57 / sml |
| Uranium | 0.0027 | mg/L | | 0.0003 | | E200.8 | 03/23/11 21:57 / sml |
| Uranium, Activity | 1.8E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 03/23/11 21:57 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 03/23/11 21:57 / sml |
| Zinc | ND | mg/L | | 0.01 | | E200.8 | 03/23/11 21:57 / sml |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 03/19/11 03:24 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 03/19/11 03:24 / sml |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland G-8 Samples
Lab ID: C11030468-005
Client Sample ID: Monitor 6

Report Date: 05/06/11
Collection Date: 03/12/11
Date Received: 03/16/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|------|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | 1.0 | pCi/L | | 0.8 | | E909.0 | 04/15/11 18:38 / jb |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 04/15/11 18:38 / jb |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 04/15/11 18:38 / jb |
| Polonium 210 | 0.9 | pCi/L | | 0.7 | | E912.0 | 03/22/11 13:15 / ep |
| Polonium 210 precision (±) | 0.7 | pCi/L | | | | E912.0 | 03/22/11 13:15 / ep |
| Polonium 210 MDC | 0.7 | pCi/L | | | | E912.0 | 03/22/11 13:15 / ep |
| Radium 226 | 2.4 | pCi/L | | 0.13 | | E903.0 | 03/29/11 14:26 / trs |
| Radium 226 precision (±) | 0.31 | pCi/L | | | | E903.0 | 03/29/11 14:26 / trs |
| Radium 226 MDC | 0.13 | pCi/L | | | | E903.0 | 03/29/11 14:26 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 03/31/11 16:17 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 03/31/11 16:17 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 03/31/11 16:17 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.9 | pCi/L | U | 0.9 | | E909.0 | 04/29/11 20:32 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 04/29/11 20:32 / eli-cs |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 04/29/11 20:32 / eli-cs |
| Polonium 210 | <0.2 | pCi/L | U | 0.2 | | E912.0 | 03/23/11 09:05 / ep |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 03/23/11 09:05 / ep |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 03/23/11 09:05 / ep |
| Radium 226 | <0.12 | pCi/L | U | 0.12 | | E903.0 | 03/29/11 00:38 / trs |
| Radium 226 precision (±) | 0.05 | pCi/L | | | | E903.0 | 03/29/11 00:38 / trs |
| Radium 226 MDC | 0.12 | pCi/L | | | | E903.0 | 03/29/11 00:38 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 03/30/11 16:22 / dmf |
| Thorium 230 precision (±) | 0.09 | pCi/L | | | | E908.0 | 03/30/11 16:22 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 03/30/11 16:22 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 0.720 | % | | | | Calculation | 04/07/11 10:21 / kbh |
| Anions | 22.6 | meq/L | | | | Calculation | 04/07/11 10:21 / kbh |
| Cations | 22.9 | meq/L | | | | Calculation | 04/07/11 10:21 / kbh |
| Solids, Total Dissolved Calculated | 1340 | mg/L | | | | Calculation | 04/07/11 10:21 / kbh |
| TDS Balance (0.80 - 1.20) | 0.960 | | | | | Calculation | 04/07/11 10:21 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland G-8 Samples
Lab ID: C11030468-006
Client Sample ID: Monitor 7

Report Date: 05/06/11
Collection Date: 03/12/11
Date Received: 03/16/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 253 | mg/L | | 1 | | A2320 B | 03/16/11 22:27 / jba |
| Carbonate as CO ₃ | 36 | mg/L | | 1 | | A2320 B | 03/16/11 22:27 / jba |
| Bicarbonate as HCO ₃ | 237 | mg/L | | 1 | | A2320 B | 03/16/11 22:27 / jba |
| Calcium | 8 | mg/L | | 1 | | E200.7 | 03/29/11 15:24 / cp |
| Chloride | 400 | mg/L | D | 4 | | E300.0 | 03/22/11 16:21 / ljl |
| Fluoride | 0.8 | mg/L | | 0.1 | | A4500-F C | 03/17/11 12:13 / jba |
| Magnesium | ND | mg/L | | 1 | | E200.7 | 03/29/11 15:24 / cp |
| Nitrogen, Ammonia as N | 0.21 | mg/L | | 0.05 | | A4500-NH ₃ G | 03/18/11 15:27 / dc |
| Nitrogen, Nitrate+Nitrite as N | ND | mg/L | | 0.1 | | E353.2 | 03/16/11 16:44 / dc |
| Potassium | 19 | mg/L | | 1 | | E200.7 | 03/29/11 15:24 / cp |
| Silica | 18.9 | mg/L | | 0.2 | | E200.7 | 03/29/11 15:24 / cp |
| Sodium | 501 | mg/L | | 1 | | E200.7 | 03/29/11 15:24 / cp |
| Sulfate | 295 | mg/L | D | 4 | | E300.0 | 03/18/11 01:08 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 2310 | umhos/cm | | 1 | | A2510 B | 03/16/11 14:05 / lmc |
| pH | 9.19 | s.u. | | 0.01 | | A4500-H B | 03/16/11 14:05 / lmc |
| Solids, Total Dissolved TDS @ 180 C | 1380 | mg/L | | 10 | | A2540 C | 03/17/11 13:36 / lmc |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | 0.1 | mg/L | | 0.1 | | E200.8 | 03/23/11 22:04 / sml |
| Arsenic | 0.002 | mg/L | | 0.001 | | E200.8 | 03/23/11 22:04 / sml |
| Barium | ND | mg/L | | 0.1 | | E200.8 | 03/23/11 22:04 / sml |
| Boron | 1.2 | mg/L | | 0.1 | | E200.7 | 03/29/11 15:24 / cp |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 03/23/11 22:04 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 03/23/11 22:04 / sml |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 03/23/11 22:04 / sml |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 03/29/11 15:24 / cp |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 03/23/11 22:04 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 03/23/11 22:04 / sml |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 03/23/11 22:04 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 03/23/11 22:04 / sml |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 03/23/11 22:04 / sml |
| Selenium | 0.002 | mg/L | | 0.001 | | E200.8 | 03/23/11 22:04 / sml |
| Uranium | 0.0008 | mg/L | | 0.0003 | | E200.8 | 03/23/11 22:04 / sml |
| Uranium, Activity | 5.3E-10 | uCi/mL | | 2.0E-10 | | E200.8 | 03/23/11 22:04 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 03/23/11 22:04 / sml |
| Zinc | ND | mg/L | | 0.01 | | E200.8 | 03/23/11 22:04 / sml |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 03/19/11 03:28 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 03/19/11 03:28 / sml |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland G-8 Samples
Lab ID: C11030468-006
Client Sample ID: Monitor 7

Report Date: 05/06/11
Collection Date: 03/12/11
Date Received: 03/16/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|------|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.9 | pCi/L | U | 0.9 | | E909.0 | 04/15/11 20:49 / jb |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 04/15/11 20:49 / jb |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 04/15/11 20:49 / jb |
| Polonium 210 | <0.9 | pCi/L | U | 0.9 | | E912.0 | 03/22/11 13:15 / ep |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 03/22/11 13:15 / ep |
| Polonium 210 MDC | 0.9 | pCi/L | | | | E912.0 | 03/22/11 13:15 / ep |
| Radium 226 | 0.79 | pCi/L | | 0.14 | | E903.0 | 03/29/11 14:26 / trs |
| Radium 226 precision (±) | 0.19 | pCi/L | | | | E903.0 | 03/29/11 14:26 / trs |
| Radium 226 MDC | 0.14 | pCi/L | | | | E903.0 | 03/29/11 14:26 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 03/31/11 16:17 / dmf |
| Thorium 230 precision (±) | 0.08 | pCi/L | | | | E908.0 | 03/31/11 16:17 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 03/31/11 16:17 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.9 | pCi/L | U | 0.9 | | E909.0 | 04/29/11 22:44 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 04/29/11 22:44 / eli-cs |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 04/29/11 22:44 / eli-cs |
| Polonium 210 | <0.3 | pCi/L | U | 0.3 | | E912.0 | 03/23/11 09:05 / ep |
| Polonium 210 precision (±) | 0.1 | pCi/L | | | | E912.0 | 03/23/11 09:05 / ep |
| Polonium 210 MDC | 0.3 | pCi/L | | | | E912.0 | 03/23/11 09:05 / ep |
| Radium 226 | <0.13 | pCi/L | U | 0.13 | | E903.0 | 03/29/11 00:38 / trs |
| Radium 226 precision (±) | 0.08 | pCi/L | | | | E903.0 | 03/29/11 00:38 / trs |
| Radium 226 MDC | 0.13 | pCi/L | | | | E903.0 | 03/29/11 00:38 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 03/30/11 16:22 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 03/30/11 16:22 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 03/30/11 16:22 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 0.568 | % | | | | Calculation | 04/07/11 10:22 / kbh |
| Anions | 22.5 | meq/L | | | | Calculation | 04/07/11 10:22 / kbh |
| Cations | 22.8 | meq/L | | | | Calculation | 04/07/11 10:22 / kbh |
| Solids, Total Dissolved Calculated | 1400 | mg/L | | | | Calculation | 04/07/11 10:22 / kbh |
| TDS Balance (0.80 - 1.20) | 0.990 | | | | | Calculation | 04/07/11 10:22 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland G-8 Samples
Lab ID: C11030468-007
Client Sample ID: Monitor 8

Report Date: 05/06/11
Collection Date: 03/12/11
Date Received: 03/16/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 296 | mg/L | | 1 | | A2320 B | 03/16/11 22:35 / jba |
| Carbonate as CO ₃ | 30 | mg/L | | 1 | | A2320 B | 03/16/11 22:35 / jba |
| Bicarbonate as HCO ₃ | 301 | mg/L | | 1 | | A2320 B | 03/16/11 22:35 / jba |
| Calcium | 10 | mg/L | | 1 | | E200.7 | 03/29/11 15:28 / cp |
| Chloride | 262 | mg/L | D | 2 | | E300.0 | 03/22/11 16:37 / ljl |
| Fluoride | 0.7 | mg/L | | 0.1 | | A4500-F C | 03/17/11 12:16 / jba |
| Magnesium | 2 | mg/L | | 1 | | E200.7 | 03/29/11 15:28 / cp |
| Nitrogen, Ammonia as N | 0.31 | mg/L | | 0.05 | | A4500-NH ₃ G | 03/18/11 15:29 / dc |
| Nitrogen, Nitrate+Nitrite as N | ND | mg/L | | 0.1 | | E353.2 | 03/16/11 16:46 / dc |
| Potassium | 20 | mg/L | | 1 | | E200.7 | 03/29/11 15:28 / cp |
| Silica | 21.0 | mg/L | | 0.2 | | E200.7 | 03/29/11 15:28 / cp |
| Sodium | 482 | mg/L | | 1 | | E200.7 | 03/29/11 15:28 / cp |
| Sulfate | 389 | mg/L | D | 4 | | E300.0 | 03/18/11 09:19 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 2140 | umhos/cm | | 1 | | A2510 B | 03/17/11 09:41 / lmc |
| pH | 9.05 | s.u. | | 0.01 | | A4500-H B | 03/17/11 09:41 / lmc |
| Solids, Total Dissolved TDS @ 180 C | 1330 | mg/L | | 10 | | A2540 C | 03/17/11 13:37 / lmc |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.8 | 03/23/11 22:11 / sml |
| Arsenic | 0.002 | mg/L | | 0.001 | | E200.8 | 03/23/11 22:11 / sml |
| Barium | ND | mg/L | | 0.1 | | E200.8 | 03/23/11 22:11 / sml |
| Boron | 1.3 | mg/L | | 0.1 | | E200.7 | 03/29/11 15:28 / cp |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 03/23/11 22:11 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 03/23/11 22:11 / sml |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 03/23/11 22:11 / sml |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 03/29/11 15:28 / cp |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 03/23/11 22:11 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 03/23/11 22:11 / sml |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 03/23/11 22:11 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 03/23/11 22:11 / sml |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 03/23/11 22:11 / sml |
| Selenium | 0.003 | mg/L | | 0.001 | | E200.8 | 03/23/11 22:11 / sml |
| Uranium | 0.0007 | mg/L | | 0.0003 | | E200.8 | 03/23/11 22:11 / sml |
| Uranium, Activity | 4.8E-10 | uCi/mL | | 2.0E-10 | | E200.8 | 03/23/11 22:11 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 03/23/11 22:11 / sml |
| Zinc | ND | mg/L | | 0.01 | | E200.8 | 03/23/11 22:11 / sml |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 03/19/11 03:49 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 03/19/11 03:49 / sml |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland G-8 Samples
Lab ID: C11030468-007
Client Sample ID: Monitor 8

Report Date: 05/06/11
Collection Date: 03/12/11
Date Received: 03/16/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|------|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | 1.0 | pCi/L | | 0.8 | | E909.0 | 04/15/11 23:01 / jb |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 04/15/11 23:01 / jb |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 04/15/11 23:01 / jb |
| Polonium 210 | <0.7 | pCi/L | U | 0.7 | | E912.0 | 03/22/11 13:15 / ep |
| Polonium 210 precision (±) | 0.5 | pCi/L | | | | E912.0 | 03/22/11 13:15 / ep |
| Polonium 210 MDC | 0.7 | pCi/L | | | | E912.0 | 03/22/11 13:15 / ep |
| Radium 226 | 0.50 | pCi/L | | 0.14 | | E903.0 | 03/29/11 14:26 / trs |
| Radium 226 precision (±) | 0.16 | pCi/L | | | | E903.0 | 03/29/11 14:26 / trs |
| Radium 226 MDC | 0.14 | pCi/L | | | | E903.0 | 03/29/11 14:26 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 03/31/11 16:17 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 03/31/11 16:17 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 03/31/11 16:17 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 04/30/11 00:55 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 04/30/11 00:55 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 04/30/11 00:55 / eli-cs |
| Polonium 210 | <0.2 | pCi/L | U | 0.2 | | E912.0 | 03/23/11 09:05 / ep |
| Polonium 210 precision (±) | 0.1 | pCi/L | | | | E912.0 | 03/23/11 09:05 / ep |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 03/23/11 09:05 / ep |
| Radium 226 | <0.13 | pCi/L | U | 0.13 | | E903.0 | 03/29/11 00:38 / trs |
| Radium 226 precision (±) | 0.07 | pCi/L | | | | E903.0 | 03/29/11 00:38 / trs |
| Radium 226 MDC | 0.13 | pCi/L | | | | E903.0 | 03/29/11 00:38 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 03/30/11 16:22 / dmf |
| Thorium 230 precision (±) | 0.08 | pCi/L | | | | E908.0 | 03/30/11 16:22 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 03/30/11 16:22 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 1.54 | % | | | | Calculation | 04/07/11 10:22 / kbh |
| Anions | 21.4 | meq/L | | | | Calculation | 04/07/11 10:22 / kbh |
| Cations | 22.1 | meq/L | | | | Calculation | 04/07/11 10:22 / kbh |
| Solids, Total Dissolved Calculated | 1370 | mg/L | | | | Calculation | 04/07/11 10:22 / kbh |
| TDS Balance (0.80 - 1.20) | 0.970 | | | | | Calculation | 04/07/11 10:22 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland G-8 Samples
Lab ID: C11030468-008
Client Sample ID: Monitor 9

Report Date: 05/06/11
Collection Date: 03/12/11
Date Received: 03/16/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 295 | mg/L | | 1 | | A2320 B | 03/16/11 22:44 / jba |
| Carbonate as CO ₃ | 43 | mg/L | | 1 | | A2320 B | 03/16/11 22:44 / jba |
| Bicarbonate as HCO ₃ | 272 | mg/L | | 1 | | A2320 B | 03/16/11 22:44 / jba |
| Calcium | 4 | mg/L | | 1 | | E200.7 | 03/29/11 15:32 / cp |
| Chloride | 366 | mg/L | D | 4 | | E300.0 | 03/22/11 16:52 / ljl |
| Fluoride | 0.8 | mg/L | | 0.1 | | A4500-F C | 03/17/11 12:19 / jba |
| Magnesium | ND | mg/L | | 1 | | E200.7 | 03/29/11 15:32 / cp |
| Nitrogen, Ammonia as N | 0.23 | mg/L | | 0.05 | | A4500-NH ₃ G | 03/18/11 15:31 / dc |
| Nitrogen, Nitrate+Nitrite as N | ND | mg/L | | 0.1 | | E353.2 | 03/16/11 16:49 / dc |
| Potassium | 22 | mg/L | | 1 | | E200.7 | 03/29/11 15:32 / cp |
| Silica | 16.3 | mg/L | | 0.2 | | E200.7 | 03/29/11 15:32 / cp |
| Sodium | 401 | mg/L | | 1 | | E200.7 | 03/29/11 15:32 / cp |
| Sulfate | 73 | mg/L | D | 4 | | E300.0 | 03/18/11 10:05 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 1850 | umhos/cm | | 1 | | A2510 B | 03/17/11 09:42 / lmc |
| pH | 9.28 | s.u. | | 0.01 | | A4500-H B | 03/17/11 09:42 / lmc |
| Solids, Total Dissolved TDS @ 180 C | 1040 | mg/L | | 10 | | A2540 C | 03/17/11 13:37 / lmc |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.8 | 03/23/11 22:17 / sml |
| Arsenic | 0.004 | mg/L | | 0.001 | | E200.8 | 03/23/11 22:17 / sml |
| Barium | ND | mg/L | | 0.1 | | E200.8 | 03/23/11 22:17 / sml |
| Boron | 1.1 | mg/L | | 0.1 | | E200.7 | 03/29/11 15:32 / cp |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 03/23/11 22:17 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 03/23/11 22:17 / sml |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 03/23/11 22:17 / sml |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 03/29/11 15:32 / cp |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 03/23/11 22:17 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 03/23/11 22:17 / sml |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 03/23/11 22:17 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 03/23/11 22:17 / sml |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 03/23/11 22:17 / sml |
| Selenium | 0.003 | mg/L | | 0.001 | | E200.8 | 03/23/11 22:17 / sml |
| Uranium | 0.0133 | mg/L | | 0.0003 | | E200.8 | 03/23/11 22:17 / sml |
| Uranium, Activity | 9.0E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 03/23/11 22:17 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 03/23/11 22:17 / sml |
| Zinc | ND | mg/L | | 0.01 | | E200.8 | 03/23/11 22:17 / sml |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 03/19/11 03:53 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 03/19/11 03:53 / sml |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland G-8 Samples
Lab ID: C11030468-008
Client Sample ID: Monitor 9

Report Date: 05/06/11
Collection Date: 03/12/11
Date Received: 03/16/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|------|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | 1 | pCi/L | | 0.8 | | E909.0 | 04/16/11 01:12 / jb |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 04/16/11 01:12 / jb |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 04/16/11 01:12 / jb |
| Polonium 210 | <0.6 | pCi/L | U | 0.6 | | E912.0 | 03/22/11 13:15 / ep |
| Polonium 210 precision (±) | 0.5 | pCi/L | | | | E912.0 | 03/22/11 13:15 / ep |
| Polonium 210 MDC | 0.6 | pCi/L | | | | E912.0 | 03/22/11 13:15 / ep |
| Radium 226 | 0.83 | pCi/L | | 0.14 | | E903.0 | 03/29/11 14:26 / trs |
| Radium 226 precision (±) | 0.20 | pCi/L | | | | E903.0 | 03/29/11 14:26 / trs |
| Radium 226 MDC | 0.14 | pCi/L | | | | E903.0 | 03/29/11 14:26 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 03/31/11 16:17 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 03/31/11 16:17 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 03/31/11 16:17 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 04/30/11 03:07 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 04/30/11 03:07 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 04/30/11 03:07 / eli-cs |
| Polonium 210 | <0.2 | pCi/L | U | 0.2 | | E912.0 | 03/23/11 09:05 / ep |
| Polonium 210 precision (±) | 0.1 | pCi/L | | | | E912.0 | 03/23/11 09:05 / ep |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 03/23/11 09:05 / ep |
| Radium 226 | <0.13 | pCi/L | U | 0.13 | | E903.0 | 03/29/11 00:38 / trs |
| Radium 226 precision (±) | 0.06 | pCi/L | | | | E903.0 | 03/29/11 00:38 / trs |
| Radium 226 MDC | 0.13 | pCi/L | | | | E903.0 | 03/29/11 00:38 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 03/30/11 16:22 / dmf |
| Thorium 230 precision (±) | 0.09 | pCi/L | | | | E908.0 | 03/30/11 16:22 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 03/30/11 16:22 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 1.26 | % | | | | Calculation | 04/07/11 10:22 / kbh |
| Anions | 17.8 | meq/L | | | | Calculation | 04/07/11 10:22 / kbh |
| Cations | 18.2 | meq/L | | | | Calculation | 04/07/11 10:22 / kbh |
| Solids, Total Dissolved Calculated | 1060 | mg/L | | | | Calculation | 04/07/11 10:22 / kbh |
| TDS Balance (0.80 - 1.20) | 0.980 | | | | | Calculation | 04/07/11 10:22 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland G-8 Samples
Lab ID: C11030468-009
Client Sample ID: Monitor 10

Report Date: 05/06/11
Collection Date: 03/12/11
Date Received: 03/16/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 300 | mg/L | | 1 | | A2320 B | 03/16/11 22:52 / jba |
| Carbonate as CO ₃ | 20 | mg/L | | 1 | | A2320 B | 03/16/11 22:52 / jba |
| Bicarbonate as HCO ₃ | 326 | mg/L | | 1 | | A2320 B | 03/16/11 22:52 / jba |
| Calcium | 8 | mg/L | | 1 | | E200.7 | 03/29/11 15:36 / cp |
| Chloride | 226 | mg/L | | 1 | | E300.0 | 03/18/11 10:21 / ljl |
| Fluoride | 0.7 | mg/L | | 0.1 | | A4500-F C | 03/17/11 12:23 / jba |
| Magnesium | 1 | mg/L | | 1 | | E200.7 | 03/29/11 15:36 / cp |
| Nitrogen, Ammonia as N | 0.32 | mg/L | | 0.05 | | A4500-NH ₃ G | 03/18/11 15:39 / dc |
| Nitrogen, Nitrate+Nitrite as N | ND | mg/L | | 0.1 | | E353.2 | 03/16/11 16:51 / dc |
| Potassium | 13 | mg/L | | 1 | | E200.7 | 03/29/11 15:36 / cp |
| Silica | 18.8 | mg/L | | 0.2 | | E200.7 | 03/29/11 15:36 / cp |
| Sodium | 451 | mg/L | | 1 | | E200.7 | 03/29/11 15:36 / cp |
| Sulfate | 346 | mg/L | D | 4 | | E300.0 | 03/18/11 10:21 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 1950 | umhos/cm | | 1 | | A2510 B | 03/17/11 09:44 / lmc |
| pH | 8.73 | s.u. | | 0.01 | | A4500-H B | 03/17/11 09:44 / lmc |
| Solids, Total Dissolved TDS @ 180 C | 1210 | mg/L | | 10 | | A2540 C | 03/17/11 13:37 / lmc |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.8 | 03/23/11 22:51 / sml |
| Arsenic | 0.002 | mg/L | | 0.001 | | E200.8 | 03/23/11 22:51 / sml |
| Barium | ND | mg/L | | 0.1 | | E200.8 | 03/23/11 22:51 / sml |
| Boron | 1.4 | mg/L | | 0.1 | | E200.7 | 03/29/11 15:36 / cp |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 03/23/11 22:51 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 03/23/11 22:51 / sml |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 03/23/11 22:51 / sml |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 03/29/11 15:36 / cp |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 03/23/11 22:51 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 03/23/11 22:51 / sml |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 03/23/11 22:51 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 03/23/11 22:51 / sml |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 03/23/11 22:51 / sml |
| Selenium | 0.003 | mg/L | | 0.001 | | E200.8 | 03/23/11 22:51 / sml |
| Uranium | 0.0011 | mg/L | | 0.0003 | | E200.8 | 03/23/11 22:51 / sml |
| Uranium, Activity | 7.5E-10 | uCi/mL | | 2.0E-10 | | E200.8 | 03/23/11 22:51 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 03/23/11 22:51 / sml |
| Zinc | ND | mg/L | | 0.01 | | E200.8 | 03/23/11 22:51 / sml |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 03/19/11 03:57 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 03/19/11 03:57 / sml |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland G-8 Samples
Lab ID: C11030468-009
Client Sample ID: Monitor 10

Report Date: 05/06/11
Collection Date: 03/12/11
Date Received: 03/16/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|------|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 04/16/11 03:24 / jb |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 04/16/11 03:24 / jb |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 04/16/11 03:24 / jb |
| Polonium 210 | <0.7 | pCi/L | U | 0.7 | | E912.0 | 03/22/11 13:15 / ep |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 03/22/11 13:15 / ep |
| Polonium 210 MDC | 0.7 | pCi/L | | | | E912.0 | 03/22/11 13:15 / ep |
| Radium 226 | 0.36 | pCi/L | | 0.13 | | E903.0 | 03/29/11 14:26 / trs |
| Radium 226 precision (±) | 0.14 | pCi/L | | | | E903.0 | 03/29/11 14:26 / trs |
| Radium 226 MDC | 0.13 | pCi/L | | | | E903.0 | 03/29/11 14:26 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 03/31/11 16:17 / dmf |
| Thorium 230 precision (±) | 0.08 | pCi/L | | | | E908.0 | 03/31/11 16:17 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 03/31/11 16:17 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 04/30/11 05:18 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 04/30/11 05:18 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 04/30/11 05:18 / eli-cs |
| Polonium 210 | <0.2 | pCi/L | U | 0.2 | | E912.0 | 03/23/11 09:05 / ep |
| Polonium 210 precision (±) | 0.09 | pCi/L | | | | E912.0 | 03/23/11 09:05 / ep |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 03/23/11 09:05 / ep |
| Radium 226 | <0.14 | pCi/L | U | 0.14 | | E903.0 | 03/29/11 00:38 / trs |
| Radium 226 precision (±) | 0.05 | pCi/L | | | | E903.0 | 03/29/11 00:38 / trs |
| Radium 226 MDC | 0.14 | pCi/L | | | | E903.0 | 03/29/11 00:38 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 03/30/11 16:22 / dmf |
| Thorium 230 precision (±) | 0.08 | pCi/L | | | | E908.0 | 03/30/11 16:22 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 03/30/11 16:22 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 2.24 | % | | | | Calculation | 04/07/11 10:22 / kbh |
| Anions | 19.6 | meq/L | | | | Calculation | 04/07/11 10:22 / kbh |
| Cations | 20.5 | meq/L | | | | Calculation | 04/07/11 10:22 / kbh |
| Solids, Total Dissolved Calculated | 1250 | mg/L | | | | Calculation | 04/07/11 10:22 / kbh |
| TDS Balance (0.80 - 1.20) | 0.970 | | | | | Calculation | 04/07/11 10:22 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland G-8 Samples
Lab ID: C11030468-010
Client Sample ID: Monitor 11

Report Date: 05/06/11
Collection Date: 03/12/11
Date Received: 03/16/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 339 | mg/L | | 1 | | A2320 B | 03/16/11 23:01 / jba |
| Carbonate as CO ₃ | 76 | mg/L | | 1 | | A2320 B | 03/16/11 23:01 / jba |
| Bicarbonate as HCO ₃ | 260 | mg/L | | 1 | | A2320 B | 03/16/11 23:01 / jba |
| Calcium | 5 | mg/L | | 1 | | E200.7 | 03/29/11 15:49 / cp |
| Chloride | 519 | mg/L | D | 4 | | E300.0 | 03/22/11 17:07 / ljl |
| Fluoride | 0.9 | mg/L | | 0.1 | | A4500-F C | 03/17/11 12:31 / jba |
| Magnesium | ND | mg/L | | 1 | | E200.7 | 03/29/11 15:49 / cp |
| Nitrogen, Ammonia as N | 0.26 | mg/L | | 0.05 | | A4500-NH ₃ G | 03/18/11 15:41 / dc |
| Nitrogen, Nitrate+Nitrite as N | ND | mg/L | | 0.1 | | E353.2 | 03/16/11 16:54 / dc |
| Potassium | 31 | mg/L | | 1 | | E200.7 | 03/29/11 15:49 / cp |
| Silica | 16.3 | mg/L | | 0.2 | | E200.7 | 03/29/11 15:49 / cp |
| Sodium | 550 | mg/L | | 1 | | E200.7 | 03/29/11 15:49 / cp |
| Sulfate | 130 | mg/L | D | 4 | | E300.0 | 03/18/11 10:36 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 2450 | umhos/cm | | 1 | | A2510 B | 03/17/11 09:45 / lmc |
| pH | 9.49 | s.u. | | 0.01 | | A4500-H B | 03/17/11 09:45 / lmc |
| Solids, Total Dissolved TDS @ 180 C | 1400 | mg/L | | 10 | | A2540 C | 03/17/11 13:37 / lmc |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | 0.1 | mg/L | | 0.1 | | E200.8 | 03/23/11 22:58 / sml |
| Arsenic | 0.004 | mg/L | | 0.001 | | E200.8 | 03/23/11 22:58 / sml |
| Barium | ND | mg/L | | 0.1 | | E200.8 | 03/23/11 22:58 / sml |
| Boron | 1.4 | mg/L | | 0.1 | | E200.7 | 03/29/11 15:49 / cp |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 03/23/11 22:58 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 03/23/11 22:58 / sml |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 03/23/11 22:58 / sml |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 03/29/11 15:49 / cp |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 03/23/11 22:58 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 03/23/11 22:58 / sml |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 03/23/11 22:58 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 03/23/11 22:58 / sml |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 03/23/11 22:58 / sml |
| Selenium | 0.003 | mg/L | | 0.001 | | E200.8 | 03/23/11 22:58 / sml |
| Uranium | 0.0008 | mg/L | | 0.0003 | | E200.8 | 03/23/11 22:58 / sml |
| Uranium, Activity | 5.1E-10 | uCi/mL | | 2.0E-10 | | E200.8 | 03/23/11 22:58 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 03/23/11 22:58 / sml |
| Zinc | ND | mg/L | | 0.01 | | E200.8 | 03/23/11 22:58 / sml |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 03/19/11 04:01 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 03/19/11 04:01 / sml |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland G-8 Samples
Lab ID: C11030468-010
Client Sample ID: Monitor 11

Report Date: 05/06/11
Collection Date: 03/12/11
Date Received: 03/16/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|------|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.9 | pCi/L | U | 0.9 | | E909.0 | 04/16/11 05:35 / jb |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 04/16/11 05:35 / jb |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 04/16/11 05:35 / jb |
| Polonium 210 | <0.5 | pCi/L | U | 0.5 | | E912.0 | 03/22/11 13:15 / ep |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 03/22/11 13:15 / ep |
| Polonium 210 MDC | 0.5 | pCi/L | | | | E912.0 | 03/22/11 13:15 / ep |
| Radium 226 | 0.25 | pCi/L | | 0.14 | | E903.0 | 03/29/11 14:26 / trs |
| Radium 226 precision (±) | 0.12 | pCi/L | | | | E903.0 | 03/29/11 14:26 / trs |
| Radium 226 MDC | 0.14 | pCi/L | | | | E903.0 | 03/29/11 14:26 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 03/31/11 16:17 / dmf |
| Thorium 230 precision (±) | 0.1 | pCi/L | | | | E908.0 | 03/31/11 16:17 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 03/31/11 16:17 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.9 | pCi/L | U | 0.9 | | E909.0 | 04/30/11 07:29 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 04/30/11 07:29 / eli-cs |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 04/30/11 07:29 / eli-cs |
| Polonium 210 | <0.2 | pCi/L | U | 0.2 | | E912.0 | 03/23/11 09:05 / ep |
| Polonium 210 precision (±) | 0.1 | pCi/L | | | | E912.0 | 03/23/11 09:05 / ep |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 03/23/11 09:05 / ep |
| Radium 226 | <0.13 | pCi/L | U | 0.13 | | E903.0 | 03/29/11 00:38 / trs |
| Radium 226 precision (±) | 0.05 | pCi/L | | | | E903.0 | 03/29/11 00:38 / trs |
| Radium 226 MDC | 0.13 | pCi/L | | | | E903.0 | 03/29/11 00:38 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 03/30/11 16:22 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 03/30/11 16:22 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 03/30/11 16:22 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 1.80 | % | | | | Calculation | 04/07/11 10:22 / kbh |
| Anions | 24.2 | meq/L | | | | Calculation | 04/07/11 10:22 / kbh |
| Cations | 25.0 | meq/L | | | | Calculation | 04/07/11 10:22 / kbh |
| Solids, Total Dissolved Calculated | 1460 | mg/L | | | | Calculation | 04/07/11 10:22 / kbh |
| TDS Balance (0.80 - 1.20) | 0.960 | | | | | Calculation | 04/07/11 10:22 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/06/11

Project: Marsland G-8 Samples

Work Order: C11030468

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|--|-------|---------------------------|-------|-----|------|-----------|----------------------|-----|----------|----------------|
| Method: A2320 B | | | | | | | | | | Batch: R143700 |
| Sample ID: MBLK | 3 | Method Blank | | | | | Run: MANTECH_110316A | | | 03/16/11 16:42 |
| Alkalinity, Total as CaCO ₃ | | 2 | mg/L | 1 | | | | | | |
| Carbonate as CO ₃ | | ND | mg/L | 1 | | | | | | |
| Bicarbonate as HCO ₃ | | 2 | mg/L | 1 | | | | | | |
| Sample ID: LCS | | Laboratory Control Sample | | | | | Run: MANTECH_110316A | | | 03/16/11 16:55 |
| Alkalinity, Total as CaCO ₃ | | 212 | mg/L | 5.0 | 105 | 90 | 110 | | | |
| Sample ID: C11030468-001BDUP | 3 | Sample Duplicate | | | | | Run: MANTECH_110316A | | | 03/16/11 21:43 |
| Alkalinity, Total as CaCO ₃ | | 409 | mg/L | 5.0 | | | | 0.7 | 10 | |
| Carbonate as CO ₃ | | 13.3 | mg/L | 5.0 | | | | 3.2 | 10 | |
| Bicarbonate as HCO ₃ | | 472 | mg/L | 5.0 | | | | 0.9 | 10 | |
| Sample ID: C11030468-010BDUP | 3 | Sample Duplicate | | | | | Run: MANTECH_110316A | | | 03/16/11 23:12 |
| Alkalinity, Total as CaCO ₃ | | 344 | mg/L | 5.0 | | | | 1.2 | 10 | |
| Carbonate as CO ₃ | | 76.9 | mg/L | 5.0 | | | | 1.8 | 10 | |
| Bicarbonate as HCO ₃ | | 263 | mg/L | 5.0 | | | | 0.9 | 10 | |
| Sample ID: C11030468-010BMS | | Sample Matrix Spike | | | | | Run: MANTECH_110316A | | | 03/16/11 23:20 |
| Alkalinity, Total as CaCO ₃ | | 475 | mg/L | 5.0 | 109 | 80 | 120 | | | |

Qualifiers:

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MDC - Minimum detectable concentration



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/06/11

Project: Marsland G-8 Samples

Work Order: C11030468

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual | |
|------------------------------|---|--------|----------|-----|------|-----------|-------------------------------------|--------------------------|----------|------|----------------|
| Method: A2510 B | | | | | | | Analytical Run: ORION555A-2_110316B | | | | |
| Sample ID: ICV2_110316_2 | Initial Calibration Verification Standard | | | | | | | | | | 03/16/11 12:37 |
| Conductivity @ 25 C | | 1380 | umhos/cm | 1.0 | 98 | 90 | 110 | | | | |
| Method: A2510 B | | | | | | | Batch: 110316_2_PH-W_555A-2 | | | | |
| Sample ID: MBLK1_110316_2 | Method Blank | | | | | | | | | | 03/16/11 12:34 |
| Conductivity @ 25 C | | 0.7 | umhos/cm | 0.2 | | | | Run: ORION555A-2_110316B | | | |
| Sample ID: C11030468-006BDUP | Sample Duplicate | | | | | | | | | | 03/16/11 14:07 |
| Conductivity @ 25 C | | 2320 | umhos/cm | 1.0 | | | | 0.3 | 10 | | |
| Method: A2510 B | | | | | | | Analytical Run: ORION555A-2_110317A | | | | |
| Sample ID: ICV2_110317_1 | Initial Calibration Verification Standard | | | | | | | | | | 03/17/11 09:29 |
| Conductivity @ 25 C | | 1390 | umhos/cm | 1.0 | 98 | 90 | 110 | | | | |
| Method: A2510 B | | | | | | | Batch: 110317_1_PH-W_555A-2 | | | | |
| Sample ID: MBLK1_110317_1 | Method Blank | | | | | | | | | | 03/17/11 09:25 |
| Conductivity @ 25 C | | 0.6 | umhos/cm | 0.2 | | | | Run: ORION555A-2_110317A | | | |
| Sample ID: C11030475-001ADUP | Sample Duplicate | | | | | | | | | | 03/17/11 09:51 |
| Conductivity @ 25 C | | 1010 | umhos/cm | 1.0 | | | | 0.1 | 10 | | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/06/11

Project: Marsland G-8 Samples

Work Order: C11030468

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|---------------------------|-------|----|------|-----------|--------------------|-----|----------|----------------|
| Method: A2540 C | | | | | | | | | | Batch: R143800 |
| Sample ID: MBLK1_ | | Method Blank | | | | | Run: BAL-1_110317B | | | 03/17/11 13:30 |
| Solids, Total Dissolved TDS @ 180 C | | ND | mg/L | 4 | | | | | | |
| Sample ID: LCS1_ | | Laboratory Control Sample | | | | | Run: BAL-1_110317B | | | 03/17/11 13:30 |
| Solids, Total Dissolved TDS @ 180 C | | 1010 | mg/L | 10 | 101 | 90 | 110 | | | |
| Sample ID: C11030468-001ADUP | | Sample Duplicate | | | | | Run: BAL-1_110317B | | | 03/17/11 13:34 |
| Solids, Total Dissolved TDS @ 180 C | | 853 | mg/L | 10 | | | | 0.6 | 10 | |
| Sample ID: C11030468-005AMS | | Sample Matrix Spike | | | | | Run: BAL-1_110317B | | | 03/17/11 13:36 |
| Solids, Total Dissolved TDS @ 180 C | | 3280 | mg/L | 10 | 100 | 90 | 110 | | | |
| Sample ID: C11030468-008ADUP | | Sample Duplicate | | | | | Run: BAL-1_110317B | | | 03/17/11 13:37 |
| Solids, Total Dissolved TDS @ 180 C | | 1040 | mg/L | 10 | | | | 0.0 | 10 | |

Qualifiers:

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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/06/11

Project: Marsland G-8 Samples

Work Order: C11030468

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------------------------------|--------|-------|-------|------|-----------|------------|-----|----------|-------------------------------------|
| Method: A4500-F C | | | | | | | | | | Batch: R143739 |
| Sample ID: MBLK | Method Blank | | | | | | | | | |
| Fluoride | | 0.02 | mg/L | 0.008 | | | | | | Run: MANTECH_110317A 03/17/11 09:46 |
| Sample ID: LCS | Laboratory Control Sample | | | | | | | | | |
| Fluoride | | 1.02 | mg/L | 0.10 | 100 | 90 | 110 | | | Run: MANTECH_110317A 03/17/11 09:49 |
| Sample ID: C11030468-001BMS | Sample Matrix Spike | | | | | | | | | |
| Fluoride | | 1.68 | mg/L | 0.10 | 104 | 80 | 120 | | | Run: MANTECH_110317A 03/17/11 11:50 |
| Sample ID: C11030468-001BMSD | Sample Matrix Spike Duplicate | | | | | | | | | |
| Fluoride | | 1.68 | mg/L | 0.10 | 104 | 80 | 120 | 0.0 | 10 | Run: MANTECH_110317A 03/17/11 11:53 |
| Sample ID: C11030468-009BMS | Sample Matrix Spike | | | | | | | | | |
| Fluoride | | 1.75 | mg/L | 0.10 | 103 | 80 | 120 | | | Run: MANTECH_110317A 03/17/11 12:26 |
| Sample ID: C11030468-009BMSD | Sample Matrix Spike Duplicate | | | | | | | | | |
| Fluoride | | 1.75 | mg/L | 0.10 | 103 | 80 | 120 | 0.0 | 10 | Run: MANTECH_110317A 03/17/11 12:29 |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland G-8 Samples

Report Date: 05/06/11
Work Order: C11030468

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|---|-------|--------|-------|-------|------|-----------|------------|-----|----------|------|
| Method: A4500-H B Analytical Run: ORION555A-2_110316B | | | | | | | | | | |
| Sample ID: ICV1_110316_2 Initial Calibration Verification Standard 03/16/11 12:35 | | | | | | | | | | |
| pH | | 6.93 | s.u. | 0.010 | 101 | 98 | 102 | | | |
| Method: A4500-H B Batch: 110316_2_PH-W_555A-2 | | | | | | | | | | |
| Sample ID: C11030468-006BDUP Sample Duplicate Run: ORION555A-2_110316B 03/16/11 14:07 | | | | | | | | | | |
| pH | | 9.19 | s.u. | 0.010 | | | | 0.0 | 3 | |
| Method: A4500-H B Analytical Run: ORION555A-2_110317A | | | | | | | | | | |
| Sample ID: ICV1_110317_1 Initial Calibration Verification Standard 03/17/11 09:27 | | | | | | | | | | |
| pH | | 6.90 | s.u. | 0.010 | 101 | 98 | 102 | | | |
| Method: A4500-H B Batch: 110317_1_PH-W_555A-2 | | | | | | | | | | |
| Sample ID: C11030475-001ADUP Sample Duplicate Run: ORION555A-2_110317A 03/17/11 09:51 | | | | | | | | | | |
| pH | | 7.77 | s.u. | 0.010 | | | | 0.3 | 3 | |

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/06/11

Project: Marsland G-8 Samples

Work Order: C11030468

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|------------------------------|-------------------------------|--------|-------|-------|------|------------------------|------------|-----|----------------|------|
| Method: A4500-NH3 G | | | | | | | | | Batch: R143829 | |
| Sample ID: MBLK-4 | Method Blank | | | | | Run: TECHNICON_110318A | | | 03/18/11 14:33 | |
| Nitrogen, Ammonia as N | | ND | mg/L | 0.02 | | | | | | |
| Sample ID: LCS-5 | Laboratory Control Sample | | | | | Run: TECHNICON_110318A | | | 03/18/11 14:35 | |
| Nitrogen, Ammonia as N | | 1.95 | mg/L | 0.050 | 98 | 90 | 110 | | | |
| Sample ID: C11030468-003GMS | Sample Matrix Spike | | | | | Run: TECHNICON_110318A | | | 03/18/11 15:17 | |
| Nitrogen, Ammonia as N | | 2.05 | mg/L | 0.050 | 90 | 80 | 120 | | | |
| Sample ID: C11030468-003GMSD | Sample Matrix Spike Duplicate | | | | | Run: TECHNICON_110318A | | | 03/18/11 15:19 | |
| Nitrogen, Ammonia as N | | 2.06 | mg/L | 0.050 | 91 | 80 | 120 | 0.5 | 10 | |
| Sample ID: C11030468-010GMS | Sample Matrix Spike | | | | | Run: TECHNICON_110318A | | | 03/18/11 15:49 | |
| Nitrogen, Ammonia as N | | 2.06 | mg/L | 0.050 | 90 | 80 | 120 | | | |
| Sample ID: C11030468-010GMSD | Sample Matrix Spike Duplicate | | | | | Run: TECHNICON_110318A | | | 03/18/11 15:51 | |
| Nitrogen, Ammonia as N | | 2.07 | mg/L | 0.050 | 90 | 80 | 120 | 0.5 | 10 | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/06/11

Project: Marsland G-8 Samples

Work Order: C11030468

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|----------------------------|-------|--------|------|-----------|------------|---------------------|----------|----------------|
| Method: E200.7 | | | | | | | | | | Batch: R144194 |
| Sample ID: MB-110329A | 15 | Method Blank | | | | | | Run: ICP2-C_110329A | | 03/29/11 13:31 |
| Aluminum | | ND | mg/L | 0.01 | | | | | | |
| Boron | | 0.02 | mg/L | 0.009 | | | | | | |
| Calcium | | ND | mg/L | 0.2 | | | | | | |
| Chromium | | ND | mg/L | 0.002 | | | | | | |
| Copper | | ND | mg/L | 0.001 | | | | | | |
| Iron | | ND | mg/L | 0.002 | | | | | | |
| Magnesium | | ND | mg/L | 0.05 | | | | | | |
| Manganese | | ND | mg/L | 0.0004 | | | | | | |
| Molybdenum | | ND | mg/L | 0.005 | | | | | | |
| Nickel | | ND | mg/L | 0.003 | | | | | | |
| Potassium | | ND | mg/L | 0.02 | | | | | | |
| Silicon | | ND | mg/L | 0.007 | | | | | | |
| Sodium | | ND | mg/L | 0.3 | | | | | | |
| Vanadium | | 0.0003 | mg/L | | | | | | | |
| Zinc | | ND | mg/L | 0.001 | | | | | | |
| Sample ID: LFB-110329A | 15 | Laboratory Fortified Blank | | | | | | Run: ICP2-C_110329A | | 03/29/11 13:35 |
| Aluminum | | 0.970 | mg/L | 0.10 | 97 | 85 | 115 | | | |
| Boron | | 0.953 | mg/L | 0.10 | 94 | 85 | 115 | | | |
| Calcium | | 48.9 | mg/L | 0.50 | 98 | 85 | 115 | | | |
| Chromium | | 0.969 | mg/L | 0.050 | 97 | 85 | 115 | | | |
| Copper | | 0.961 | mg/L | 0.010 | 96 | 85 | 115 | | | |
| Iron | | 0.990 | mg/L | 0.030 | 99 | 85 | 115 | | | |
| Magnesium | | 49.5 | mg/L | 0.50 | 99 | 85 | 115 | | | |
| Manganese | | 0.973 | mg/L | 0.010 | 97 | 85 | 115 | | | |
| Molybdenum | | 0.944 | mg/L | 0.10 | 94 | 85 | 115 | | | |
| Nickel | | 0.966 | mg/L | 0.050 | 97 | 85 | 115 | | | |
| Potassium | | 42.8 | mg/L | 0.50 | 86 | 85 | 115 | | | |
| Silicon | | 0.411 | mg/L | 0.10 | 88 | 85 | 115 | | | |
| Sodium | | 48.4 | mg/L | 0.50 | 97 | 85 | 115 | | | |
| Vanadium | | 1.02 | mg/L | 0.10 | 102 | 85 | 115 | | | |
| Zinc | | 0.975 | mg/L | 0.010 | 98 | 85 | 115 | | | |
| Sample ID: C11030468-009CMS2 | 15 | Sample Matrix Spike | | | | | | Run: ICP2-C_110329A | | 03/29/11 15:40 |
| Aluminum | | 2.02 | mg/L | 0.10 | 99 | 70 | 130 | | | |
| Boron | | 3.33 | mg/L | 0.10 | 97 | 70 | 130 | | | |
| Calcium | | 109 | mg/L | 1.0 | 99 | 70 | 130 | | | |
| Chromium | | 1.96 | mg/L | 0.050 | 96 | 70 | 130 | | | |
| Copper | | 2.00 | mg/L | 0.010 | 98 | 70 | 130 | | | |
| Iron | | 2.02 | mg/L | 0.030 | 99 | 70 | 130 | | | |
| Magnesium | | 103 | mg/L | 1.0 | 100 | 70 | 130 | | | |
| Manganese | | 1.99 | mg/L | 0.010 | 97 | 70 | 130 | | | |
| Molybdenum | | 1.93 | mg/L | 0.10 | 93 | 70 | 130 | | | |
| Nickel | | 1.97 | mg/L | 0.050 | 97 | 70 | 130 | | | |
| Potassium | | 102 | mg/L | 1.0 | 87 | 70 | 130 | | | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/06/11

Project: Marsland G-8 Samples

Work Order: C11030468

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|--|-------|--------|-------|-------|------|---------------------|------------|----------------|----------|----------------|
| Method: E200.7 | | | | | | | | | | Batch: R144194 |
| Sample ID: C11030468-009CMS2 15 Sample Matrix Spike | | | | | | | | | | |
| | | | | | | Run: ICP2-C_110329A | | 03/29/11 15:40 | | |
| Silicon | | 9.50 | mg/L | 0.10 | | 70 | 130 | | | A |
| Sodium | | 540 | mg/L | 1.0 | | 70 | 130 | | | A |
| Vanadium | | 2.05 | mg/L | 0.10 | 100 | 70 | 130 | | | |
| Zinc | | 1.99 | mg/L | 0.010 | 97 | 70 | 130 | | | |
| Sample ID: C11030468-009CMSD 15 Sample Matrix Spike Duplicate | | | | | | | | | | |
| | | | | | | Run: ICP2-C_110329A | | 03/29/11 15:45 | | |
| Aluminum | | 2.03 | mg/L | 0.10 | 99 | 70 | 130 | 0.5 | 20 | |
| Boron | | 3.41 | mg/L | 0.10 | 101 | 70 | 130 | 2.5 | 20 | |
| Calcium | | 110 | mg/L | 1.0 | 99 | 70 | 130 | 0.4 | 20 | |
| Chromium | | 1.98 | mg/L | 0.050 | 97 | 70 | 130 | 1.1 | 20 | |
| Copper | | 2.00 | mg/L | 0.010 | 98 | 70 | 130 | 0.1 | 20 | |
| Iron | | 2.03 | mg/L | 0.030 | 99 | 70 | 130 | 0.6 | 20 | |
| Magnesium | | 102 | mg/L | 1.0 | 99 | 70 | 130 | 0.4 | 20 | |
| Manganese | | 2.00 | mg/L | 0.010 | 98 | 70 | 130 | 0.4 | 20 | |
| Molybdenum | | 1.96 | mg/L | 0.10 | 95 | 70 | 130 | 1.7 | 20 | |
| Nickel | | 1.99 | mg/L | 0.050 | 98 | 70 | 130 | 1.2 | 20 | |
| Potassium | | 102 | mg/L | 1.0 | 87 | 70 | 130 | 0.2 | 20 | |
| Silicon | | 9.53 | mg/L | 0.10 | | 70 | 130 | 0.4 | 20 | A |
| Sodium | | 545 | mg/L | 1.0 | | 70 | 130 | 0.8 | 20 | A |
| Vanadium | | 2.08 | mg/L | 0.10 | 102 | 70 | 130 | 1.7 | 20 | |
| Zinc | | 2.00 | mg/L | 0.010 | 97 | 70 | 130 | 0.3 | 20 | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

MDC - Minimum detectable concentration



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/06/11

Project: Marsland G-8 Samples

Work Order: C11030468

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|---------|-----------------------|---------|-----|------|-----------|------------|-----|----------|----------------|
| Method: E200.8 | | | | | | | | | | Batch: 29300 |
| Sample ID: MB-29300 | | | | | | | | | | |
| Method Blank | | Run: ICPMS2-C_110318A | | | | | | | | |
| Uranium | 0.0004 | mg/L | 6E-05 | | | | | | | 03/19/11 02:22 |
| Sample ID: LCS2-29300 | | | | | | | | | | |
| Laboratory Control Sample | | Run: ICPMS2-C_110318A | | | | | | | | |
| Uranium | 0.0980 | mg/L | 0.00030 | 98 | 85 | 115 | | | | 03/19/11 02:26 |
| Sample ID: C11030468-010HMS | | | | | | | | | | |
| Sample Matrix Spike | | Run: ICPMS2-C_110318A | | | | | | | | |
| Uranium | 0.00454 | mg/L | 0.00030 | 102 | 70 | 130 | | | | 03/19/11 04:05 |
| Sample ID: C11030468-010HMSD | | | | | | | | | | |
| Sample Matrix Spike Duplicate | | Run: ICPMS2-C_110318A | | | | | | | | |
| Uranium | 0.00452 | mg/L | 0.00030 | 102 | 70 | 130 | 0.5 | 20 | | 03/19/11 04:09 |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/06/11

Project: Marsland G-8 Samples

Work Order: C11030468

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|----------------------------|-------|---------|------|-----------|------------|-----------------------|----------|----------------|
| Method: E200.8 | | | | | | | | | | Batch: R143967 |
| Sample ID: LRB | | | | | | | | | | |
| | 15 | Method Blank | | | | | | Run: ICPMS2-C_110323A | | 03/23/11 12:03 |
| Aluminum | | ND | mg/L | 0.0001 | | | | | | |
| Arsenic | | 7E-05 | mg/L | 6E-05 | | | | | | |
| Barium | | ND | mg/L | 3E-05 | | | | | | |
| Cadmium | | ND | mg/L | 1E-05 | | | | | | |
| Chromium | | ND | mg/L | 4E-05 | | | | | | |
| Copper | | ND | mg/L | 7E-05 | | | | | | |
| Lead | | ND | mg/L | 3E-05 | | | | | | |
| Manganese | | ND | mg/L | 5E-05 | | | | | | |
| Mercury | | ND | mg/L | 8E-05 | | | | | | |
| Molybdenum | | ND | mg/L | 5E-05 | | | | | | |
| Nickel | | ND | mg/L | 0.0007 | | | | | | |
| Selenium | | 0.0004 | mg/L | 0.0002 | | | | | | |
| Uranium | | ND | mg/L | 1E-05 | | | | | | |
| Vanadium | | ND | mg/L | 3E-05 | | | | | | |
| Zinc | | ND | mg/L | 0.0003 | | | | | | |
| Sample ID: LFB | | | | | | | | | | |
| | 15 | Laboratory Fortified Blank | | | | | | Run: ICPMS2-C_110323A | | 03/23/11 12:10 |
| Aluminum | | 0.0558 | mg/L | 0.0010 | 112 | 85 | 115 | | | |
| Arsenic | | 0.0528 | mg/L | 0.0010 | 105 | 85 | 115 | | | |
| Barium | | 0.0552 | mg/L | 0.0010 | 110 | 85 | 115 | | | |
| Cadmium | | 0.0534 | mg/L | 0.0010 | 107 | 85 | 115 | | | |
| Chromium | | 0.0538 | mg/L | 0.0010 | 108 | 85 | 115 | | | |
| Copper | | 0.0534 | mg/L | 0.0010 | 107 | 85 | 115 | | | |
| Lead | | 0.0532 | mg/L | 0.0010 | 106 | 85 | 115 | | | |
| Manganese | | 0.0536 | mg/L | 0.0010 | 107 | 85 | 115 | | | |
| Mercury | | 0.00539 | mg/L | 0.0010 | 108 | 85 | 115 | | | |
| Molybdenum | | 0.0516 | mg/L | 0.0010 | 103 | 85 | 115 | | | |
| Nickel | | 0.0535 | mg/L | 0.0010 | 107 | 85 | 115 | | | |
| Selenium | | 0.0523 | mg/L | 0.0010 | 104 | 85 | 115 | | | |
| Uranium | | 0.0520 | mg/L | 0.00030 | 104 | 85 | 115 | | | |
| Vanadium | | 0.0534 | mg/L | 0.0010 | 107 | 85 | 115 | | | |
| Zinc | | 0.0546 | mg/L | 0.0010 | 109 | 85 | 115 | | | |
| Sample ID: C11030468-002CMS4 | | | | | | | | | | |
| | 15 | Sample Matrix Spike | | | | | | Run: ICPMS2-C_110323A | | 03/23/11 19:34 |
| Aluminum | | 0.475 | mg/L | 0.10 | 716 | 70 | 130 | | | S |
| Arsenic | | 0.0570 | mg/L | 0.0010 | 108 | 70 | 130 | | | |
| Barium | | 0.0934 | mg/L | 0.0010 | 104 | 70 | 130 | | | |
| Cadmium | | 0.0486 | mg/L | 0.010 | 97 | 70 | 130 | | | |
| Chromium | | 0.0493 | mg/L | 0.0010 | 83 | 70 | 130 | | | |
| Copper | | 0.0559 | mg/L | 0.010 | 104 | 70 | 130 | | | |
| Lead | | 0.0542 | mg/L | 0.050 | 107 | 70 | 130 | | | |
| Manganese | | 0.0503 | mg/L | 0.010 | 90 | 70 | 130 | | | |
| Mercury | | 0.00520 | mg/L | 0.0010 | 104 | 70 | 130 | | | |
| Molybdenum | | 0.0646 | mg/L | 0.0010 | 109 | 70 | 130 | | | |
| Nickel | | 0.0536 | mg/L | 0.050 | 107 | 70 | 130 | | | |

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/06/11

Project: Marsland G-8 Samples

Work Order: C11030468

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|---------|------|-----------------------|------------|-----|----------|----------------|
| Method: E200.8 | | | | | | | | | | Batch: R143967 |
| Sample ID: C11030468-002CMS4 | 15 | Sample Matrix Spike | | | | Run: ICPMS2-C_110323A | | | | 03/23/11 19:34 |
| Selenium | | 0.0509 | mg/L | 0.0010 | 97 | 70 | 130 | | | |
| Uranium | | 0.0581 | mg/L | 0.00030 | 110 | 70 | 130 | | | |
| Vanadium | | 0.0510 | mg/L | 0.0010 | 97 | 70 | 130 | | | |
| Zinc | | 0.0611 | mg/L | 0.010 | 99 | 70 | 130 | | | |
| Sample ID: C11030468-002CMSD | 15 | Sample Matrix Spike Duplicate | | | | Run: ICPMS2-C_110323A | | | | 03/23/11 19:41 |
| Aluminum | | 0.466 | mg/L | 0.10 | 699 | 70 | 130 | 1.9 | 20 | S |
| Arsenic | | 0.0541 | mg/L | 0.0010 | 102 | 70 | 130 | 5.2 | 20 | |
| Barium | | 0.0934 | mg/L | 0.0010 | 103 | 70 | 130 | 0.0 | 20 | |
| Cadmium | | 0.0474 | mg/L | 0.010 | 95 | 70 | 130 | 2.5 | 20 | |
| Chromium | | 0.0484 | mg/L | 0.0010 | 81 | 70 | 130 | 1.8 | 20 | |
| Copper | | 0.0543 | mg/L | 0.010 | 101 | 70 | 130 | 3.0 | 20 | |
| Lead | | 0.0528 | mg/L | 0.050 | 105 | 70 | 130 | 2.7 | 20 | |
| Manganese | | 0.0504 | mg/L | 0.010 | 90 | 70 | 130 | 0.3 | 20 | |
| Mercury | | 0.00502 | mg/L | 0.0010 | 100 | 70 | 130 | 3.6 | 20 | |
| Molybdenum | | 0.0620 | mg/L | 0.0010 | 104 | 70 | 130 | 4.1 | 20 | |
| Nickel | | 0.0525 | mg/L | 0.050 | 105 | 70 | 130 | 2.1 | 20 | |
| Selenium | | 0.0492 | mg/L | 0.0010 | 94 | 70 | 130 | 3.5 | 20 | |
| Uranium | | 0.0565 | mg/L | 0.00030 | 106 | 70 | 130 | 2.9 | 20 | |
| Vanadium | | 0.0495 | mg/L | 0.0010 | 94 | 70 | 130 | 2.9 | 20 | |
| Zinc | | 0.0597 | mg/L | 0.010 | 97 | 70 | 130 | 2.4 | 20 | |
| Method: E200.8 | | | | | | | | | | Batch: R144159 |
| Sample ID: LRB | 2 | Method Blank | | | | Run: ICPMS2-C_110328A | | | | 03/28/11 22:22 |
| Arsenic | | ND | mg/L | 6E-05 | | | | | | |
| Selenium | | 0.0003 | mg/L | 0.0002 | | | | | | |
| Sample ID: LFB | 2 | Laboratory Fortified Blank | | | | Run: ICPMS2-C_110328A | | | | 03/28/11 22:29 |
| Arsenic | | 0.0495 | mg/L | 0.0010 | 99 | 85 | 115 | | | |
| Selenium | | 0.0492 | mg/L | 0.0010 | 98 | 85 | 115 | | | |
| Sample ID: C11030539-001AMS4 | 2 | Sample Matrix Spike | | | | Run: ICPMS2-C_110328A | | | | 03/29/11 23:43 |
| Arsenic | | 0.0538 | mg/L | 0.0010 | 108 | 70 | 130 | | | |
| Selenium | | 0.0843 | mg/L | 0.0010 | 103 | 70 | 130 | | | |
| Sample ID: C11030539-001AMSD | 2 | Sample Matrix Spike Duplicate | | | | Run: ICPMS2-C_110328A | | | | 03/29/11 23:50 |
| Arsenic | | 0.0542 | mg/L | 0.0010 | 108 | 70 | 130 | 0.7 | 20 | |
| Selenium | | 0.0846 | mg/L | 0.0010 | 103 | 70 | 130 | 0.4 | 20 | |

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/06/11

Project: Marsland G-8 Samples

Work Order: C11030468

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|------|------|--------------------|------------|-----|----------|----------------|
| Method: E300.0 | | | | | | | | | | Batch: R143828 |
| Sample ID: LCS | 2 | Laboratory Control Sample | | | | Run: IC2-C_110317A | | | | 03/17/11 10:13 |
| Chloride | | 10.2 | mg/L | 1.0 | 102 | 90 | 110 | | | |
| Sulfate | | 40.5 | mg/L | 1.0 | 101 | 90 | 110 | | | |
| Sample ID: MBLK | 2 | Method Blank | | | | Run: IC2-C_110317A | | | | 03/17/11 10:29 |
| Chloride | | ND | mg/L | 0.06 | | | | | | |
| Sulfate | | 0.2 | mg/L | 0.2 | | | | | | |
| Sample ID: LFB | 2 | Laboratory Fortified Blank | | | | Run: IC2-C_110317A | | | | 03/17/11 11:00 |
| Chloride | | 12.4 | mg/L | 1.0 | 99 | 90 | 110 | | | |
| Sulfate | | 50.8 | mg/L | 1.0 | 101 | 90 | 110 | | | |
| Sample ID: C11030468-001BMS | 2 | Sample Matrix Spike | | | | Run: IC2-C_110317A | | | | 03/17/11 23:35 |
| Chloride | | 223 | mg/L | 1.0 | 89 | 80 | 120 | | | |
| Sulfate | | 256 | mg/L | 4.0 | 100 | 80 | 120 | | | |
| Sample ID: C11030468-001BMSD | 2 | Sample Matrix Spike Duplicate | | | | Run: IC2-C_110317A | | | | 03/17/11 23:51 |
| Chloride | | 225 | mg/L | 1.0 | 93 | 80 | 120 | 0.9 | 10 | |
| Sulfate | | 261 | mg/L | 4.0 | 103 | 80 | 120 | 2.0 | 10 | |
| Sample ID: C11030468-007BMS | 2 | Sample Matrix Spike | | | | Run: IC2-C_110317A | | | | 03/18/11 09:34 |
| Chloride | | 301 | mg/L | 1.0 | | 80 | 120 | | | A |
| Sulfate | | 572 | mg/L | 4.0 | 93 | 80 | 120 | | | |
| Sample ID: C11030468-007BMSD | 2 | Sample Matrix Spike Duplicate | | | | Run: IC2-C_110317A | | | | 03/18/11 09:50 |
| Chloride | | 301 | mg/L | 1.0 | | 80 | 120 | 0.1 | 10 | A |
| Sulfate | | 571 | mg/L | 4.0 | 93 | 80 | 120 | 0.1 | 10 | |
| Method: E300.0 | | | | | | | | | | Batch: R143963 |
| Sample ID: LCS | | Laboratory Control Sample | | | | Run: IC2-C_110322A | | | | 03/22/11 13:32 |
| Chloride | | 9.89 | mg/L | 1.0 | 99 | 90 | 110 | | | |
| Sample ID: MBLK | | Method Blank | | | | Run: IC2-C_110322A | | | | 03/22/11 13:47 |
| Chloride | | ND | mg/L | 0.06 | | | | | | |
| Sample ID: LFB | | Laboratory Fortified Blank | | | | Run: IC2-C_110322A | | | | 03/22/11 14:18 |
| Chloride | | 12.7 | mg/L | 1.0 | 101 | 90 | 110 | | | |
| Sample ID: C11030468-003BMS | | Sample Matrix Spike | | | | Run: IC2-C_110322A | | | | 03/22/11 15:20 |
| Chloride | | 384 | mg/L | 2.0 | 102 | 80 | 120 | | | |
| Sample ID: C11030468-003BMSD | | Sample Matrix Spike Duplicate | | | | Run: IC2-C_110322A | | | | 03/22/11 15:35 |
| Chloride | | 381 | mg/L | 2.0 | 99 | 80 | 120 | 0.8 | 10 | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

MDC - Minimum detectable concentration



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/06/11

Project: Marsland G-8 Samples

Work Order: C11030468

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|------|------|-----------|------------------------|-----|----------|----------------|
| Method: E353.2 | | | | | | | | | | Batch: R143696 |
| Sample ID: MBLK-1 | | Method Blank | | | | | Run: TECHNICON_110316A | | | 03/16/11 12:09 |
| Nitrogen, Nitrate+Nitrite as N | | ND | mg/L | 0.06 | | | | | | |
| Sample ID: LCS-2 | | Laboratory Control Sample | | | | | Run: TECHNICON_110316A | | | 03/16/11 12:11 |
| Nitrogen, Nitrate+Nitrite as N | | 2.61 | mg/L | 0.10 | 104 | 90 | 110 | | | |
| Sample ID: C11030468-010GMS | | Sample Matrix Spike | | | | | Run: TECHNICON_110316A | | | 03/16/11 16:56 |
| Nitrogen, Nitrate+Nitrite as N | | 1.92 | mg/L | 0.10 | 98 | 90 | 110 | | | |
| Sample ID: C11030468-010GMSD | | Sample Matrix Spike Duplicate | | | | | Run: TECHNICON_110316A | | | 03/16/11 16:59 |
| Nitrogen, Nitrate+Nitrite as N | | 1.92 | mg/L | 0.10 | 98 | 90 | 110 | 0.0 | 10 | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/06/11

Project: Marsland G-8 Samples

Work Order: C11030468

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|--|-------------------------------|--------------|-------|-----------------------------|-----------------------------|-----------|----------------|----------------|-------------------|------|
| Method: E903.0 | | | | | | | | | Batch: RA226-5250 | |
| Sample ID: C11030468-001DMS | Sample Matrix Spike | | | Run: BERTHOLD 770-1_110321A | | | 03/29/11 12:24 | | | |
| Radium 226 | 23 | pCi/L | | 53 | 70 | 130 | | | | S |
| - Spike response is outside of the acceptance range for this analysis. Since the LCS and the RPD for the MS MSD pair are acceptable, the response is considered to be matrix related. The batch is approved. | | | | | | | | | | |
| Sample ID: C11030468-001DMSD | Sample Matrix Spike Duplicate | | | Run: BERTHOLD 770-1_110321A | | | 03/29/11 14:26 | | | |
| Radium 226 | 22 | pCi/L | | 45 | 70 | 130 | 4.6 | 20.3 | | S |
| Sample ID: MB-RA226-5250 | 3 | Method Blank | | | Run: BERTHOLD 770-1_110321A | | | 03/29/11 16:46 | | |
| Radium 226 | | -0.06 | pCi/L | | | | | | | U |
| Radium 226 precision (±) | | 0.05 | pCi/L | | | | | | | |
| Radium 226 MDC | | 0.1 | pCi/L | | | | | | | |
| Sample ID: LCS-RA226-5250 | Laboratory Control Sample | | | Run: BERTHOLD 770-1_110321A | | | 03/29/11 16:46 | | | |
| Radium 226 | 6.2 | pCi/L | | 100 | 85 | 115 | | | | |
| Method: E903.0 | | | | | | | | | Batch: 29300 | |
| Sample ID: C11030468-004HMS | Sample Matrix Spike | | | Run: BERTHOLD 770-2_110322A | | | 03/28/11 21:54 | | | |
| Radium 226 | 9.0 | pCi/L | | 87 | 70 | 130 | | | | |
| Sample ID: C11030468-004HMSD | Sample Matrix Spike Duplicate | | | Run: BERTHOLD 770-2_110322A | | | 03/29/11 00:38 | | | |
| Radium 226 | 8.6 | pCi/L | | 84 | 70 | 130 | 4.2 | 27.9 | | |
| Sample ID: LCS-29300 | Laboratory Control Sample | | | Run: BERTHOLD 770-2_110322A | | | 03/29/11 00:38 | | | |
| Radium 226 | 11 | pCi/L | | 94 | 85 | 115 | | | | |
| Sample ID: MB-29300 | 3 | Method Blank | | | Run: BERTHOLD 770-2_110322A | | | 03/29/11 00:38 | | |
| Radium 226 | | -0.2 | pCi/L | | | | | | | U |
| Radium 226 precision (±) | | 0.1 | pCi/L | | | | | | | |
| Radium 226 MDC | | 0.3 | pCi/L | | | | | | | |

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

U - Not detected at minimum detectable concentration

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland G-8 Samples

Report Date: 05/06/11
Work Order: C11030468

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|--------------------------------------|-------------------------------|--------------|-------|-----|------|------------------------|------------|-----|----------|-----------------------|
| Method: E908.0 | | | | | | | | | | Batch: 29300 |
| Sample ID: C11030468-005HMS | Sample Matrix Spike | | | | | Run: EGG-ORTEC_110328D | | | | 03/30/11 16:22 |
| Thorium 230 | 8.7 | pCi/L | | 102 | | 70 | 130 | | | |
| Sample ID: C11030468-005HMSD | Sample Matrix Spike Duplicate | | | | | Run: EGG-ORTEC_110328D | | | | 03/30/11 16:22 |
| Thorium 230 | 7.9 | pCi/L | | 94 | | 70 | 130 | 9.6 | 46.6 | |
| Sample ID: LCS-29300 | Laboratory Control Sample | | | | | Run: EGG-ORTEC_110328D | | | | 03/30/11 16:22 |
| Thorium 230 | 11 | pCi/L | | 113 | | 70 | 130 | | | |
| Sample ID: MB-29300 | 3 | Method Blank | | | | Run: EGG-ORTEC_110328D | | | | 03/30/11 16:22 |
| Thorium 230 | | -0.2 | pCi/L | | | | | | | U |
| Thorium 230 precision (\pm) | | 0.2 | pCi/L | | | | | | | |
| Thorium 230 MDC | | 0.2 | pCi/L | | | | | | | |
| Method: E908.0 | | | | | | | | | | Batch: RA-TH-ISO-1355 |
| Sample ID: LCS-RA-TH-ISO-1355 | Laboratory Control Sample | | | | | Run: EGG-ORTEC_110329B | | | | 03/31/11 16:17 |
| Thorium 230 | 5.4 | pCi/L | | 92 | | 70 | 130 | | | |
| Sample ID: C11030468-001DMS | Sample Matrix Spike | | | | | Run: EGG-ORTEC_110329B | | | | 03/31/11 16:17 |
| Thorium 230 | 13 | pCi/L | | 96 | | 70 | 130 | | | |
| Sample ID: C11030468-001DMSD | Sample Matrix Spike Duplicate | | | | | Run: EGG-ORTEC_110329B | | | | 03/31/11 16:17 |
| Thorium 230 | 13 | pCi/L | | 100 | | 70 | 130 | 3.3 | 35.6 | |
| Sample ID: MB-RA-TH-ISO-1355 | 3 | Method Blank | | | | Run: EGG-ORTEC_110329B | | | | 04/01/11 08:43 |
| Thorium 230 | | 0.04 | pCi/L | | | | | | | U |
| Thorium 230 precision (\pm) | | 0.09 | pCi/L | | | | | | | |
| Thorium 230 MDC | | 0.2 | pCi/L | | | | | | | |

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



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Gillette, WY 866-686-7175 • Rapid City, SD 888-672-1225 • College Station, TX 888-690-2218

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland G-8 Samples

Report Date: 05/06/11
Work Order: C11030468

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|--|-------|-------------------------------|-------|----|------|-----------------|------------|-----|----------|----------------------|
| Method: E909.0 | | | | | | | | | | Batch: T_PB-210-0093 |
| Sample ID: TAP WATERMSD | | Sample Matrix Spike Duplicate | | | | Run: SUB-T39963 | | | | 04/15/11 05:29 |
| Lead 210 | | 57 | pCi/L | | 103 | 70 | 130 | 27 | 16.4 | R |
| - The RPD for the MSD is high. The individual spike recoveries are within range, the MB is acceptable, and the LCS is within range, therefore the batch is approved. | | | | | | | | | | |
| Sample ID: TAP WATERMS | | Sample Matrix Spike | | | | Run: SUB-T39963 | | | | 04/15/11 03:18 |
| Lead 210 | | 44 | pCi/L | | 78 | 70 | 130 | | | |
| Sample ID: LCS-PB-210-0093 | | Laboratory Control Sample | | | | Run: SUB-T39963 | | | | 04/14/11 22:55 |
| Lead 210 | | 58 | pCi/L | | 103 | 70 | 130 | | | |
| Sample ID: MB-PB-210-0093 | 3 | Method Blank | | | | Run: SUB-T39963 | | | | 04/14/11 20:43 |
| Lead 210 | | 2 | pCi/L | | | | | | | U |
| Lead 210 precision (±) | | 1 | pCi/L | | | | | | | |
| Lead 210 MDC | | 2 | pCi/L | | | | | | | |
| Method: E909.0 | | | | | | | | | | Batch: T_13600 |
| Sample ID: T11030079-001HMSD | | Sample Matrix Spike Duplicate | | | | Run: SUB-T40146 | | | | 04/29/11 03:01 |
| Lead 210 | | 53 | pCi/L | | 85 | 70 | 130 | 4.2 | 16.3 | |
| Sample ID: MB-13600 / 29300 | 3 | Method Blank | | | | Run: SUB-T40146 | | | | 04/28/11 18:15 |
| Lead 210 | | -0.4 | pCi/L | | | | | | | U |
| Lead 210 precision (±) | | 6 | pCi/L | | | | | | | |
| Lead 210 MDC | | 10 | pCi/L | | | | | | | |
| Sample ID: LCS-13600 / 29300 | | Laboratory Control Sample | | | | Run: SUB-T40146 | | | | 04/28/11 20:26 |
| Lead 210 | | 300 | pCi/L | | 84 | 70 | 130 | | | |
| Sample ID: T11030079-001HMS | | Sample Matrix Spike | | | | Run: SUB-T40146 | | | | 04/29/11 00:49 |
| Lead 210 | | 56 | pCi/L | | 89 | 70 | 130 | | | |

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

U - Not detected at minimum detectable concentration

ND - Not detected at the reporting limit.

R - RPD exceeds advisory limit.



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/06/11

Project: Marsland G-8 Samples

Work Order: C11030468

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|-----|------|-----------|------------------------|------|----------|-------------------|
| Method: E912.0 | | | | | | | | | | Batch: PO210-0353 |
| Sample ID: C11030468-010FMS | | Sample Matrix Spike | | | | | Run: EGG-ORTEC_110321B | | | 03/22/11 13:15 |
| Polonium 210 | 15 | pCi/L | | 114 | 70 | 130 | | | | |
| Sample ID: C11030468-010FMSD | | Sample Matrix Spike Duplicate | | | | | Run: EGG-ORTEC_110321B | | | 03/22/11 13:15 |
| Polonium 210 | 14 | pCi/L | | 105 | 70 | 130 | 8.5 | 71.6 | | |
| Sample ID: MB-PO210-0353 | 3 | Method Blank | | | | | Run: EGG-ORTEC_110321B | | | 03/22/11 13:15 |
| Polonium 210 | -0.01 | pCi/L | | | | | | | | U |
| Polonium 210 precision (\pm) | 0.2 | pCi/L | | | | | | | | |
| Polonium 210 MDC | 0.5 | pCi/L | | | | | | | | |
| Sample ID: LCS-PO210-0353 | | Laboratory Control Sample | | | | | Run: EGG-ORTEC_110321B | | | 03/22/11 13:15 |
| Polonium 210 | 6.5 | pCi/L | | 102 | 70 | 130 | | | | |
| Method: E912.0 | | | | | | | | | | Batch: 29300 |
| Sample ID: C11030399-001EMS | | Sample Matrix Spike | | | | | Run: EGG-ORTEC_110321C | | | 03/23/11 09:05 |
| Polonium 210 | 5.5 | pCi/L | | 102 | 70 | 130 | | | | |
| Sample ID: C11030399-001EMSD | | Sample Matrix Spike Duplicate | | | | | Run: EGG-ORTEC_110321C | | | 03/23/11 09:05 |
| Polonium 210 | 4.6 | pCi/L | | 85 | 70 | 130 | 18 | 75.5 | | |
| Sample ID: LCS-29300 | | Laboratory Control Sample | | | | | Run: EGG-ORTEC_110321C | | | 03/23/11 11:24 |
| Polonium 210 | 30 | pCi/L | | 96 | 70 | 130 | | | | |
| Sample ID: MB-29300 | 3 | Method Blank | | | | | Run: EGG-ORTEC_110321C | | | 03/23/11 11:24 |
| Polonium 210 | 0.8 | pCi/L | | | | | | | | U |
| Polonium 210 precision (\pm) | 1 | pCi/L | | | | | | | | |
| Polonium 210 MDC | 2 | pCi/L | | | | | | | | |

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration

Workorder Receipt Checklist



C11030468

Login completed by: Corinne Wagner

Date Received: 3/16/2011

Reviewed by: BL2000\tedwards

Received by: ha

Reviewed Date: 3/18/2011

 Carrier Ground
 name:

| | | | |
|---|---|-----------------------------|--|
| Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Container/Temp Blank temperature: | 7.8°C | | |
| Water - VOA vials have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | No VOA vials submitted <input checked="" type="checkbox"/> |
| Water - pH acceptable upon receipt? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Applicable <input type="checkbox"/> |

Contact and Corrective Action Comments:

Samples for dissolved/suspended radiochemistry were subsampled, filtered and preserved with 2 mL HNO₃ in lab upon receipt to pH <2.



Chain of Custody and Analytical Request Record

Page 1 of 1

PLEASE PRINT- Provide as much information as possible.

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|---|--|--|--|-----------------------------|--|-----------------------------|---|---------------------------|--|---|--|--|--|--------------------------|--|-------------------------------|--|---------------------------|--|----------------------------------|--|------------------------|--|
| Company Name: Crow Butte Resources, Inc. | | | Project Name Marsland G-8 Samples | | | Sample Origin State: | | | EPA/State Compliance: Yes <input type="checkbox"/> No <input type="checkbox"/> | | | | | | | | | | | | | | | | |
| Report Mail Address: P.O. Box 169 Crawford, NE 69339 | | | Contact Name: Larry Teahon | | | Phone/Fax: 308-665-2341 | | | Email: daxmynus@msn.com | | | Sampler: (Please Print) Brooke Bass Rhonda Pelton | | | | | | | | | | | | | |
| Invoice Address: P.O. Box 169 Crawford, NE 69339 | | | Invoice Contact & Phone: Larry Teahon 308-665-2215 ext 114 | | | | | | Purchase Order: 1125 | | | Quote/Bottle Order: | | | | | | | | | | | | | |
| Special Report/Formats – ELI must be notified prior to sample submittal for the following: <input type="checkbox"/> DW <input type="checkbox"/> A2LA <input type="checkbox"/> GSA <input type="checkbox"/> EDD/EDT (Electronic Data) <input type="checkbox"/> POTW/WWTP <input type="checkbox"/> Format: _____ <input type="checkbox"/> State: _____ <input type="checkbox"/> LEVEL IV <input type="checkbox"/> Other: _____ <input type="checkbox"/> NELAC | | | | ANALYSIS REQUESTED | | | | | | | | | | RUSH Contact ELI prior to RUSH sample submittal for charges and scheduling – See Instruction Page Comments: NDEQ parameters for baseline sampling. Report on separate sheets. Analyze as per WDEQ Guideline 8 and NRC Reg. Guide 4.14 requirements. Record U as mg/L and µCi/ml and radiometrics as pCi/L. | | Shipped by: UPS GED | | | | | | | | | |
| | | | | SEE ATTACHED Normal Turnaround (TAT) | | | | | | | | | | | | Cooler ID(s): Various | | | | | | | | | |
| SAMPLE IDENTIFICATION (Name, Location, Interval, etc.) | | | | Collection Date | | Collection Time | | MATRIX | | HNO3-F, Metals | | RAW-F, Common Ions | | RAW-UF, Alkalinity | | H2SO4-F, NO2, NO3, NH4 | | Raw-UF, Ra226, Po210 dis, sus | | Raw-UF, Pb210 dis and sus | | Raw-UF, Th230, U-nat dis and sus | | Receipt Temp 7.8 °C | |
| 1 Monitor 1 | | | | 3/12/11 | | | | Water | | .5 1 1 .5 1 1 1 1 1 1 1 1 | | | | | | | | | | | | | | Please report 4/20/11 | |
| 2 Monitor 2 | | | | 3/12/11 | | | | Water | | .5 1 1 .5 1 1 1 1 1 1 1 1 | | | | | | | | | | | | | | Please report 4/20/11 | |
| 3 Monitor 4A | | | | 3/12/11 | | | | Water | | .5 1 1 .5 1 1 1 1 1 1 1 1 | | | | | | | | | | | | | | Please report 4/20/11 | |
| 4 Monitor 5 | | | | 3/12/11 | | | | Water | | .5 1 1 .5 1 1 1 1 1 1 1 1 | | | | | | | | | | | | | | Please report 4/20/11 | |
| 5 Monitor 6 | | | | 3/12/11 | | | | Water | | .5 1 1 .5 1 1 1 1 1 1 1 1 | | | | | | | | | | | | | | Please report 4/20/11 | |
| 6 Monitor 7 | | | | 3/12/11 | | | | Water | | .5 1 1 .5 1 1 1 1 1 1 1 1 | | | | | | | | | | | | | | Please report 4/20/11 | |
| 7 Monitor 8 | | | | 3/12/11 | | | | Water | | .5 1 1 .5 1 1 1 1 1 1 1 1 | | | | | | | | | | | | | | Please report 4/20/11 | |
| 8 Monitor 9 | | | | 3/12/11 | | | | Water | | .5 1 1 .5 1 1 1 1 1 1 1 1 | | | | | | | | | | | | | | Please report 4/20/11 | |
| 9 Monitor 10 | | | | 3/12/11 | | | | Water | | .5 1 1 .5 1 1 1 1 1 1 1 1 | | | | | | | | | | | | | | Please report 4/20/11 | |
| 10 Monitor 11 | | | | 3/12/11 | | | | Water | | .5 1 1 .5 1 1 1 1 1 1 1 1 | | | | | | | | | | | | | | Please report 4/20/11 | |
| Custody Record MUST be Signed | | Relinquished by (print): Rhonda Pelton | | Date/Time: 3-14-11 10:55 | | Signature: Rhonda Pelton | | Received by (print): LPS | | Date/Time: | | Signature: | | | | | | | | | | | | | |
| | | Relinquished by (print): | | Date/Time: | | Signature: | | Received by (print): | | Date/Time: | | Signature: | | | | | | | | | | | | | |
| | | Sample Disposal: Return to Client: No | | Lab Disposal: YES | | Received by Laboratory: | | Date/Time: 3-16-11 9:15 | | Signature: Hickman | | | | | | | | | | | | | | | |

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested.

This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report.

Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.

CROW BUTTE RESOURCES, INC.
CROW BUTTE PROJECT

No2

DATE: 3/12/11

ANALYST: lt

STANDARD CURVE DATA

| | | | | | | | |
|-----|-----------|-------------|-------------|-------------|--|--|--|
| | <u>RL</u> | <u>0.01</u> | <u>0.05</u> | <u>0.1</u> | | | |
| Abs | | <u>.033</u> | <u>.177</u> | <u>.347</u> | | | |
| Abs | | | | | | | |

| SAMPLE # | VOLUME | Df | Abs | No2 mg/L |
|---------------------------|-------------|----------|-------------|--------------|
| <u>Mariland Monitor</u> 1 | <u>10ml</u> | <u>1</u> | <u>.062</u> | <u>0.02</u> |
| 2 | <u>10ml</u> | | <u>.005</u> | <u>20.01</u> |
| 3 | <u>10ml</u> | | <u>.005</u> | <u>20.01</u> |
| 4 | <u>10ml</u> | | <u>.006</u> | <u>20.01</u> |
| 5 | <u>10ml</u> | | <u>.007</u> | <u>20.01</u> |
| Dup 7 | <u>10ml</u> | | <u>.005</u> | <u>20.01</u> |
| 6 | <u>10ml</u> | | <u>.010</u> | <u>20.01</u> |
| 7 | <u>10ml</u> | | <u>.004</u> | <u>20.01</u> |
| 8 | <u>10ml</u> | | <u>.017</u> | <u>20.01</u> |
| 9 | <u>10ml</u> | | <u>.012</u> | <u>20.01</u> |
| 10 | | | | |
| Dup Dup 1 | <u>10ml</u> | | <u>.062</u> | <u>20.01</u> |
| 11 Dup 4 | <u>10ml</u> | | <u>.005</u> | <u>20.01</u> |
| 12 Dup 7 | <u>10ml</u> | | <u>.006</u> | <u>20.01</u> |
| 13 Dup 10 | <u>10ml</u> | | <u>.016</u> | <u>20.01</u> |
| 14 | | | | |
| 15 | | | | |
| Dup | | | | |
| 16 | | | | |
| 17 | | | | |
| 18 | | | | |
| 19 | | | | |
| 20 | | | | |
| Dup | | | | |
| 21 | | | | |
| 22 | | | | |
| 23 | | | | |
| 24 | | | | |
| 25 | | | | |
| Dup | | | | |



ANALYTICAL SUMMARY REPORT

May 05, 2011

Crow Butte Resources
86 Crow Butte Rd
Crawford, NE 69339

Workorder No.: C11030396 Quote ID: C1125 - Crow Butte Uranium

Project Name: Marsland Expansion Project

Energy Laboratories, Inc. Casper WY received the following 2 samples for Crow Butte Resources on 3/14/2011 for analysis.

| Sample ID | Client Sample ID | Collect Date | Receive Date | Matrix | Test |
|---------------|-------------------|---------------|--------------|---------|--|
| C11030396-001 | E. Driller's Well | 03/11/11 0:00 | 03/14/11 | Aqueous | Metals by ICP/ICPMS, Dissolved Alkalinity QA Calculations Conductivity Sample Filtering Fluoride E300.0 Anions Uranium, Suspended Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Digestion, Total Metals Lead 210, Dissolved Lead 210, Suspended Polonium 210, Dissolved Polonium 210, Suspended Radium 226, Dissolved Radium 226, Suspended Thorium, Isotopic Thorium, Suspended Isotopic Solids, Total Dissolved |
| C11030396-002 | W. Driller's Well | 03/11/11 0:00 | 03/14/11 | Aqueous | Same As Above |

This report was prepared by Energy Laboratories, Inc., 2393 Salt Creek Hwy., Casper, WY 82601. Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

The results as reported relate only to the item(s) submitted for testing.

If you have any questions regarding these test results, please call.

Report Approved By:



CLIENT: Crow Butte Resources
Project: Marsland Expansion Project
Sample Delivery Group: C11030396

Report Date: 05/05/11

CASE NARRATIVE

RADIOCHEMISTRY ANALYSIS

Per client request, results less than MDC (or precision if no MDC), are reported as <MDC (or <precision). Actual instrument results are available by request.

BRANCH LABORATORY SUBCONTRACT ANALYSIS

Tests associated with analyst identified as ELI-CS were subcontracted to Energy Laboratories, 415 Graham Rd., College Station, TX, EPA Number TX01520.

ORIGINAL SAMPLE SUBMITTAL(S)

All original sample submittals have been returned with the data package.

SAMPLE TEMPERATURE COMPLIANCE: 4 °C (±2 °C)

Temperature of samples received may not be considered properly preserved by accepted standards. Samples that are hand delivered immediately after collection shall be considered acceptable if there is evidence that the chilling process has begun.

GROSS ALPHA ANALYSIS

Method 900.0 for gross alpha and gross beta is intended as a drinking water method for low TDS waters. Data provided by this method for non potable waters should be viewed as inconsistent.

SOIL/SOLID SAMPLES

All samples reported on an as received basis unless otherwise indicated.

SUBCONTRACTING ANALYSIS

Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.

BRANCH LABORATORY LOCATIONS

eli-b - Energy Laboratories, Inc. - Billings, MT
eli-g - Energy Laboratories, Inc. - Gillette, WY
eli-h - Energy Laboratories, Inc. - Helena, MT
eli-r - Energy Laboratories, Inc. - Rapid City, SD
eli-t - Energy Laboratories, Inc. - College Station, TX

CERTIFICATIONS:

USEPA: WY00002; FL-DOH NELAC: E87641; California: 02118CA
Oregon: WY200001; Utah: 3072350515; Virginia: 00057; Washington: C1903

ISO 17025 DISCLAIMER:

The results of this Analytical Report relate only to the items submitted for analysis.

ENERGY LABORATORIES, INC. - CASPER, WY certifies that certain method selections contained in this report meet requirements as set forth by the above accrediting authorities. Some results requested by the client may not be covered under these certifications. All analysis data to be submitted for regulatory enforcement should be certified in the sample state of origin. Please verify ELI's certification coverage by visiting www.energylab.com

ELI appreciates the opportunity to provide you with this analytical service. For additional information and services visit our web page www.energylab.com.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Expansion Project
Lab ID: C11030396-001
Client Sample ID: E. Driller's Well

Report Date: 05/05/11
Collection Date: 03/11/11
Date Received: 03/14/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 156 | mg/L | | 1 | | A2320 B | 03/14/11 19:03 / jba |
| Carbonate as CO ₃ | ND | mg/L | | 1 | | A2320 B | 03/14/11 19:03 / jba |
| Bicarbonate as HCO ₃ | 191 | mg/L | | 1 | | A2320 B | 03/14/11 19:03 / jba |
| Calcium | 33 | mg/L | | 1 | | E200.7 | 03/15/11 16:21 / rdw |
| Chloride | 3 | mg/L | | 1 | | E300.0 | 03/16/11 05:14 / ljl |
| Fluoride | 0.5 | mg/L | | 0.1 | | A4500-F C | 03/17/11 10:10 / jba |
| Magnesium | 8 | mg/L | | 1 | | E200.7 | 03/15/11 16:21 / rdw |
| Nitrogen, Ammonia as N | ND | mg/L | | 0.05 | | A4500-NH ₃ G | 03/17/11 15:37 / dc |
| Nitrogen, Nitrate+Nitrite as N | 1.0 | mg/L | | 0.1 | | E353.2 | 03/23/11 17:56 / dc |
| Potassium | 3 | mg/L | | 1 | | E200.7 | 03/15/11 16:21 / rdw |
| Silica | 80.9 | mg/L | | 0.2 | | E200.7 | 03/15/11 16:21 / rdw |
| Sodium | 18 | mg/L | | 1 | | E200.7 | 03/15/11 16:21 / rdw |
| Sulfate | 7 | mg/L | | 1 | | E300.0 | 03/16/11 05:14 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 304 | umhos/cm | | 1 | | A2510 B | 03/14/11 14:44 / lmc |
| pH | 7.98 | s.u. | | 0.01 | | A4500-H B | 03/14/11 14:44 / lmc |
| Solids, Total Dissolved TDS @ 180 C | 239 | mg/L | | 10 | | A2540 C | 03/15/11 09:03 / lmc |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.7 | 03/15/11 16:21 / rdw |
| Arsenic | 0.002 | mg/L | | 0.001 | | E200.8 | 04/04/11 16:38 / sml |
| Barium | 0.1 | mg/L | | 0.1 | | E200.7 | 03/15/11 16:21 / rdw |
| Boron | ND | mg/L | | 0.1 | | E200.7 | 03/15/11 16:21 / rdw |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 03/23/11 18:40 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.7 | 03/28/11 14:45 / cp |
| Copper | ND | mg/L | | 0.01 | | E200.7 | 03/28/11 14:45 / cp |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 03/15/11 16:21 / rdw |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 03/23/11 18:40 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.7 | 03/28/11 14:45 / cp |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 03/23/11 18:40 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.7 | 03/28/11 14:45 / cp |
| Nickel | ND | mg/L | | 0.05 | | E200.7 | 03/28/11 14:45 / cp |
| Selenium | 0.002 | mg/L | | 0.001 | | E200.8 | 04/04/11 16:38 / sml |
| Uranium | 0.0088 | mg/L | | 0.0003 | | E200.8 | 03/23/11 18:40 / sml |
| Uranium, Activity | 5.9E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 03/23/11 18:40 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.7 | 03/28/11 14:45 / cp |
| Zinc | 0.02 | mg/L | | 0.01 | | E200.7 | 03/15/11 16:21 / rdw |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 03/19/11 02:34 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 03/19/11 02:34 / sml |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Expansion Project
Lab ID: C11030396-001
Client Sample ID: E. Driller's Well

Report Date: 05/05/11
Collection Date: 03/11/11
Date Received: 03/14/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|------|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 03/25/11 18:53 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 03/25/11 18:53 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 03/25/11 18:53 / eli-cs |
| Polonium 210 | <0.6 | pCi/L | U | 0.6 | | E912.0 | 03/17/11 13:06 / ep |
| Polonium 210 precision (±) | 0.4 | pCi/L | | | | E912.0 | 03/17/11 13:06 / ep |
| Polonium 210 MDC | 0.6 | pCi/L | | | | E912.0 | 03/17/11 13:06 / ep |
| Radium 226 | 2.6 | pCi/L | | 0.14 | | E903.0 | 03/21/11 20:55 / trs |
| Radium 226 precision (±) | 0.32 | pCi/L | | | | E903.0 | 03/21/11 20:55 / trs |
| Radium 226 MDC | 0.14 | pCi/L | | | | E903.0 | 03/21/11 20:55 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 03/25/11 09:27 / dmf |
| Thorium 230 precision (±) | 0.05 | pCi/L | | | | E908.0 | 03/25/11 09:27 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 03/25/11 09:27 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.9 | pCi/L | U | 0.9 | | E909.0 | 04/28/11 22:38 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 04/28/11 22:38 / eli-cs |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 04/28/11 22:38 / eli-cs |
| Polonium 210 | <0.3 | pCi/L | U | 0.3 | | E912.0 | 03/23/11 09:05 / ep |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 03/23/11 09:05 / ep |
| Polonium 210 MDC | 0.3 | pCi/L | | | | E912.0 | 03/23/11 09:05 / ep |
| Radium 226 | <0.22 | pCi/L | U | 0.22 | | E903.0 | 03/28/11 21:54 / trs |
| Radium 226 precision (±) | 0.09 | pCi/L | | | | E903.0 | 03/28/11 21:54 / trs |
| Radium 226 MDC | 0.22 | pCi/L | | | | E903.0 | 03/28/11 21:54 / trs |
| Thorium 230 | <0.09 | pCi/L | U | 0.09 | | E908.0 | 03/30/11 11:19 / dmf |
| Thorium 230 precision (±) | 0.08 | pCi/L | | | | E908.0 | 03/30/11 11:19 / dmf |
| Thorium 230 MDC | 0.09 | pCi/L | | | | E908.0 | 03/30/11 11:19 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | -3.14 | % | | | | Calculation | 04/07/11 10:01 / kbh |
| Anions | 3.45 | meq/L | | | | Calculation | 04/07/11 10:01 / kbh |
| Cations | 3.24 | meq/L | | | | Calculation | 04/07/11 10:01 / kbh |
| Solids, Total Dissolved Calculated | 274 | mg/L | | | | Calculation | 04/07/11 10:01 / kbh |
| TDS Balance (0.80 - 1.20) | 0.870 | | | | | Calculation | 04/07/11 10:01 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Expansion Project
Lab ID: C11030396-002
Client Sample ID: W. Driller's Well

Report Date: 05/05/11
Collection Date: 03/11/11
Date Received: 03/14/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 150 | mg/L | | 1 | | A2320 B | 03/14/11 19:11 / jba |
| Carbonate as CO ₃ | ND | mg/L | | 1 | | A2320 B | 03/14/11 19:11 / jba |
| Bicarbonate as HCO ₃ | 183 | mg/L | | 1 | | A2320 B | 03/14/11 19:11 / jba |
| Calcium | 27 | mg/L | | 1 | | E200.7 | 03/15/11 16:25 / rdw |
| Chloride | 3 | mg/L | | 1 | | E300.0 | 03/16/11 05:29 / ljl |
| Fluoride | 0.6 | mg/L | | 0.1 | | A4500-F C | 03/17/11 10:18 / jba |
| Magnesium | 6 | mg/L | | 1 | | E200.7 | 03/15/11 16:25 / rdw |
| Nitrogen, Ammonia as N | ND | mg/L | | 0.05 | | A4500-NH ₃ G | 03/17/11 15:39 / dc |
| Nitrogen, Nitrate+Nitrite as N | 1.1 | mg/L | | 0.1 | | E353.2 | 03/23/11 17:59 / dc |
| Potassium | 4 | mg/L | | 1 | | E200.7 | 03/15/11 16:25 / rdw |
| Silica | 82.4 | mg/L | | 0.2 | | E200.7 | 03/15/11 16:25 / rdw |
| Sodium | 32 | mg/L | | 1 | | E200.7 | 03/15/11 16:25 / rdw |
| Sulfate | 14 | mg/L | | 1 | | E300.0 | 03/16/11 05:29 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 310 | umhos/cm | | 1 | | A2510 B | 03/14/11 14:46 / lmc |
| pH | 8.03 | s.u. | | 0.01 | | A4500-H B | 03/14/11 14:46 / lmc |
| Solids, Total Dissolved TDS @ 180 C | 257 | mg/L | | 10 | | A2540 C | 03/15/11 09:04 / lmc |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.7 | 03/15/11 16:25 / rdw |
| Arsenic | 0.006 | mg/L | | 0.001 | | E200.8 | 03/23/11 18:47 / sml |
| Barium | ND | mg/L | | 0.1 | | E200.7 | 03/15/11 16:25 / rdw |
| Boron | ND | mg/L | | 0.1 | | E200.7 | 03/15/11 16:25 / rdw |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 03/23/11 18:47 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.7 | 03/28/11 14:49 / cp |
| Copper | ND | mg/L | | 0.01 | | E200.7 | 03/28/11 14:49 / cp |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 03/15/11 16:25 / rdw |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 03/23/11 18:47 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.7 | 03/28/11 14:49 / cp |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 03/23/11 18:47 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.7 | 03/28/11 14:49 / cp |
| Nickel | ND | mg/L | | 0.05 | | E200.7 | 03/28/11 14:49 / cp |
| Selenium | 0.002 | mg/L | | 0.001 | | E200.8 | 03/23/11 18:47 / sml |
| Uranium | 0.0060 | mg/L | | 0.0003 | | E200.8 | 03/23/11 18:47 / sml |
| Uranium, Activity | 4.1E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 03/23/11 18:47 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.7 | 03/28/11 14:49 / cp |
| Zinc | 0.02 | mg/L | | 0.01 | | E200.7 | 03/28/11 14:49 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 03/19/11 02:55 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 03/19/11 02:55 / sml |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Expansion Project
Lab ID: C11030396-002
Client Sample ID: W. Driller's Well

Report Date: 05/05/11
Collection Date: 03/11/11
Date Received: 03/14/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|------|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 03/25/11 21:05 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 03/25/11 21:05 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 03/25/11 21:05 / eli-cs |
| Polonium 210 | <0.6 | pCi/L | U | 0.6 | | E912.0 | 03/17/11 13:06 / ep |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 03/17/11 13:06 / ep |
| Polonium 210 MDC | 0.6 | pCi/L | | | | E912.0 | 03/17/11 13:06 / ep |
| Radium 226 | 0.97 | pCi/L | | 0.13 | | E903.0 | 03/21/11 20:55 / trs |
| Radium 226 precision (±) | 0.20 | pCi/L | | | | E903.0 | 03/21/11 20:55 / trs |
| Radium 226 MDC | 0.13 | pCi/L | | | | E903.0 | 03/21/11 20:55 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 03/25/11 09:27 / dmf |
| Thorium 230 precision (±) | 0.08 | pCi/L | | | | E908.0 | 03/25/11 09:27 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 03/25/11 09:27 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.9 | pCi/L | U | 0.9 | | E909.0 | 04/29/11 05:12 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 04/29/11 05:12 / eli-cs |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 04/29/11 05:12 / eli-cs |
| Polonium 210 | <0.2 | pCi/L | U | 0.2 | | E912.0 | 03/23/11 09:05 / ep |
| Polonium 210 precision (±) | 0.09 | pCi/L | | | | E912.0 | 03/23/11 09:05 / ep |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 03/23/11 09:05 / ep |
| Radium 226 | <0.13 | pCi/L | U | 0.13 | | E903.0 | 03/28/11 21:54 / trs |
| Radium 226 precision (±) | 0.05 | pCi/L | | | | E903.0 | 03/28/11 21:54 / trs |
| Radium 226 MDC | 0.13 | pCi/L | | | | E903.0 | 03/28/11 21:54 / trs |
| Thorium 230 | <0.09 | pCi/L | U | 0.09 | | E908.0 | 03/30/11 11:20 / dmf |
| Thorium 230 precision (±) | 0.08 | pCi/L | | | | E908.0 | 03/30/11 11:20 / dmf |
| Thorium 230 MDC | 0.09 | pCi/L | | | | E908.0 | 03/30/11 11:20 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | -1.85 | % | | | | Calculation | 04/07/11 10:02 / kbh |
| Anions | 3.47 | meq/L | | | | Calculation | 04/07/11 10:02 / kbh |
| Cations | 3.35 | meq/L | | | | Calculation | 04/07/11 10:02 / kbh |
| Solids, Total Dissolved Calculated | 285 | mg/L | | | | Calculation | 04/07/11 10:02 / kbh |
| TDS Balance (0.80 - 1.20) | 0.900 | | | | | Calculation | 04/07/11 10:02 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/05/11

Project: Marsland Expansion Project

Work Order: C11030396

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|--|-------|---------------------------|-------|-----|------|-----------|----------------------|-----|----------|----------------|
| Method: A2320 B | | | | | | | | | | Batch: R143587 |
| Sample ID: MBLK | 3 | Method Blank | | | | | Run: MANTECH_110314A | | | 03/14/11 15:51 |
| Alkalinity, Total as CaCO ₃ | 3 | mg/L | | 1 | | | | | | |
| Carbonate as CO ₃ | ND | mg/L | | 1 | | | | | | |
| Bicarbonate as HCO ₃ | 4 | mg/L | | 1 | | | | | | |
| Sample ID: LCS | | | | | | | | | | 03/14/11 16:05 |
| | | Laboratory Control Sample | | | | | Run: MANTECH_110314A | | | |
| Alkalinity, Total as CaCO ₃ | 212 | mg/L | | 5.0 | 104 | 90 | 110 | | | |
| Sample ID: C11030376-010ADUP | | | | | | | | | | 03/14/11 18:07 |
| | 3 | Sample Duplicate | | | | | Run: MANTECH_110314A | | | |
| Alkalinity, Total as CaCO ₃ | 315 | mg/L | | 5.0 | | | | 0.3 | 10 | |
| Carbonate as CO ₃ | ND | mg/L | | 5.0 | | | | | 10 | |
| Bicarbonate as HCO ₃ | 385 | mg/L | | 5.0 | | | | 0.3 | 10 | |
| Sample ID: C11030376-010AMS | | | | | | | | | | 03/14/11 18:15 |
| | | Sample Matrix Spike | | | | | Run: MANTECH_110314A | | | |
| Alkalinity, Total as CaCO ₃ | 451 | mg/L | | 5.0 | 109 | 80 | 120 | | | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/05/11

Project: Marsland Expansion Project

Work Order: C11030396

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|---|----------|-----|------|-----------|------------|-------------------------------------|----------|----------------|
| Method: A2510 B | | | | | | | | Analytical Run: ORION555A-2_110314B | | |
| Sample ID: ICV2_110314_2 | | Initial Calibration Verification Standard | | | | | | | | 03/14/11 14:13 |
| Conductivity @ 25 C | | 1390 | umhos/cm | 1.0 | 98 | 90 | 110 | | | |
| Method: A2510 B | | | | | | | | Batch: 110314_2_PH-W_555A-2 | | |
| Sample ID: MBLK1_110314_2 | | Method Blank | | | | | | | | 03/14/11 14:10 |
| Conductivity @ 25 C | | 0.5 | umhos/cm | 0.2 | | | | | | |
| Sample ID: C11030396-002BDUP | | Sample Duplicate | | | | | | | | 03/14/11 14:47 |
| Conductivity @ 25 C | | 311 | umhos/cm | 1.0 | | | | 0.3 | 10 | |

Qualifiers:

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MDC - Minimum detectable concentration



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/05/11

Project: Marsland Expansion Project

Work Order: C11030396

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|---------------------------|-------|----|------|-----------|--------------------|-----|----------|----------------|
| Method: A2540 C | | | | | | | | | | Batch: R143680 |
| Sample ID: MBLK1_ | | Method Blank | | | | | Run: BAL-1_110315B | | | 03/15/11 08:58 |
| Solids, Total Dissolved TDS @ 180 C | | ND | mg/L | 4 | | | | | | |
| Sample ID: LCS1_ | | Laboratory Control Sample | | | | | Run: BAL-1_110315B | | | 03/15/11 08:58 |
| Solids, Total Dissolved TDS @ 180 C | | 1010 | mg/L | 10 | 101 | 90 | 110 | | | |
| Sample ID: C11030396-001ADUP | | Sample Duplicate | | | | | Run: BAL-1_110315B | | | 03/15/11 09:04 |
| Solids, Total Dissolved TDS @ 180 C | | 242 | mg/L | 10 | | | | 1.3 | 10 | |
| Sample ID: C11030396-002AMS | | Sample Matrix Spike | | | | | Run: BAL-1_110315B | | | 03/15/11 09:04 |
| Solids, Total Dissolved TDS @ 180 C | | 2280 | mg/L | 10 | 101 | 90 | 110 | | | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/05/11

Project: Marsland Expansion Project

Work Order: C11030396

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------------------------------|--------|-------|-------|------|-----------|------------|-----|----------|-------------------------------------|
| Method: A4500-F C | | | | | | | | | | Batch: R143739 |
| Sample ID: MBLK | Method Blank | | | | | | | | | |
| Fluoride | | 0.02 | mg/L | 0.008 | | | | | | Run: MANTECH_110317A 03/17/11 09:46 |
| Sample ID: LCS | Laboratory Control Sample | | | | | | | | | |
| Fluoride | | 1.02 | mg/L | 0.10 | 100 | 90 | 110 | | | Run: MANTECH_110317A 03/17/11 09:49 |
| Sample ID: C11030396-001BMS | Sample Matrix Spike | | | | | | | | | |
| Fluoride | | 1.59 | mg/L | 0.10 | 106 | 80 | 120 | | | Run: MANTECH_110317A 03/17/11 10:13 |
| Sample ID: C11030396-001BMSD | Sample Matrix Spike Duplicate | | | | | | | | | |
| Fluoride | | 1.59 | mg/L | 0.10 | 106 | 80 | 120 | 0.0 | 10 | Run: MANTECH_110317A 03/17/11 10:15 |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/05/11

Project: Marsland Expansion Project

Work Order: C11030396

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|---|-------|-------------------------------------|------|-----------|------------|----------------|----------|----------------|
| Method: A4500-H B | | | | Analytical Run: ORION555A-2_110314B | | | | | | |
| Sample ID: ICV1_110314_2 | | Initial Calibration Verification Standard | | | | | | | | 03/14/11 14:11 |
| pH | | 6.90 | s.u. | 0.010 | 101 | 98 | 102 | | | |
| Method: A4500-H B | | | | Batch: 110314_2_PH-W_555A-2 | | | | | | |
| Sample ID: C11030396-002BDUP | | Sample Duplicate | | Run: ORION555A-2_110314B | | | | 03/14/11 14:47 | | |
| pH | | 8.02 | s.u. | 0.010 | | | | 0.1 | 3 | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/05/11

Project: Marsland Expansion Project

Work Order: C11030396

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|--------|-------|-------|------|-----------|------------|-----|----------|----------------|
| Method: A4500-NH3 G | | | | | | | | | | Batch: R143734 |
| Sample ID: LCS-5 | | | | | | | | | | |
| Laboratory Control Sample | | | | | | | | | | |
| Run: TECHNICON_110317A | | | | | | | | | | |
| 03/17/11 15:11 | | | | | | | | | | |
| Nitrogen, Ammonia as N | | 1.94 | mg/L | 0.050 | 97 | 90 | 110 | | | |
| Sample ID: C11030323-002DMS | | | | | | | | | | |
| Sample Matrix Spike | | | | | | | | | | |
| Run: TECHNICON_110317A | | | | | | | | | | |
| 03/17/11 15:23 | | | | | | | | | | |
| Nitrogen, Ammonia as N | | 1.76 | mg/L | 0.050 | 88 | 80 | 120 | | | |
| Sample ID: C11030323-002DMSD | | | | | | | | | | |
| Sample Matrix Spike Duplicate | | | | | | | | | | |
| Run: TECHNICON_110317A | | | | | | | | | | |
| 03/17/11 15:27 | | | | | | | | | | |
| Nitrogen, Ammonia as N | | 1.83 | mg/L | 0.050 | 91 | 80 | 120 | 3.9 | 10 | |
| Sample ID: MBLK-35 | | | | | | | | | | |
| Method Blank | | | | | | | | | | |
| Run: TECHNICON_110317A | | | | | | | | | | |
| 03/17/11 16:13 | | | | | | | | | | |
| Nitrogen, Ammonia as N | | ND | mg/L | 0.02 | | | | | | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/05/11

Project: Marsland Expansion Project

Work Order: C11030396

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|-------|--------|-----------|---------------------|-----|----------|----------------|
| Method: E200.7 | | | | | | | | | | Batch: R143647 |
| Sample ID: MB-110315A | 10 | Method Blank | | | | | Run: ICP2-C_110315A | | | 03/15/11 11:56 |
| Aluminum | | 0.01 | mg/L | | 0.01 | | | | | |
| Barium | | 0.003 | mg/L | | 0.0005 | | | | | |
| Boron | | 0.02 | mg/L | | 0.009 | | | | | |
| Calcium | | ND | mg/L | | 0.2 | | | | | |
| Iron | | ND | mg/L | | 0.002 | | | | | |
| Magnesium | | ND | mg/L | | 0.05 | | | | | |
| Potassium | | ND | mg/L | | 0.02 | | | | | |
| Silicon | | 0.010 | mg/L | | 0.007 | | | | | |
| Sodium | | ND | mg/L | | 0.3 | | | | | |
| Zinc | | 0.005 | mg/L | | 0.001 | | | | | |
| Sample ID: LFB-110315A | 10 | Laboratory Fortified Blank | | | | | Run: ICP2-C_110315A | | | 03/15/11 12:01 |
| Aluminum | | 0.900 | mg/L | 0.10 | 87 | 85 | 115 | | | |
| Barium | | 0.950 | mg/L | 0.10 | 93 | 85 | 115 | | | |
| Boron | | 0.949 | mg/L | 0.10 | 91 | 85 | 115 | | | |
| Calcium | | 48.1 | mg/L | 0.50 | 94 | 85 | 115 | | | |
| Iron | | 0.957 | mg/L | 0.030 | 94 | 85 | 115 | | | |
| Magnesium | | 47.3 | mg/L | 0.50 | 93 | 85 | 115 | | | |
| Potassium | | 43.5 | mg/L | 0.50 | 85 | 85 | 115 | | | |
| Silicon | | 0.442 | mg/L | 0.10 | 90 | 85 | 115 | | | |
| Sodium | | 47.7 | mg/L | 0.50 | 93 | 85 | 115 | | | |
| Zinc | | 0.948 | mg/L | 0.010 | 92 | 85 | 115 | | | |
| Sample ID: C11030346-001CMS2 | 10 | Sample Matrix Spike | | | | | Run: ICP2-C_110315A | | | 03/15/11 15:37 |
| Aluminum | | 1.83 | mg/L | 0.10 | 87 | 70 | 130 | | | |
| Barium | | 1.96 | mg/L | 0.10 | 95 | 70 | 130 | | | |
| Boron | | 2.01 | mg/L | 0.10 | 93 | 70 | 130 | | | |
| Calcium | | 99.2 | mg/L | 1.0 | 92 | 70 | 130 | | | |
| Iron | | 1.91 | mg/L | 0.030 | 94 | 70 | 130 | | | |
| Magnesium | | 89.5 | mg/L | 1.0 | 88 | 70 | 130 | | | |
| Potassium | | 94.7 | mg/L | 1.0 | 81 | 70 | 130 | | | |
| Silicon | | 49.3 | mg/L | 0.10 | | 70 | 130 | | | A |
| Sodium | | 241 | mg/L | 1.0 | 95 | 70 | 130 | | | |
| Zinc | | 1.89 | mg/L | 0.010 | 91 | 70 | 130 | | | |
| Sample ID: C11030346-001CMSD | 10 | Sample Matrix Spike Duplicate | | | | | Run: ICP2-C_110315A | | | 03/15/11 15:41 |
| Aluminum | | 1.83 | mg/L | 0.10 | 88 | 70 | 130 | 0.2 | 20 | |
| Barium | | 1.96 | mg/L | 0.10 | 95 | 70 | 130 | 0.2 | 20 | |
| Boron | | 2.04 | mg/L | 0.10 | 95 | 70 | 130 | 1.3 | 20 | |
| Calcium | | 97.6 | mg/L | 1.0 | 91 | 70 | 130 | 1.6 | 20 | |
| Iron | | 1.85 | mg/L | 0.030 | 91 | 70 | 130 | 3.3 | 20 | |
| Magnesium | | 88.2 | mg/L | 1.0 | 86 | 70 | 130 | 1.4 | 20 | |
| Potassium | | 95.5 | mg/L | 1.0 | 82 | 70 | 130 | 0.8 | 20 | |
| Silicon | | 48.4 | mg/L | 0.10 | | 70 | 130 | 1.8 | 20 | A |
| Sodium | | 236 | mg/L | 1.0 | 89 | 70 | 130 | 2.4 | 20 | |
| Zinc | | 1.84 | mg/L | 0.010 | 89 | 70 | 130 | 2.7 | 20 | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/05/11

Project: Marsland Expansion Project

Work Order: C11030396

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|--------|------|-----------|---------------------|-----|----------|----------------|
| Method: E200.7 | | | | | | | | | | Batch: R144155 |
| Sample ID: MB-110328A | 7 | Method Blank | | | | | Run: ICP2-C_110328A | | | 03/28/11 13:07 |
| Chromium | | ND | mg/L | 0.002 | | | | | | |
| Copper | | ND | mg/L | 0.001 | | | | | | |
| Manganese | | ND | mg/L | 0.0004 | | | | | | |
| Molybdenum | | ND | mg/L | 0.005 | | | | | | |
| Nickel | | ND | mg/L | 0.003 | | | | | | |
| Vanadium | | 0.0001 | mg/L | | | | | | | |
| Zinc | | ND | mg/L | 0.001 | | | | | | |
| Sample ID: LFB-110328A | 7 | Laboratory Fortified Blank | | | | | Run: ICP2-C_110328A | | | 03/28/11 13:11 |
| Chromium | | 0.948 | mg/L | 0.050 | 95 | 85 | 115 | | | |
| Copper | | 0.940 | mg/L | 0.010 | 94 | 85 | 115 | | | |
| Manganese | | 0.940 | mg/L | 0.010 | 94 | 85 | 115 | | | |
| Molybdenum | | 0.964 | mg/L | 0.10 | 96 | 85 | 115 | | | |
| Nickel | | 0.989 | mg/L | 0.050 | 99 | 85 | 115 | | | |
| Vanadium | | 0.981 | mg/L | 0.10 | 98 | 85 | 115 | | | |
| Zinc | | 0.964 | mg/L | 0.010 | 96 | 85 | 115 | | | |
| Sample ID: C11030523-001BMS2 | 7 | Sample Matrix Spike | | | | | Run: ICP2-C_110328A | | | 03/28/11 14:16 |
| Chromium | | 48.7 | mg/L | 0.093 | 96 | 70 | 130 | | | |
| Copper | | 49.3 | mg/L | 0.074 | 97 | 70 | 130 | | | |
| Manganese | | 50.7 | mg/L | 0.018 | 97 | 70 | 130 | | | |
| Molybdenum | | 49.3 | mg/L | 0.24 | 97 | 70 | 130 | | | |
| Nickel | | 48.1 | mg/L | 0.14 | 94 | 70 | 130 | | | |
| Vanadium | | 50.4 | mg/L | 1.5 | 99 | 70 | 130 | | | |
| Zinc | | 47.5 | mg/L | 0.075 | 93 | 70 | 130 | | | |
| Sample ID: C11030523-001BMSD | 7 | Sample Matrix Spike Duplicate | | | | | Run: ICP2-C_110328A | | | 03/28/11 14:20 |
| Chromium | | 47.6 | mg/L | 0.093 | 93 | 70 | 130 | 2.3 | 20 | |
| Copper | | 49.1 | mg/L | 0.074 | 96 | 70 | 130 | 0.4 | 20 | |
| Manganese | | 50.1 | mg/L | 0.018 | 96 | 70 | 130 | 1.3 | 20 | |
| Molybdenum | | 48.6 | mg/L | 0.24 | 95 | 70 | 130 | 1.4 | 20 | |
| Nickel | | 47.7 | mg/L | 0.14 | 94 | 70 | 130 | 0.9 | 20 | |
| Vanadium | | 50.1 | mg/L | 1.5 | 98 | 70 | 130 | 0.6 | 20 | |
| Zinc | | 47.4 | mg/L | 0.075 | 92 | 70 | 130 | 0.2 | 20 | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/05/11

Project: Marsland Expansion Project

Work Order: C11030396

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------------------------------|-------------------------------|-------|---------|------|-----------|------------|-----|----------|--------------------------------------|
| Method: E200.8 | | | | | | | | | | Batch: 29300 |
| Sample ID: MB-29300 | Method Blank | | | | | | | | | Run: ICPMS2-C_110318A 03/19/11 02:22 |
| Uranium | | 0.0004 | mg/L | 6E-05 | | | | | | |
| Sample ID: LCS2-29300 | Laboratory Control Sample | | | | | | | | | Run: ICPMS2-C_110318A 03/19/11 02:26 |
| Uranium | | 0.0980 | mg/L | 0.00030 | 98 | 85 | 115 | | | |
| Sample ID: C11030468-010HMS | Sample Matrix Spike | | | | | | | | | Run: ICPMS2-C_110318A 03/19/11 04:05 |
| Uranium | | 0.00454 | mg/L | 0.00030 | 102 | 70 | 130 | | | |
| Sample ID: C11030468-010HMSD | Sample Matrix Spike Duplicate | | | | | | | | | Run: ICPMS2-C_110318A 03/19/11 04:09 |
| Uranium | | 0.00452 | mg/L | 0.00030 | 102 | 70 | 130 | 0.5 | 20 | |
| Method: E200.8 | | | | | | | | | | Batch: R143967 |
| Sample ID: LRB | 6 | Method Blank | | | | | | | | Run: ICPMS2-C_110323A 03/23/11 12:03 |
| Arsenic | | 7E-05 | mg/L | 6E-05 | | | | | | |
| Cadmium | | ND | mg/L | 1E-05 | | | | | | |
| Lead | | ND | mg/L | 3E-05 | | | | | | |
| Mercury | | ND | mg/L | 8E-05 | | | | | | |
| Selenium | | 0.0004 | mg/L | 0.0002 | | | | | | |
| Uranium | | ND | mg/L | 1E-05 | | | | | | |
| Sample ID: LFB | 6 | Laboratory Fortified Blank | | | | | | | | Run: ICPMS2-C_110323A 03/23/11 12:10 |
| Arsenic | | 0.0528 | mg/L | 0.0010 | 105 | 85 | 115 | | | |
| Cadmium | | 0.0534 | mg/L | 0.0010 | 107 | 85 | 115 | | | |
| Lead | | 0.0532 | mg/L | 0.0010 | 106 | 85 | 115 | | | |
| Mercury | | 0.00539 | mg/L | 0.0010 | 108 | 85 | 115 | | | |
| Selenium | | 0.0523 | mg/L | 0.0010 | 104 | 85 | 115 | | | |
| Uranium | | 0.0520 | mg/L | 0.00030 | 104 | 85 | 115 | | | |
| Sample ID: C11030468-002CMS4 | 6 | Sample Matrix Spike | | | | | | | | Run: ICPMS2-C_110323A 03/23/11 19:34 |
| Arsenic | | 0.0570 | mg/L | 0.0010 | 108 | 70 | 130 | | | |
| Cadmium | | 0.0486 | mg/L | 0.010 | 97 | 70 | 130 | | | |
| Lead | | 0.0542 | mg/L | 0.050 | 107 | 70 | 130 | | | |
| Mercury | | 0.00520 | mg/L | 0.0010 | 104 | 70 | 130 | | | |
| Selenium | | 0.0509 | mg/L | 0.0010 | 97 | 70 | 130 | | | |
| Uranium | | 0.0581 | mg/L | 0.00030 | 110 | 70 | 130 | | | |
| Sample ID: C11030468-002CMSD | 6 | Sample Matrix Spike Duplicate | | | | | | | | Run: ICPMS2-C_110323A 03/23/11 19:41 |
| Arsenic | | 0.0541 | mg/L | 0.0010 | 102 | 70 | 130 | 5.2 | 20 | |
| Cadmium | | 0.0474 | mg/L | 0.010 | 95 | 70 | 130 | 2.5 | 20 | |
| Lead | | 0.0528 | mg/L | 0.050 | 105 | 70 | 130 | 2.7 | 20 | |
| Mercury | | 0.00502 | mg/L | 0.0010 | 100 | 70 | 130 | 3.6 | 20 | |
| Selenium | | 0.0492 | mg/L | 0.0010 | 94 | 70 | 130 | 3.5 | 20 | |
| Uranium | | 0.0565 | mg/L | 0.00030 | 106 | 70 | 130 | 2.9 | 20 | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/05/11

Project: Marsland Expansion Project

Work Order: C11030396

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|---|-------|--------|-------|--------|------|-----------------------|------------|----------------|----------|-----------------|
| Method: E200.8 | | | | | | | | | | Batch: R144419A |
| Sample ID: C11030665-004CMS4 2 Sample Matrix Spike | | | | | | | | | | |
| | | | | | | Run: ICPMS4-C_110404A | | 04/04/11 17:26 | | |
| Arsenic | | 0.0534 | mg/L | 0.0010 | 98 | 70 | 130 | | | |
| Selenium | | 0.0559 | mg/L | 0.0010 | 108 | 70 | 130 | | | |
| Sample ID: C11030665-004CMSD 2 Sample Matrix Spike Duplicate | | | | | | | | | | |
| | | | | | | Run: ICPMS4-C_110404A | | 04/04/11 18:01 | | |
| Arsenic | | 0.0552 | mg/L | 0.0010 | 101 | 70 | 130 | 3.2 | 20 | |
| Selenium | | 0.0575 | mg/L | 0.0010 | 111 | 70 | 130 | 2.7 | 20 | |
| Sample ID: LRB 2 Method Blank | | | | | | | | | | |
| | | | | | | Run: ICPMS4-C_110404A | | 04/04/11 12:28 | | |
| Arsenic | | ND | mg/L | 4E-05 | | | | | | |
| Selenium | | ND | mg/L | 5E-05 | | | | | | |
| Sample ID: LFB 2 Laboratory Fortified Blank | | | | | | | | | | |
| | | | | | | Run: ICPMS4-C_110404A | | 04/04/11 12:35 | | |
| Arsenic | | 0.0538 | mg/L | 0.0010 | 108 | 85 | 115 | | | |
| Selenium | | 0.0539 | mg/L | 0.0010 | 108 | 85 | 115 | | | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Expansion Project

Report Date: 05/05/11
Work Order: C11030396

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|---|-------|------|------|-----------|------------|-------------------------------|----------|----------------|
| Method: E300.0 | | | | | | | | Analytical Run: IC2-C_110315A | | |
| Sample ID: ICV | 2 | Initial Calibration Verification Standard | | | | | | | | 03/15/11 12:16 |
| Chloride | | 10.0 | mg/L | 1.0 | 100 | 90 | 110 | | | |
| Sulfate | | 40.1 | mg/L | 1.0 | 100 | 90 | 110 | | | |
| Method: E300.0 | | | | | | | | Batch: R143695 | | |
| Sample ID: MBLK | 2 | Method Blank | | | | | | | | 03/15/11 12:32 |
| Chloride | | ND | mg/L | 0.06 | | | | | | |
| Sulfate | | 0.2 | mg/L | 0.2 | | | | | | |
| Sample ID: LFB | 2 | Laboratory Fortified Blank | | | | | | | | 03/15/11 13:02 |
| Chloride | | 12.4 | mg/L | 1.0 | 100 | 90 | 110 | | | |
| Sulfate | | 50.2 | mg/L | 1.0 | 100 | 90 | 110 | | | |
| Sample ID: LCS | 2 | Laboratory Control Sample | | | | | | | | 03/15/11 20:30 |
| Chloride | | 10.0 | mg/L | 1.0 | 100 | 90 | 110 | | | |
| Sulfate | | 40.2 | mg/L | 1.0 | 100 | 90 | 110 | | | |
| Sample ID: C11030391-002BMS | 2 | Sample Matrix Spike | | | | | | | | 03/16/11 04:43 |
| Chloride | | 56.9 | mg/L | 1.0 | 101 | 80 | 120 | | | |
| Sulfate | | 289 | mg/L | 1.6 | 98 | 80 | 120 | | | |
| Sample ID: C11030391-002BMSD | 2 | Sample Matrix Spike Duplicate | | | | | | | | 03/16/11 04:58 |
| Chloride | | 56.4 | mg/L | 1.0 | 99 | 80 | 120 | 0.8 | 10 | |
| Sulfate | | 287 | mg/L | 1.6 | 96 | 80 | 120 | 0.6 | 10 | |

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/05/11

Project: Marsland Expansion Project

Work Order: C11030396

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|------|------|------------------------|------------|----------------|----------|----------------|
| Method: E353.2 | | | | | | | | | | Batch: R143975 |
| Sample ID: MBLK-1 | | | | | | | | | | |
| | | Method Blank | | | | Run: TECHNICON_110323A | | 03/23/11 17:24 | | |
| Nitrogen, Nitrate+Nitrite as N | | ND | mg/L | 0.06 | | | | | | |
| Sample ID: LCS-2 | | | | | | | | | | |
| | | Laboratory Control Sample | | | | Run: TECHNICON_110323A | | 03/23/11 17:26 | | |
| Nitrogen, Nitrate+Nitrite as N | | 2.61 | mg/L | 0.10 | 104 | 90 | 110 | | | |
| Sample ID: C11030377-001DMS | | | | | | | | | | |
| | | Sample Matrix Spike | | | | Run: TECHNICON_110323A | | 03/23/11 17:41 | | |
| Nitrogen, Nitrate+Nitrite as N | | 2.07 | mg/L | 0.10 | 106 | 90 | 110 | | | |
| Sample ID: C11030377-001DMSD | | | | | | | | | | |
| | | Sample Matrix Spike Duplicate | | | | Run: TECHNICON_110323A | | 03/23/11 17:44 | | |
| Nitrogen, Nitrate+Nitrite as N | | 2.10 | mg/L | 0.10 | 107 | 90 | 110 | 1.4 | 10 | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/05/11

Project: Marsland Expansion Project

Work Order: C11030396

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------------------------------|--------|-------|-----------------------------|------|-----------|----------------|-----|----------|-------------------|
| Method: E903.0 | | | | | | | | | | Batch: 29300 |
| Sample ID: C11030468-004HMS | Sample Matrix Spike | | | Run: BERTHOLD 770-2_110322A | | | 03/28/11 21:54 | | | |
| Radium 226 | | 9.0 | pCi/L | 87 | | 70 | 130 | | | |
| Sample ID: C11030468-004HMSD | Sample Matrix Spike Duplicate | | | Run: BERTHOLD 770-2_110322A | | | 03/29/11 00:38 | | | |
| Radium 226 | | 8.6 | pCi/L | 84 | | 70 | 130 | 4.2 | 27.9 | |
| Sample ID: LCS-29300 | Laboratory Control Sample | | | Run: BERTHOLD 770-2_110322A | | | 03/29/11 00:38 | | | |
| Radium 226 | | 11 | pCi/L | 94 | | 85 | 115 | | | |
| Sample ID: MB-29300 | 3 Method Blank | | | Run: BERTHOLD 770-2_110322A | | | 03/29/11 00:38 | | | |
| Radium 226 | | -0.2 | pCi/L | | | | | | | U |
| Radium 226 precision (\pm) | | 0.1 | pCi/L | | | | | | | |
| Radium 226 MDC | | 0.3 | pCi/L | | | | | | | |
| Method: E903.0 | | | | | | | | | | Batch: RA226-5235 |
| Sample ID: C11030211-003DMS | Sample Matrix Spike | | | Run: TENNELEC-3_110315B | | | 03/21/11 17:17 | | | |
| Radium 226 | | 14 | pCi/L | 109 | | 70 | 130 | | | |
| Sample ID: C11030211-003DMSD | Sample Matrix Spike Duplicate | | | Run: TENNELEC-3_110315B | | | 03/21/11 17:17 | | | |
| Radium 226 | | 14 | pCi/L | 111 | | 70 | 130 | 1.7 | 25.1 | |
| Sample ID: LCS-RA226-5235 | Laboratory Control Sample | | | Run: TENNELEC-3_110315B | | | 03/21/11 20:55 | | | |
| Radium 226 | | 6.2 | pCi/L | 95 | | 85 | 115 | | | |
| Sample ID: MB-RA226-5235 | 3 Method Blank | | | Run: TENNELEC-3_110315B | | | 03/21/11 20:55 | | | |
| Radium 226 | | 0.2 | pCi/L | | | | | | | |
| Radium 226 precision (\pm) | | 0.1 | pCi/L | | | | | | | |
| Radium 226 MDC | | 0.1 | pCi/L | | | | | | | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

U - Not detected at minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/05/11

Project: Marsland Expansion Project

Work Order: C11030396

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|--------------------------------------|-------------------------------|--------------|-------|------------------------|------|-----------|----------------|-----|----------|-----------------------|
| Method: E908.0 | | | | | | | | | | Batch: RA-TH-ISO-1350 |
| Sample ID: LCS-RA-TH-ISO-1350 | Laboratory Control Sample | | | Run: EGG-ORTEC_110323A | | | 03/25/11 09:27 | | | |
| Thorium 230 | | 5.3 | pCi/L | 103 | | 70 | 130 | | | |
| Sample ID: C11030665-001DMS | Sample Matrix Spike | | | Run: EGG-ORTEC_110323A | | | 03/25/11 13:40 | | | |
| Thorium 230 | | 10 | pCi/L | 90 | | 70 | 130 | | | |
| Sample ID: C11030665-001DMSD | Sample Matrix Spike Duplicate | | | Run: EGG-ORTEC_110323A | | | 03/25/11 13:40 | | | |
| Thorium 230 | | 10 | pCi/L | 88 | | 70 | 130 | 0.8 | 36.5 | |
| Sample ID: MB-RA-TH-ISO-1350 | 3 | Method Blank | | Run: EGG-ORTEC_110323A | | | 03/25/11 13:40 | | | |
| Thorium 230 | | 0.02 | pCi/L | | | | | | | U |
| Thorium 230 precision (\pm) | | 0.05 | pCi/L | | | | | | | |
| Thorium 230 MDC | | 0.10 | pCi/L | | | | | | | |
| Method: E908.0 | | | | | | | | | | Batch: 29300 |
| Sample ID: C11030468-005HMS | Sample Matrix Spike | | | Run: EGG-ORTEC_110328D | | | 03/30/11 16:22 | | | |
| Thorium 230 | | 8.7 | pCi/L | 102 | | 70 | 130 | | | |
| Sample ID: C11030468-005HMSD | Sample Matrix Spike Duplicate | | | Run: EGG-ORTEC_110328D | | | 03/30/11 16:22 | | | |
| Thorium 230 | | 7.9 | pCi/L | 94 | | 70 | 130 | 9.6 | 46.6 | |
| Sample ID: LCS-29300 | Laboratory Control Sample | | | Run: EGG-ORTEC_110328D | | | 03/30/11 16:22 | | | |
| Thorium 230 | | 11 | pCi/L | 113 | | 70 | 130 | | | |
| Sample ID: MB-29300 | 3 | Method Blank | | Run: EGG-ORTEC_110328D | | | 03/30/11 16:22 | | | |
| Thorium 230 | | -0.2 | pCi/L | | | | | | | U |
| Thorium 230 precision (\pm) | | 0.2 | pCi/L | | | | | | | |
| Thorium 230 MDC | | 0.2 | pCi/L | | | | | | | |

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



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Helena, MT 877-472-0711 • Billings, MT 800-735-4489 • Casper, WY 888-235-0515
Gillette, WY 866-686-7175 • Rapid City, SD 888-672-1225 • College Station, TX 888-690-2218

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Expansion Project

Report Date: 05/05/11
Work Order: C11030396

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|--------------------------------------|--------------|-------|-----------------|------|-----------|----------------|-----|----------|----------------------|
| Method: E909.0 | | | | | | | | | | Batch: T_PB-210-0084 |
| Sample ID: LCS-PB-210-0084 | Laboratory Control Sample | | | Run: SUB-T39702 | | | 03/24/11 20:59 | | | |
| Lead 210 | | 50 | pCi/L | 94 | | 70 | 130 | | | |
| Sample ID: MB-PB-210-0084 | 3 | Method Blank | | Run: SUB-T39702 | | | 03/24/11 18:47 | | | |
| Lead 210 | | -0.5 | pCi/L | | | | | | | U |
| Lead 210 precision (±) | | 0.9 | pCi/L | | | | | | | |
| Lead 210 MDC | | 1 | pCi/L | | | | | | | |
| Sample ID: TAP WATERMS | Laboratory Fortified Blank | | | Run: SUB-T39702 | | | 03/25/11 01:22 | | | |
| Lead 210 | | 52 | pCi/L | 99 | | 70 | 130 | | | |
| Sample ID: TAP WATERMSD | Laboratory Fortified Blank Duplicate | | | Run: SUB-T39702 | | | 03/25/11 03:33 | | | |
| Lead 210 | | 47 | pCi/L | 88 | | 70 | 130 | 11 | 30 | |
| Method: E909.0 | | | | | | | | | | Batch: T_13600 |
| Sample ID: T11030079-001HMSD | Sample Matrix Spike Duplicate | | | Run: SUB-T40146 | | | 04/29/11 03:01 | | | |
| Lead 210 | | 53 | pCi/L | 85 | | 70 | 130 | 4.2 | 16.3 | |
| Sample ID: MB-13600 / 29300 | 3 | Method Blank | | Run: SUB-T40146 | | | 04/28/11 18:15 | | | |
| Lead 210 | | -0.4 | pCi/L | | | | | | | U |
| Lead 210 precision (±) | | 6 | pCi/L | | | | | | | |
| Lead 210 MDC | | 10 | pCi/L | | | | | | | |
| Sample ID: LCS-13600 / 29300 | Laboratory Control Sample | | | Run: SUB-T40146 | | | 04/28/11 20:26 | | | |
| Lead 210 | | 300 | pCi/L | 84 | | 70 | 130 | | | |
| Sample ID: T11030079-001HMS | Sample Matrix Spike | | | Run: SUB-T40146 | | | 04/29/11 00:49 | | | |
| Lead 210 | | 56 | pCi/L | 89 | | 70 | 130 | | | |

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/05/11

Project: Marsland Expansion Project

Work Order: C11030396

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------------------------------|--------|-------|------------------------|------|-----------|----------------|-----|----------|-------------------|
| Method: E912.0 | | | | | | | | | | Batch: PO210-0351 |
| Sample ID: C11030396-002FMS | Sample Matrix Spike | | | Run: EGG-ORTEC_110316B | | | 03/17/11 13:06 | | | |
| Polonium 210 | 11 | | pCi/L | 82 | | 70 | 130 | | | |
| Sample ID: C11030396-002FMSD | Sample Matrix Spike Duplicate | | | Run: EGG-ORTEC_110316B | | | 03/17/11 13:06 | | | |
| Polonium 210 | 10 | | pCi/L | 78 | | 70 | 130 | 5.0 | 76 | |
| Sample ID: MB-PO210-0351 | 3 Method Blank | | | Run: EGG-ORTEC_110316B | | | 03/17/11 13:06 | | | |
| Polonium 210 | | -0.03 | pCi/L | | | | | | | U |
| Polonium 210 precision (\pm) | | 0.3 | pCi/L | | | | | | | |
| Polonium 210 MDC | | 0.8 | pCi/L | | | | | | | |
| Sample ID: LCS-PO210-0351 | Laboratory Control Sample | | | Run: EGG-ORTEC_110316B | | | 03/17/11 13:06 | | | |
| Polonium 210 | | 7.2 | pCi/L | 113 | | 70 | 130 | | | |
| Method: E912.0 | | | | | | | | | | Batch: 29300 |
| Sample ID: C11030399-001EMS | Sample Matrix Spike | | | Run: EGG-ORTEC_110321C | | | 03/23/11 09:05 | | | |
| Polonium 210 | 5.5 | | pCi/L | 102 | | 70 | 130 | | | |
| Sample ID: C11030399-001EMSD | Sample Matrix Spike Duplicate | | | Run: EGG-ORTEC_110321C | | | 03/23/11 09:05 | | | |
| Polonium 210 | 4.6 | | pCi/L | 85 | | 70 | 130 | 18 | 75.5 | |
| Sample ID: LCS-29300 | Laboratory Control Sample | | | Run: EGG-ORTEC_110321C | | | 03/23/11 11:24 | | | |
| Polonium 210 | 30 | | pCi/L | 96 | | 70 | 130 | | | |
| Sample ID: MB-29300 | 3 Method Blank | | | Run: EGG-ORTEC_110321C | | | 03/23/11 11:24 | | | |
| Polonium 210 | | 0.8 | pCi/L | | | | | | | U |
| Polonium 210 precision (\pm) | | 1 | pCi/L | | | | | | | |
| Polonium 210 MDC | | 2 | pCi/L | | | | | | | |

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration

Workorder Receipt Checklist



C11030396

Login completed by: Corinne Wagner

Date Received: 3/14/2011

Reviewed by: BL2000\tedwards

Received by: ckw

Reviewed Date: 3/17/2011

 Carrier Next Day Air
 name:

| | | | |
|---|---|-----------------------------|--|
| Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Container/Temp Blank temperature: | 7.2°C On Ice | | |
| Water - VOA vials have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | No VOA vials submitted <input checked="" type="checkbox"/> |
| Water - pH acceptable upon receipt? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Applicable <input type="checkbox"/> |

 Contact and Corrective Action Comments:

Samples for dissolved Radiochemistry were subsampled, filtered and preserved with 2 mL HNO₃ in lab upon receipt to pH <2.



Chain of Custody and Analytical Request Record

Page 1 of 1

PLEASE PRINT- Provide as much information as possible.

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|--|---|--|-----------------------------|--|---|---|-----------------------------|--|---|--|---------------------------|--|--|--|----------------------------|--|------------------------------------|--|---|--|---|--|---|--|--|--|---|--|--|--|
| Company Name: Crow Butte Resources, Inc. | | | Project Name, PWS, Permit, Etc. Marsland Expansion Project | | | Sample Origin State: NE | | | EPA/State Compliance: Yes <input type="checkbox"/> No <input type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | |
| Report Mail Address: P.O. Box 169 Crawford, NE 69339 | | | Contact Name: Larry Teahon | | | Phone/Fax: 308-665-2341 | | | Email: Larry_Teahon@cameco.com | | | Sampler: (Please Print) Brooke Bass Rhonda Pelton | | | | | | | | | | | | | | | | | | | | | |
| Invoice Address: P.O. Box 169 Crawford, NE 69339 | | | Invoice Contact & Phone: Larry Teahon 308-665-2215 ext 114 | | | | | | Purchase Order: 1125 | | | Quote/Bottle Order: | | | | | | | | | | | | | | | | | | | | | |
| Special Report/Formats – ELI must be notified prior to sample submittal for the following: <input type="checkbox"/> DW <input type="checkbox"/> A2LA <input type="checkbox"/> GSA <input type="checkbox"/> EDD/EDT (Electronic Data) <input type="checkbox"/> POTW/WWTP <input type="checkbox"/> Format: _____ <input type="checkbox"/> State: _____ <input type="checkbox"/> LEVEL IV <input type="checkbox"/> Other: _____ <input type="checkbox"/> NELAC | | | | ANALYSIS REQUESTED Number of Containers Sample Type: A W S V B O Air Water Soils/Solids Vegetation Bioassay Other | | | | SEE ATTACHED Normal Turnaround (TAT) | | | | R U S H Contact ELI prior to RUSH sample submittal for charges and scheduling – See Instruction Page Comments: NDEQ parameters for baseline sampling. Report on separate sheets. Analyze as per WDEQ Guideline 8 and NRC Reg. Guide 4.14 reqmts. Record U as mg/l and µCi/ml and radiometrics as pCi/l | | | | Shipped by: NDX | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | Cooler ID(s): Client | | | | | | | | | | | | | | | | | |
| SAMPLE IDENTIFICATION (Name, Location, Interval, etc.) | | | | Collection Date | | Collection Time | | MATRIX | | RAW-F, Common Ions | | RAW-UF, Alkalinity | | H2SO4-F, NO2, NO3, NH4 | | RAW-UF, Ra226, Po210 dissolved & suspended | | HNO3-F-Metals | | RAW-UF-Pb210 dissolved & suspended | | RAW-UF-Th230, U nat dissolved & suspended | | SEE ATTACHED Normal Turnaround (TAT) | | R U S H Contact ELI prior to RUSH sample submittal for charges and scheduling – See Instruction Page Comments: NDEQ parameters for baseline sampling. Report on separate sheets. Analyze as per WDEQ Guideline 8 and NRC Reg. Guide 4.14 reqmts. Record U as mg/l and µCi/ml and radiometrics as pCi/l | | Receipt Temp 7.2 °C | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | On Ice: <input checked="" type="radio"/> Yes <input type="radio"/> No | | | | | |
| 1 E. Driller's Well | | | | 3/11/11 | | | | W | | 1 | | 1 | | 1G | | .5 | | 1 | | 1 | | | | | | | | Please report 4/29/11 | | Custody Seal Y <input checked="" type="checkbox"/> N Intact Y N Signature Match Y N | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 W. Driller's Well | | | | 3/11/11 | | | | W | | 1 | | 1 | | 1G | | .5 | | 1 | | 1 | | | | | | | | Please report 4/29/11 | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Custody Record MUST be Signed | | | | Relinquished by (print): Rhonda Pelton | | Date/Time: 3-11-11 12:45 | | Signature: Rhonda Pelton | | Received by (print): UPS | | Date/Time: 3/14/11 9:40 | | Signature: [Signature] | | Received by Laboratory: [Signature] | | Date/Time: 3/14/11 9:40 | | Signature: [Signature] | | | | | | | | | | | | | |
| | | | | Relinquished by (print): | | Date/Time: | | Signature: | | Received by (print): | | Date/Time: | | Signature: | | Received by Laboratory: | | Date/Time: | | Signature: | | | | | | | | | | | | | |
| | | | | Sample Disposal: | | Return to Client: No | | Lab Disposal: YES | | | | | | | | | | | | | | | | | | | | | | | | | |

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report. Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.



ANALYTICAL SUMMARY REPORT

April 19, 2011

Crow Butte Resources
86 Crow Butte Rd
Crawford, NE 69339

Workorder No.: C11030665 Quote ID: C1125 - Crow Butte Uranium

Project Name: Marsland G-8 Samples

Energy Laboratories, Inc. Casper WY received the following 4 samples for Crow Butte Resources on 3/22/2011 for analysis.

| Sample ID | Client Sample ID | Collect Date | Receive Date | Matrix | Test |
|---------------|------------------|---------------|--------------|---------|--|
| C11030665-001 | BOW 2010-2 | 03/18/11 0:00 | 03/22/11 | Aqueous | Metals by ICP/ICPMS, Dissolved Alkalinity QA Calculations Conductivity Sample Filtering Fluoride E300.0 Anions Uranium, Suspended Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Digestion, Total Metals Lead 210, Dissolved Lead 210, Suspended Polonium 210, Dissolved Polonium 210, Suspended Radium 226, Dissolved Radium 226, Suspended Thorium, Isotopic Thorium, Suspended Isotopic Solids, Total Dissolved |
| C11030665-002 | BOW 2010-3 | 03/18/11 0:00 | 03/22/11 | Aqueous | Same As Above |
| C11030665-003 | BOW 2010-5 | 03/18/11 0:00 | 03/22/11 | Aqueous | Same As Above |
| C11030665-004 | BOW 2010-6 | 03/18/11 0:00 | 03/22/11 | Aqueous | Same As Above |

This report was prepared by Energy Laboratories, Inc., 2393 Salt Creek Hwy., Casper, WY 82601. Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

The results as reported relate only to the item(s) submitted for testing.

If you have any questions regarding these test results, please call.

Report Approved By:



CLIENT: Crow Butte Resources
Project: Marsland G-8 Samples
Sample Delivery Group: C11030665

Report Date: 04/19/11

CASE NARRATIVE

BRANCH LABORATORY SUBCONTRACT ANALYSIS

Tests associated with analyst identified as ELI-CS were subcontracted to Energy Laboratories, 415 Graham Rd., College Station, TX, EPA Number TX01520.

RADIOCHEMISTRY ANALYSIS

Per client request, results less than MDC (or precision if no MDC), are reported as <MDC (or <precision). Actual instrument results are available by request.

ORIGINAL SAMPLE SUBMITTAL(S)

All original sample submittals have been returned with the data package.

SAMPLE TEMPERATURE COMPLIANCE: 4°C (±2°C)

Temperature of samples received may not be considered properly preserved by accepted standards. Samples that are hand delivered immediately after collection shall be considered acceptable if there is evidence that the chilling process has begun.

GROSS ALPHA ANALYSIS

Method 900.0 for gross alpha and gross beta is intended as a drinking water method for low TDS waters. Data provided by this method for non potable waters should be viewed as inconsistent.

SOIL/SOLID SAMPLES

All samples reported on an as received basis unless otherwise indicated.

SUBCONTRACTING ANALYSIS

Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.

BRANCH LABORATORY LOCATIONS

eli-b - Energy Laboratories, Inc. - Billings, MT
eli-g - Energy Laboratories, Inc. - Gillette, WY
eli-h - Energy Laboratories, Inc. - Helena, MT
eli-r - Energy Laboratories, Inc. - Rapid City, SD
eli-t - Energy Laboratories, Inc. - College Station, TX

CERTIFICATIONS:

USEPA: WY00002; FL-DOH NELAC: E87641; California: 02118CA
Oregon: WY200001; Utah: 3072350515; Virginia: 00057; Washington: C1903

ISO 17025 DISCLAIMER:

The results of this Analytical Report relate only to the items submitted for analysis.

ENERGY LABORATORIES, INC. - CASPER, WY certifies that certain method selections contained in this report meet requirements as set forth by the above accrediting authorities. Some results requested by the client may not be covered under these certifications. All analysis data to be submitted for regulatory enforcement should be certified in the sample state of origin. Please verify ELI's certification coverage by visiting www.energylab.com

ELI appreciates the opportunity to provide you with this analytical service. For additional information and services visit our web page www.energylab.com.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland G-8 Samples
Lab ID: C11030665-001
Client Sample ID: BOW 2010-2

Report Date: 04/19/11
Collection Date: 03/18/11
Date Received: 03/22/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 187 | mg/L | | 1 | | A2320 B | 03/23/11 18:55 / jba |
| Carbonate as CO ₃ | 52 | mg/L | | 1 | | A2320 B | 03/23/11 18:55 / jba |
| Bicarbonate as HCO ₃ | 122 | mg/L | | 1 | | A2320 B | 03/23/11 18:55 / jba |
| Calcium | 6 | mg/L | | 1 | | E200.7 | 03/28/11 15:21 / cp |
| Chloride | 32 | mg/L | | 1 | | E300.0 | 03/24/11 17:39 / ljl |
| Fluoride | 0.4 | mg/L | | 0.1 | | A4500-F C | 03/23/11 14:32 / jba |
| Magnesium | ND | mg/L | | 1 | | E200.7 | 03/28/11 15:21 / cp |
| Nitrogen, Ammonia as N | ND | mg/L | | 0.05 | | A4500-NH ₃ G | 03/28/11 13:09 / dc |
| Nitrogen, Nitrate+Nitrite as N | 1.1 | mg/L | | 0.1 | | E353.2 | 03/25/11 11:58 / dc |
| Potassium | 12 | mg/L | | 1 | | E200.7 | 03/28/11 15:21 / cp |
| Silica | 95.1 | mg/L | | 0.2 | | E200.7 | 03/28/11 15:21 / cp |
| Sodium | 112 | mg/L | | 1 | | E200.7 | 03/28/11 15:21 / cp |
| Sulfate | 39 | mg/L | D | 2 | | E300.0 | 03/24/11 17:39 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 542 | umhos/cm | | 1 | | A2510 B | 03/23/11 09:47 / lmc |
| pH | 9.58 | s.u. | | 0.01 | | A4500-H B | 03/23/11 09:47 / lmc |
| Solids, Total Dissolved TDS @ 180 C | 396 | mg/L | | 10 | | A2540 C | 03/23/11 16:31 / lmc |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.7 | 03/28/11 15:21 / cp |
| Arsenic | 0.004 | mg/L | | 0.001 | | E200.8 | 03/24/11 02:15 / sml |
| Barium | ND | mg/L | | 0.1 | | E200.8 | 03/24/11 02:15 / sml |
| Boron | ND | mg/L | | 0.1 | | E200.7 | 03/28/11 15:21 / cp |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 03/24/11 02:15 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 03/24/11 02:15 / sml |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 03/24/11 02:15 / sml |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 03/28/11 15:21 / cp |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 03/24/11 02:15 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 03/24/11 02:15 / sml |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 04/04/11 16:58 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 03/24/11 02:15 / sml |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 03/24/11 02:15 / sml |
| Selenium | 0.001 | mg/L | | 0.001 | | E200.8 | 03/24/11 02:15 / sml |
| Uranium | 0.0032 | mg/L | | 0.0003 | | E200.8 | 03/24/11 02:15 / sml |
| Uranium, Activity | 2.2E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 03/24/11 02:15 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 03/24/11 02:15 / sml |
| Zinc | 0.07 | mg/L | | 0.01 | | E200.8 | 03/24/11 02:15 / sml |
| METALS - SUSPENDED | | | | | | | |
| Uranium | 0.0017 | mg/L | | 0.0003 | | E200.8 | 03/26/11 15:15 / sml |
| Uranium, Activity | 1.2E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 03/26/11 15:15 / sml |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland G-8 Samples
Lab ID: C11030665-001
Client Sample ID: BOW 2010-2

Report Date: 04/19/11
Collection Date: 03/18/11
Date Received: 03/22/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|------|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 04/08/11 05:01 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 04/08/11 05:01 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 04/08/11 05:01 / eli-cs |
| Polonium 210 | <0.9 | pCi/L | U | 0.9 | | E912.0 | 03/30/11 09:06 / ep |
| Polonium 210 precision (±) | 0.5 | pCi/L | | | | E912.0 | 03/30/11 09:06 / ep |
| Polonium 210 MDC | 0.9 | pCi/L | | | | E912.0 | 03/30/11 09:06 / ep |
| Radium 226 | 0.26 | pCi/L | | 0.10 | | E903.0 | 03/30/11 08:32 / trs |
| Radium 226 precision (±) | 0.11 | pCi/L | | | | E903.0 | 03/30/11 08:32 / trs |
| Radium 226 MDC | 0.10 | pCi/L | | | | E903.0 | 03/30/11 08:32 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 03/25/11 09:27 / dmf |
| Thorium 230 precision (±) | 0.04 | pCi/L | | | | E908.0 | 03/25/11 09:27 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 03/25/11 09:27 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.9 | pCi/L | U | 0.9 | | E909.0 | 04/08/11 22:33 / eli-cs |
| Lead 210 precision (±) | 0.6 | pCi/L | | | | E909.0 | 04/08/11 22:33 / eli-cs |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 04/08/11 22:33 / eli-cs |
| Polonium 210 | <0.3 | pCi/L | U | 0.3 | | E912.0 | 03/30/11 09:07 / ep |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 03/30/11 09:07 / ep |
| Polonium 210 MDC | 0.3 | pCi/L | | | | E912.0 | 03/30/11 09:07 / ep |
| Radium 226 | 0.28 | pCi/L | | 0.09 | | E903.0 | 03/30/11 12:17 / trs |
| Radium 226 precision (±) | 0.10 | pCi/L | | | | E903.0 | 03/30/11 12:17 / trs |
| Radium 226 MDC | 0.09 | pCi/L | | | | E903.0 | 03/30/11 12:17 / trs |
| Thorium 230 | 0.2 | pCi/L | | 0.1 | | E908.0 | 03/29/11 08:53 / dmf |
| Thorium 230 precision (±) | 0.1 | pCi/L | | | | E908.0 | 03/29/11 08:53 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 03/29/11 08:53 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | -0.717 | % | | | | Calculation | 04/07/11 10:37 / kbh |
| Anions | 5.57 | meq/L | | | | Calculation | 04/07/11 10:37 / kbh |
| Cations | 5.49 | meq/L | | | | Calculation | 04/07/11 10:37 / kbh |
| Solids, Total Dissolved Calculated | 439 | mg/L | | | | Calculation | 04/07/11 10:37 / kbh |
| TDS Balance (0.80 - 1.20) | 0.900 | | | | | Calculation | 04/07/11 10:37 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland G-8 Samples
Lab ID: C11030665-002
Client Sample ID: BOW 2010-3

Report Date: 04/19/11
Collection Date: 03/18/11
Date Received: 03/22/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 145 | mg/L | | 1 | | A2320 B | 03/23/11 19:04 / jba |
| Carbonate as CO ₃ | 41 | mg/L | | 1 | | A2320 B | 03/23/11 19:04 / jba |
| Bicarbonate as HCO ₃ | 94 | mg/L | | 1 | | A2320 B | 03/23/11 19:04 / jba |
| Calcium | 5 | mg/L | | 1 | | E200.7 | 03/28/11 15:33 / cp |
| Chloride | 37 | mg/L | | 1 | | E300.0 | 03/24/11 17:54 / ljl |
| Fluoride | 0.5 | mg/L | | 0.1 | | A4500-F C | 03/23/11 14:35 / jba |
| Magnesium | ND | mg/L | | 1 | | E200.7 | 03/28/11 15:33 / cp |
| Nitrogen, Ammonia as N | ND | mg/L | | 0.05 | | A4500-NH ₃ G | 03/28/11 13:17 / dc |
| Nitrogen, Nitrate+Nitrite as N | 0.5 | mg/L | | 0.1 | | E353.2 | 03/25/11 12:01 / dc |
| Potassium | 10 | mg/L | | 1 | | E200.7 | 03/28/11 15:33 / cp |
| Silica | 86.5 | mg/L | | 0.2 | | E200.7 | 03/28/11 15:33 / cp |
| Sodium | 109 | mg/L | | 1 | | E200.7 | 03/28/11 15:33 / cp |
| Sulfate | 60 | mg/L | D | 2 | | E300.0 | 03/24/11 17:54 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 527 | umhos/cm | | 1 | | A2510 B | 03/23/11 09:48 / lmc |
| pH | 9.57 | s.u. | | 0.01 | | A4500-H B | 03/23/11 09:48 / lmc |
| Solids, Total Dissolved TDS @ 180 C | 375 | mg/L | | 10 | | A2540 C | 03/23/11 16:31 / lmc |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.7 | 03/28/11 15:33 / cp |
| Arsenic | 0.009 | mg/L | | 0.001 | | E200.8 | 03/24/11 02:21 / sml |
| Barium | ND | mg/L | | 0.1 | | E200.8 | 03/24/11 02:21 / sml |
| Boron | 0.1 | mg/L | | 0.1 | | E200.7 | 03/28/11 15:33 / cp |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 03/24/11 02:21 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 03/24/11 02:21 / sml |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 03/24/11 02:21 / sml |
| Iron | 0.04 | mg/L | | 0.03 | | E200.7 | 03/28/11 15:33 / cp |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 03/24/11 02:21 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 03/24/11 02:21 / sml |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 04/04/11 17:05 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 03/24/11 02:21 / sml |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 03/24/11 02:21 / sml |
| Selenium | 0.003 | mg/L | | 0.001 | | E200.8 | 03/24/11 02:21 / sml |
| Uranium | 0.0035 | mg/L | | 0.0003 | | E200.8 | 03/24/11 02:21 / sml |
| Uranium, Activity | 2.4E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 03/24/11 02:21 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 03/24/11 02:21 / sml |
| Zinc | 0.15 | mg/L | | 0.01 | | E200.8 | 03/24/11 02:21 / sml |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 03/26/11 15:19 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 03/26/11 15:19 / sml |

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

D - RL increased due to sample matrix.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland G-8 Samples
Lab ID: C11030665-002
Client Sample ID: BOW 2010-3

Report Date: 04/19/11
Collection Date: 03/18/11
Date Received: 03/22/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|------|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 04/08/11 07:12 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 04/08/11 07:12 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 04/08/11 07:12 / eli-cs |
| Polonium 210 | <0.9 | pCi/L | U | 0.9 | | E912.0 | 03/30/11 09:06 / ep |
| Polonium 210 precision (±) | 0.7 | pCi/L | | | | E912.0 | 03/30/11 09:06 / ep |
| Polonium 210 MDC | 0.9 | pCi/L | | | | E912.0 | 03/30/11 09:06 / ep |
| Radium 226 | 0.23 | pCi/L | | 0.11 | | E903.0 | 03/30/11 08:32 / trs |
| Radium 226 precision (±) | 0.11 | pCi/L | | | | E903.0 | 03/30/11 08:32 / trs |
| Radium 226 MDC | 0.11 | pCi/L | | | | E903.0 | 03/30/11 08:32 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 03/25/11 13:40 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 03/25/11 13:40 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 03/25/11 13:40 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.9 | pCi/L | U | 0.9 | | E909.0 | 04/09/11 00:44 / eli-cs |
| Lead 210 precision (±) | 0.6 | pCi/L | | | | E909.0 | 04/09/11 00:44 / eli-cs |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 04/09/11 00:44 / eli-cs |
| Polonium 210 | <0.2 | pCi/L | U | 0.2 | | E912.0 | 03/30/11 09:07 / ep |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 03/30/11 09:07 / ep |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 03/30/11 09:07 / ep |
| Radium 226 | 0.15 | pCi/L | | 0.08 | | E903.0 | 03/30/11 12:17 / trs |
| Radium 226 precision (±) | 0.08 | pCi/L | | | | E903.0 | 03/30/11 12:17 / trs |
| Radium 226 MDC | 0.08 | pCi/L | | | | E903.0 | 03/30/11 12:17 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 03/29/11 08:53 / dmf |
| Thorium 230 precision (±) | 0.1 | pCi/L | | | | E908.0 | 03/29/11 08:53 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 03/29/11 08:53 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | -0.182 | % | | | | Calculation | 04/07/11 10:38 / kbh |
| Anions | 5.27 | meq/L | | | | Calculation | 04/07/11 10:38 / kbh |
| Cations | 5.25 | meq/L | | | | Calculation | 04/07/11 10:38 / kbh |
| Solids, Total Dissolved Calculated | 420 | mg/L | | | | Calculation | 04/07/11 10:38 / kbh |
| TDS Balance (0.80 - 1.20) | 0.890 | | | | | Calculation | 04/07/11 10:38 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland G-8 Samples
Lab ID: C11030665-003
Client Sample ID: BOW 2010-5

Report Date: 04/19/11
Collection Date: 03/18/11
Date Received: 03/22/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 151 | mg/L | | 1 | | A2320 B | 03/23/11 19:12 / jba |
| Carbonate as CO ₃ | 7 | mg/L | | 1 | | A2320 B | 03/23/11 19:12 / jba |
| Bicarbonate as HCO ₃ | 170 | mg/L | | 1 | | A2320 B | 03/23/11 19:12 / jba |
| Calcium | 29 | mg/L | | 1 | | E200.7 | 03/28/11 16:30 / cp |
| Chloride | 7 | mg/L | | 1 | | E300.0 | 03/24/11 18:41 / ljl |
| Fluoride | 0.5 | mg/L | | 0.1 | | A4500-F C | 03/23/11 14:42 / jba |
| Magnesium | 7 | mg/L | | 1 | | E200.7 | 03/28/11 16:30 / cp |
| Nitrogen, Ammonia as N | ND | mg/L | | 0.05 | | A4500-NH ₃ G | 03/28/11 13:19 / dc |
| Nitrogen, Nitrate+Nitrite as N | 0.9 | mg/L | | 0.1 | | E353.2 | 03/25/11 12:11 / dc |
| Potassium | 5 | mg/L | | 1 | | E200.7 | 03/28/11 16:30 / cp |
| Silica | 83.9 | mg/L | | 0.2 | | E200.7 | 03/28/11 16:30 / cp |
| Sodium | 28 | mg/L | | 1 | | E200.7 | 03/28/11 16:30 / cp |
| Sulfate | 9 | mg/L | | 1 | | E300.0 | 03/24/11 18:41 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 307 | umhos/cm | | 1 | | A2510 B | 03/23/11 09:50 / lmc |
| pH | 8.34 | s.u. | | 0.01 | | A4500-H B | 03/23/11 09:50 / lmc |
| Solids, Total Dissolved TDS @ 180 C | 228 | mg/L | | 10 | | A2540 C | 03/23/11 16:31 / lmc |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.7 | 03/28/11 16:30 / cp |
| Arsenic | 0.004 | mg/L | | 0.001 | | E200.8 | 03/24/11 02:28 / sml |
| Barium | 0.1 | mg/L | | 0.1 | | E200.8 | 03/24/11 02:28 / sml |
| Boron | 0.1 | mg/L | | 0.1 | | E200.7 | 03/28/11 16:30 / cp |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 03/24/11 02:28 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 03/24/11 02:28 / sml |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 03/24/11 02:28 / sml |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 03/28/11 16:30 / cp |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 03/24/11 02:28 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 03/24/11 02:28 / sml |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 04/04/11 17:12 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 03/24/11 02:28 / sml |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 03/24/11 02:28 / sml |
| Selenium | 0.001 | mg/L | | 0.001 | | E200.8 | 03/24/11 02:28 / sml |
| Uranium | 0.0075 | mg/L | | 0.0003 | | E200.8 | 03/24/11 02:28 / sml |
| Uranium, Activity | 5.1E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 03/24/11 02:28 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 03/24/11 02:28 / sml |
| Zinc | 0.09 | mg/L | | 0.01 | | E200.8 | 03/24/11 02:28 / sml |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 03/26/11 15:23 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 03/26/11 15:23 / sml |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland G-8 Samples
Lab ID: C11030665-003
Client Sample ID: BOW 2010-5

Report Date: 04/19/11
Collection Date: 03/18/11
Date Received: 03/22/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|------|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 04/08/11 09:24 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 04/08/11 09:24 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 04/08/11 09:24 / eli-cs |
| Polonium 210 | <0.6 | pCi/L | U | 0.6 | | E912.0 | 03/30/11 09:06 / ep |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 03/30/11 09:06 / ep |
| Polonium 210 MDC | 0.6 | pCi/L | | | | E912.0 | 03/30/11 09:06 / ep |
| Radium 226 | 0.41 | pCi/L | | 0.11 | | E903.0 | 03/30/11 08:32 / trs |
| Radium 226 precision (±) | 0.13 | pCi/L | | | | E903.0 | 03/30/11 08:32 / trs |
| Radium 226 MDC | 0.11 | pCi/L | | | | E903.0 | 03/30/11 08:32 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 03/25/11 13:40 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 03/25/11 13:40 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 03/25/11 13:40 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.9 | pCi/L | U | 0.9 | | E909.0 | 04/09/11 02:55 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 04/09/11 02:55 / eli-cs |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 04/09/11 02:55 / eli-cs |
| Polonium 210 | <0.2 | pCi/L | U | 0.2 | | E912.0 | 03/30/11 09:07 / ep |
| Polonium 210 precision (±) | 0.1 | pCi/L | | | | E912.0 | 03/30/11 09:07 / ep |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 03/30/11 09:07 / ep |
| Radium 226 | 0.14 | pCi/L | | 0.08 | | E903.0 | 03/30/11 12:17 / trs |
| Radium 226 precision (±) | 0.08 | pCi/L | | | | E903.0 | 03/30/11 12:17 / trs |
| Radium 226 MDC | 0.08 | pCi/L | | | | E903.0 | 03/30/11 12:17 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 03/29/11 08:53 / dmf |
| Thorium 230 precision (±) | 0.09 | pCi/L | | | | E908.0 | 03/29/11 08:53 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 03/29/11 08:53 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | -1.58 | % | | | | Calculation | 04/07/11 10:38 / kbh |
| Anions | 3.48 | meq/L | | | | Calculation | 04/07/11 10:38 / kbh |
| Cations | 3.37 | meq/L | | | | Calculation | 04/07/11 10:38 / kbh |
| Solids, Total Dissolved Calculated | 285 | mg/L | | | | Calculation | 04/07/11 10:38 / kbh |
| TDS Balance (0.80 - 1.20) | 0.800 | | | | | Calculation | 04/07/11 10:38 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland G-8 Samples
Lab ID: C11030665-004
Client Sample ID: BOW 2010-6

Report Date: 04/19/11
Collection Date: 03/18/11
Date Received: 03/22/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 143 | mg/L | | 1 | | A2320 B | 03/23/11 19:38 / jba |
| Carbonate as CO ₃ | 7 | mg/L | | 1 | | A2320 B | 03/23/11 19:38 / jba |
| Bicarbonate as HCO ₃ | 159 | mg/L | | 1 | | A2320 B | 03/23/11 19:38 / jba |
| Calcium | 31 | mg/L | | 1 | | E200.7 | 03/28/11 16:34 / cp |
| Chloride | 10 | mg/L | | 1 | | E300.0 | 03/24/11 18:56 / ljl |
| Fluoride | 0.6 | mg/L | | 0.1 | | A4500-F C | 03/23/11 14:59 / jba |
| Magnesium | 7 | mg/L | | 1 | | E200.7 | 03/28/11 16:34 / cp |
| Nitrogen, Ammonia as N | ND | mg/L | | 0.05 | | A4500-NH ₃ G | 03/28/11 13:21 / dc |
| Nitrogen, Nitrate+Nitrite as N | 1.0 | mg/L | | 0.1 | | E353.2 | 03/25/11 12:13 / dc |
| Potassium | 5 | mg/L | | 1 | | E200.7 | 03/28/11 16:34 / cp |
| Silica | 73.7 | mg/L | | 0.2 | | E200.7 | 03/28/11 16:34 / cp |
| Sodium | 25 | mg/L | | 1 | | E200.7 | 03/28/11 16:34 / cp |
| Sulfate | 10 | mg/L | | 1 | | E300.0 | 03/24/11 18:56 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 309 | umhos/cm | | 1 | | A2510 B | 03/23/11 09:52 / lmc |
| pH | 8.50 | s.u. | | 0.01 | | A4500-H B | 03/23/11 09:52 / lmc |
| Solids, Total Dissolved TDS @ 180 C | 225 | mg/L | | 10 | | A2540 C | 03/23/11 16:32 / lmc |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.7 | 03/28/11 16:34 / cp |
| Arsenic | 0.005 | mg/L | | 0.001 | | E200.8 | 03/24/11 02:35 / sml |
| Barium | 0.1 | mg/L | | 0.1 | | E200.8 | 03/24/11 02:35 / sml |
| Boron | ND | mg/L | | 0.1 | | E200.7 | 03/28/11 16:34 / cp |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 03/24/11 02:35 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.7 | 03/28/11 16:34 / cp |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 03/24/11 02:35 / sml |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 03/28/11 16:34 / cp |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 03/24/11 02:35 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.7 | 03/28/11 16:34 / cp |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 04/04/11 17:19 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 03/24/11 02:35 / sml |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 03/24/11 02:35 / sml |
| Selenium | 0.001 | mg/L | | 0.001 | | E200.8 | 03/24/11 02:35 / sml |
| Uranium | 0.0055 | mg/L | | 0.0003 | | E200.8 | 03/24/11 02:35 / sml |
| Uranium, Activity | 3.7E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 03/24/11 02:35 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.7 | 03/28/11 16:34 / cp |
| Zinc | 0.06 | mg/L | | 0.01 | | E200.8 | 03/24/11 02:35 / sml |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 03/26/11 15:43 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 03/26/11 15:43 / sml |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland G-8 Samples
Lab ID: C11030665-004
Client Sample ID: BOW 2010-6

Report Date: 04/19/11
Collection Date: 03/18/11
Date Received: 03/22/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|------|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 04/08/11 11:35 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 04/08/11 11:35 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 04/08/11 11:35 / eli-cs |
| Polonium 210 | <0.9 | pCi/L | U | 0.9 | | E912.0 | 03/30/11 09:06 / ep |
| Polonium 210 precision (±) | 0.5 | pCi/L | | | | E912.0 | 03/30/11 09:06 / ep |
| Polonium 210 MDC | 0.9 | pCi/L | | | | E912.0 | 03/30/11 09:06 / ep |
| Radium 226 | 0.34 | pCi/L | | 0.11 | | E903.0 | 03/30/11 08:32 / trs |
| Radium 226 precision (±) | 0.12 | pCi/L | | | | E903.0 | 03/30/11 08:32 / trs |
| Radium 226 MDC | 0.11 | pCi/L | | | | E903.0 | 03/30/11 08:32 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 03/25/11 13:40 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 03/25/11 13:40 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 03/25/11 13:40 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <1.1 | pCi/L | U | 1.1 | | E909.0 | 04/09/11 05:07 / eli-cs |
| Lead 210 precision (±) | 0.6 | pCi/L | | | | E909.0 | 04/09/11 05:07 / eli-cs |
| Lead 210 MDC | 1.1 | pCi/L | | | | E909.0 | 04/09/11 05:07 / eli-cs |
| Polonium 210 | <0.3 | pCi/L | U | 0.3 | | E912.0 | 03/30/11 09:07 / ep |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 03/30/11 09:07 / ep |
| Polonium 210 MDC | 0.3 | pCi/L | | | | E912.0 | 03/30/11 09:07 / ep |
| Radium 226 | 0.16 | pCi/L | | 0.08 | | E903.0 | 03/30/11 12:17 / trs |
| Radium 226 precision (±) | 0.08 | pCi/L | | | | E903.0 | 03/30/11 12:17 / trs |
| Radium 226 MDC | 0.08 | pCi/L | | | | E903.0 | 03/30/11 12:17 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 03/29/11 08:53 / dmf |
| Thorium 230 precision (±) | 0.1 | pCi/L | | | | E908.0 | 03/29/11 08:53 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 03/29/11 08:53 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | -1.63 | % | | | | Calculation | 04/07/11 10:38 / kbh |
| Anions | 3.43 | meq/L | | | | Calculation | 04/07/11 10:38 / kbh |
| Cations | 3.32 | meq/L | | | | Calculation | 04/07/11 10:38 / kbh |
| Solids, Total Dissolved Calculated | 271 | mg/L | | | | Calculation | 04/07/11 10:38 / kbh |
| TDS Balance (0.80 - 1.20) | 0.830 | | | | | Calculation | 04/07/11 10:38 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 04/19/11

Project: Marsland G-8 Samples

Work Order: C11030665

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|---|-------|---------------------------|-------|-----|------|-----------|----------------------|-----|----------|----------------|
| Method: A2320 B | | | | | | | | | | Batch: R143981 |
| Sample ID: MBLK | 3 | Method Blank | | | | | Run: MANTECH_110323C | | | 03/23/11 17:20 |
| Alkalinity, Total as CaCO ₃ | | 3 | mg/L | 1 | | | | | | |
| Carbonate as CO ₃ | | ND | mg/L | 1 | | | | | | |
| Bicarbonate as HCO ₃ | | 4 | mg/L | 1 | | | | | | |
| Sample ID: LCS | | Laboratory Control Sample | | | | | Run: MANTECH_110323C | | | 03/23/11 17:36 |
| Alkalinity, Total as CaCO ₃ | | 214 | mg/L | 5.0 | 105 | 90 | 110 | | | |
| Sample ID: C11030665-003ADUP | 3 | Sample Duplicate | | | | | Run: MANTECH_110323C | | | 03/23/11 19:20 |
| Alkalinity, Total as CaCO ₃ | | 149 | mg/L | 5.0 | | | | 0.9 | 10 | |
| Carbonate as CO ₃ | | 5.49 | mg/L | 5.0 | | | | 17 | 10 | R |
| Bicarbonate as HCO ₃ | | 171 | mg/L | 5.0 | | | | 0.3 | 10 | |
| - R - The Sample and the Duplicate are both near the PQL/RL; the RPD is acceptable. | | | | | | | | | | |
| Sample ID: C11030665-003AMS | | Sample Matrix Spike | | | | | Run: MANTECH_110323C | | | 03/23/11 19:30 |
| Alkalinity, Total as CaCO ₃ | | 284 | mg/L | 5.0 | 107 | 80 | 120 | | | |

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

R - RPD exceeds advisory limit.



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 04/19/11

Project: Marsland G-8 Samples

Work Order: C11030665

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|---|----------|-----|------|-----------|-------------------------------------|-----|----------|----------------|
| Method: A2510 B | | | | | | | Analytical Run: ORION555A-2_110323A | | | |
| Sample ID: ICV2_110323_1 | | Initial Calibration Verification Standard | | | | | | | | 03/23/11 09:34 |
| Conductivity @ 25 C | | 1370 | umhos/cm | 1.0 | 97 | 90 | 110 | | | |
| Method: A2510 B | | | | | | | Batch: 110323_1_PH-W_555A-2 | | | |
| Sample ID: MBLK1_110323_1 | | Method Blank | | | | | | | | 03/23/11 09:31 |
| Conductivity @ 25 C | | 2 | umhos/cm | 0.2 | | | | | | |
| Sample ID: C11030671-002ADUP | | Sample Duplicate | | | | | | | | 03/23/11 10:00 |
| Conductivity @ 25 C | | 22900 | umhos/cm | 1.0 | | | | 0.0 | 10 | |

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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 04/19/11

Project: Marsland G-8 Samples

Work Order: C11030665

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|--|-------|--------|-------|----|------|-----------|------------|-----|----------|----------------|
| Method: A2540 C | | | | | | | | | | Batch: R144071 |
| Sample ID: MBLK1_ Method Blank Run: BAL-1_110323B 03/23/11 16:30 | | | | | | | | | | |
| Solids, Total Dissolved TDS @ 180 C | | ND | mg/L | 4 | | | | | | |
| Sample ID: LCS1_ Laboratory Control Sample Run: BAL-1_110323B 03/23/11 16:30 | | | | | | | | | | |
| Solids, Total Dissolved TDS @ 180 C | | 1000 | mg/L | 10 | 100 | 90 | 110 | | | |
| Sample ID: C11030665-004BDUP Sample Duplicate Run: BAL-1_110323B 03/23/11 16:32 | | | | | | | | | | |
| Solids, Total Dissolved TDS @ 180 C | | 233 | mg/L | 10 | | | | 3.4 | 10 | |
| Sample ID: C11030684-005AMS Sample Matrix Spike Run: BAL-1_110323B 03/23/11 16:37 | | | | | | | | | | |
| Solids, Total Dissolved TDS @ 180 C | | 2170 | mg/L | 10 | 102 | 90 | 110 | | | |

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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 04/19/11

Project: Marsland G-8 Samples

Work Order: C11030665

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|-------|------|-----------|----------------------|-----|----------|----------------|
| Method: A4500-F C | | | | | | | | | | Batch: R143974 |
| Sample ID: MBLK | | Method Blank | | | | | Run: MANTECH_110323B | | | 03/23/11 12:41 |
| Fluoride | | 0.02 | mg/L | 0.008 | | | | | | |
| Sample ID: LCS | | Laboratory Control Sample | | | | | Run: MANTECH_110323B | | | 03/23/11 12:44 |
| Fluoride | | 1.00 | mg/L | 0.10 | 98 | 90 | 110 | | | |
| Sample ID: C11030665-004AMS | | Sample Matrix Spike | | | | | Run: MANTECH_110323B | | | 03/23/11 15:06 |
| Fluoride | | 1.53 | mg/L | 0.10 | 96 | 80 | 120 | | | |
| Sample ID: C11030665-004AMSD | | Sample Matrix Spike Duplicate | | | | | Run: MANTECH_110323B | | | 03/23/11 15:12 |
| Fluoride | | 1.56 | mg/L | 0.10 | 99 | 80 | 120 | 1.9 | 10 | |

Qualifiers:

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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 04/19/11

Project: Marsland G-8 Samples

Work Order: C11030665

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|------------------------------|-------|---|-------|-------|------|-----------|------------|-------------------------------------|----------|---|
| Method: A4500-H B | | | | | | | | Analytical Run: ORION555A-2_110323A | | |
| Sample ID: ICV1_110323_1 | | Initial Calibration Verification Standard | | | | | | | | 03/23/11 09:32 |
| pH | | 6.94 | s.u. | 0.010 | 101 | 98 | 102 | | | |
| Method: A4500-H B | | | | | | | | Batch: 110323_1_PH-W_555A-2 | | |
| Sample ID: C11030671-002ADUP | | Sample Duplicate | | | | | | | | Run: ORION555A-2_110323A 03/23/11 10:00 |
| pH | | 6.97 | s.u. | 0.010 | | | | 0.0 | 3 | |

Qualifiers:

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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 04/19/11

Project: Marsland G-8 Samples

Work Order: C11030665

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|-------|------|-----------|------------|------------------------|----------|----------------|
| Method: A4500-NH3 G | | | | | | | | | | Batch: R144164 |
| Sample ID: MBLK-4 | | Method Blank | | | | | | Run: TECHNICON_110328A | | 03/28/11 12:11 |
| Nitrogen, Ammonia as N | | ND | mg/L | 0.02 | | | | | | |
| Sample ID: LCS-5 | | Laboratory Control Sample | | | | | | Run: TECHNICON_110328A | | 03/28/11 12:13 |
| Nitrogen, Ammonia as N | | 1.97 | mg/L | 0.050 | 99 | 90 | 110 | | | |
| Sample ID: C11030665-004HMS | | Sample Matrix Spike | | | | | | Run: TECHNICON_110328A | | 03/28/11 13:29 |
| Nitrogen, Ammonia as N | | 1.79 | mg/L | 0.050 | 91 | 80 | 120 | | | |
| Sample ID: C11030665-004HMSD | | Sample Matrix Spike Duplicate | | | | | | Run: TECHNICON_110328A | | 03/28/11 13:31 |
| Nitrogen, Ammonia as N | | 1.83 | mg/L | 0.050 | 93 | 80 | 120 | 2.2 | 10 | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 04/19/11

Project: Marsland G-8 Samples

Work Order: C11030665

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|--------|------|-----------|---------------------|-----|----------|----------------|
| Method: E200.7 | | | | | | | | | | Batch: R144155 |
| Sample ID: MB-110328A | 11 | Method Blank | | | | | Run: ICP2-C_110328A | | | 03/28/11 13:07 |
| Aluminum | | ND | mg/L | 0.01 | | | | | | |
| Boron | | 0.04 | mg/L | 0.009 | | | | | | |
| Calcium | | ND | mg/L | 0.2 | | | | | | |
| Chromium | | ND | mg/L | 0.002 | | | | | | |
| Iron | | ND | mg/L | 0.002 | | | | | | |
| Magnesium | | ND | mg/L | 0.05 | | | | | | |
| Manganese | | ND | mg/L | 0.0004 | | | | | | |
| Potassium | | ND | mg/L | 0.02 | | | | | | |
| Silicon | | 0.01 | mg/L | 0.007 | | | | | | |
| Sodium | | ND | mg/L | 0.3 | | | | | | |
| Vanadium | | 0.0001 | mg/L | | | | | | | |
| Sample ID: LFB-110328A | 11 | Laboratory Fortified Blank | | | | | Run: ICP2-C_110328A | | | 03/28/11 13:11 |
| Aluminum | | 0.899 | mg/L | 0.10 | 90 | 85 | 115 | | | |
| Boron | | 0.965 | mg/L | 0.10 | 92 | 85 | 115 | | | |
| Calcium | | 48.8 | mg/L | 0.50 | 98 | 85 | 115 | | | |
| Chromium | | 0.948 | mg/L | 0.050 | 95 | 85 | 115 | | | |
| Iron | | 0.965 | mg/L | 0.030 | 96 | 85 | 115 | | | |
| Magnesium | | 49.3 | mg/L | 0.50 | 99 | 85 | 115 | | | |
| Manganese | | 0.940 | mg/L | 0.010 | 94 | 85 | 115 | | | |
| Potassium | | 46.4 | mg/L | 0.50 | 93 | 85 | 115 | | | |
| Silicon | | 0.440 | mg/L | 0.10 | 92 | 85 | 115 | | | |
| Sodium | | 46.9 | mg/L | 0.50 | 94 | 85 | 115 | | | |
| Vanadium | | 0.981 | mg/L | 0.10 | 98 | 85 | 115 | | | |
| Sample ID: C11030665-001CMS2 | 11 | Sample Matrix Spike | | | | | Run: ICP2-C_110328A | | | 03/28/11 15:25 |
| Aluminum | | 1.98 | mg/L | 0.10 | 97 | 70 | 130 | | | |
| Boron | | 2.01 | mg/L | 0.10 | 97 | 70 | 130 | | | |
| Calcium | | 106 | mg/L | 1.0 | 98 | 70 | 130 | | | |
| Chromium | | 1.98 | mg/L | 0.050 | 97 | 70 | 130 | | | |
| Iron | | 2.04 | mg/L | 0.030 | 99 | 70 | 130 | | | |
| Magnesium | | 100 | mg/L | 1.0 | 98 | 70 | 130 | | | |
| Manganese | | 2.01 | mg/L | 0.010 | 99 | 70 | 130 | | | |
| Potassium | | 99.0 | mg/L | 1.0 | 86 | 70 | 130 | | | |
| Silicon | | 45.4 | mg/L | 0.10 | | 70 | 130 | | | A |
| Sodium | | 213 | mg/L | 1.0 | 100 | 70 | 130 | | | |
| Vanadium | | 2.01 | mg/L | 0.10 | 98 | 70 | 130 | | | |
| Sample ID: C11030665-001CMSD | 11 | Sample Matrix Spike Duplicate | | | | | Run: ICP2-C_110328A | | | 03/28/11 15:29 |
| Aluminum | | 2.03 | mg/L | 0.10 | 99 | 70 | 130 | 2.3 | 20 | |
| Boron | | 2.07 | mg/L | 0.10 | 100 | 70 | 130 | 2.7 | 20 | |
| Calcium | | 106 | mg/L | 1.0 | 98 | 70 | 130 | 0.0 | 20 | |
| Chromium | | 1.99 | mg/L | 0.050 | 97 | 70 | 130 | 0.4 | 20 | |
| Iron | | 2.04 | mg/L | 0.030 | 100 | 70 | 130 | 0.1 | 20 | |
| Magnesium | | 101 | mg/L | 1.0 | 98 | 70 | 130 | 0.3 | 20 | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

MDC - Minimum detectable concentration



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 04/19/11

Project: Marsland G-8 Samples

Work Order: C11030665

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|---|-------|--------|-------|-------|------|-----------|------------|-----|----------|------------------------------------|
| Method: E200.7 | | | | | | | | | | Batch: R144155 |
| Sample ID: C11030665-001CMSD 11 Sample Matrix Spike Duplicate | | | | | | | | | | Run: ICP2-C_110328A 03/28/11 15:29 |
| Manganese | | 2.02 | mg/L | 0.010 | 99 | 70 | 130 | 0.3 | 20 | |
| Potassium | | 98.5 | mg/L | 1.0 | 85 | 70 | 130 | 0.4 | 20 | |
| Silicon | | 45.7 | mg/L | 0.10 | | 70 | 130 | 0.6 | 20 | A |
| Sodium | | 212 | mg/L | 1.0 | 98 | 70 | 130 | 0.6 | 20 | |
| Vanadium | | 2.03 | mg/L | 0.10 | 99 | 70 | 130 | 1.2 | 20 | |

Qualifiers:

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MDC - Minimum detectable concentration



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 04/19/11

Project: Marsland G-8 Samples

Work Order: C11030665

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|----------------------------|-------|---------|------|-----------|-----------------------|-----|----------|----------------|
| Method: E200.8 | | | | | | | | | | Batch: R143967 |
| Sample ID: LRB | 13 | Method Blank | | | | | Run: ICPMS2-C_110323A | | | 03/23/11 12:03 |
| Arsenic | | 7E-05 | mg/L | | | 6E-05 | | | | |
| Barium | | ND | mg/L | | | 3E-05 | | | | |
| Cadmium | | ND | mg/L | | | 1E-05 | | | | |
| Chromium | | ND | mg/L | | | 4E-05 | | | | |
| Copper | | ND | mg/L | | | 7E-05 | | | | |
| Lead | | ND | mg/L | | | 3E-05 | | | | |
| Manganese | | ND | mg/L | | | 5E-05 | | | | |
| Molybdenum | | ND | mg/L | | | 5E-05 | | | | |
| Nickel | | ND | mg/L | | | 0.0007 | | | | |
| Selenium | | 0.0004 | mg/L | | | 0.0002 | | | | |
| Uranium | | ND | mg/L | | | 1E-05 | | | | |
| Vanadium | | ND | mg/L | | | 3E-05 | | | | |
| Zinc | | ND | mg/L | | | 0.0003 | | | | |
| Sample ID: LFB | 13 | Laboratory Fortified Blank | | | | | Run: ICPMS2-C_110323A | | | 03/23/11 12:10 |
| Arsenic | | 0.0528 | mg/L | 0.0010 | 105 | 85 | 115 | | | |
| Barium | | 0.0552 | mg/L | 0.0010 | 110 | 85 | 115 | | | |
| Cadmium | | 0.0534 | mg/L | 0.0010 | 107 | 85 | 115 | | | |
| Chromium | | 0.0538 | mg/L | 0.0010 | 108 | 85 | 115 | | | |
| Copper | | 0.0534 | mg/L | 0.0010 | 107 | 85 | 115 | | | |
| Lead | | 0.0532 | mg/L | 0.0010 | 106 | 85 | 115 | | | |
| Manganese | | 0.0536 | mg/L | 0.0010 | 107 | 85 | 115 | | | |
| Molybdenum | | 0.0516 | mg/L | 0.0010 | 103 | 85 | 115 | | | |
| Nickel | | 0.0535 | mg/L | 0.0010 | 107 | 85 | 115 | | | |
| Selenium | | 0.0523 | mg/L | 0.0010 | 104 | 85 | 115 | | | |
| Uranium | | 0.0520 | mg/L | 0.00030 | 104 | 85 | 115 | | | |
| Vanadium | | 0.0534 | mg/L | 0.0010 | 107 | 85 | 115 | | | |
| Zinc | | 0.0546 | mg/L | 0.0010 | 109 | 85 | 115 | | | |
| Sample ID: C11030665-004CMS4 | 13 | Sample Matrix Spike | | | | | Run: ICPMS2-C_110323A | | | 03/24/11 02:42 |
| Arsenic | | 0.0546 | mg/L | 0.0010 | 100 | 70 | 130 | | | |
| Barium | | 0.157 | mg/L | 0.10 | 94 | 70 | 130 | | | |
| Cadmium | | 0.0500 | mg/L | 0.010 | 100 | 70 | 130 | | | |
| Chromium | | 0.0480 | mg/L | 0.0010 | 93 | 70 | 130 | | | |
| Copper | | 0.0563 | mg/L | 0.010 | 104 | 70 | 130 | | | |
| Lead | | 0.0510 | mg/L | 0.050 | 101 | 70 | 130 | | | |
| Manganese | | 0.0469 | mg/L | 0.010 | 93 | 70 | 130 | | | |
| Molybdenum | | 0.0505 | mg/L | 0.0010 | 98 | 70 | 130 | | | |
| Nickel | | 0.0533 | mg/L | 0.050 | 104 | 70 | 130 | | | |
| Selenium | | 0.0502 | mg/L | 0.0010 | 98 | 70 | 130 | | | |
| Uranium | | 0.0550 | mg/L | 0.00030 | 99 | 70 | 130 | | | |
| Vanadium | | 0.0582 | mg/L | 0.0010 | 93 | 70 | 130 | | | |
| Zinc | | 0.110 | mg/L | 0.010 | 101 | 70 | 130 | | | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 04/19/11

Project: Marsland G-8 Samples

Work Order: C11030665

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|-----------------------|------|-----------|------------|-----|----------|-----------------|
| Method: E200.8 | | | | | | | | | | Batch: R143967 |
| Sample ID: C11030665-004CMSD | 13 | Sample Matrix Spike Duplicate | | Run: ICPMS2-C_110323A | | | | | | 03/24/11 03:16 |
| Arsenic | | 0.0541 | mg/L | 0.0010 | 99 | 70 | 130 | 0.9 | 20 | |
| Barium | | 0.153 | mg/L | 0.10 | 87 | 70 | 130 | 2.3 | 20 | |
| Cadmium | | 0.0495 | mg/L | 0.010 | 99 | 70 | 130 | 1.0 | 20 | |
| Chromium | | 0.0477 | mg/L | 0.0010 | 93 | 70 | 130 | 0.7 | 20 | |
| Copper | | 0.0555 | mg/L | 0.010 | 103 | 70 | 130 | 1.6 | 20 | |
| Lead | | 0.0503 | mg/L | 0.050 | 100 | 70 | 130 | 1.3 | 20 | |
| Manganese | | 0.0452 | mg/L | 0.010 | 89 | 70 | 130 | 3.5 | 20 | |
| Molybdenum | | 0.0501 | mg/L | 0.0010 | 98 | 70 | 130 | 0.8 | 20 | |
| Nickel | | 0.0540 | mg/L | 0.050 | 105 | 70 | 130 | 1.4 | 20 | |
| Selenium | | 0.0500 | mg/L | 0.0010 | 98 | 70 | 130 | 0.4 | 20 | |
| Uranium | | 0.0535 | mg/L | 0.00030 | 96 | 70 | 130 | 2.6 | 20 | |
| Vanadium | | 0.0585 | mg/L | 0.0010 | 94 | 70 | 130 | 0.4 | 20 | |
| Zinc | | 0.108 | mg/L | 0.010 | 98 | 70 | 130 | 1.0 | 20 | |
| Method: E200.8 | | | | | | | | | | Batch: 29347 |
| Sample ID: MB-29347 | | Method Blank | | Run: ICPMS4-C_110325A | | | | | | 03/26/11 15:02 |
| Uranium | | ND | mg/L | 7E-05 | | | | | | |
| Sample ID: LCS2-29347 | | Laboratory Control Sample | | Run: ICPMS4-C_110325A | | | | | | 03/26/11 15:06 |
| Uranium | | 0.0980 | mg/L | 0.00030 | 98 | 85 | 115 | | | |
| Sample ID: C11030665-004GMS | | Sample Matrix Spike | | Run: ICPMS4-C_110325A | | | | | | 03/26/11 15:47 |
| Uranium | | 0.00492 | mg/L | 0.00030 | 108 | 70 | 130 | | | |
| Sample ID: C11030665-004GMSD | | Sample Matrix Spike Duplicate | | Run: ICPMS4-C_110325A | | | | | | 03/26/11 15:51 |
| Uranium | | 0.00482 | mg/L | 0.00030 | 106 | 70 | 130 | 2.0 | 20 | |
| Method: E200.8 | | | | | | | | | | Batch: R144419A |
| Sample ID: C11030665-004CMS4 | | Sample Matrix Spike | | Run: ICPMS4-C_110404A | | | | | | 04/04/11 17:26 |
| Mercury | | 0.00513 | mg/L | 0.0010 | 103 | 70 | 130 | | | |
| Sample ID: C11030665-004CMSD | | Sample Matrix Spike Duplicate | | Run: ICPMS4-C_110404A | | | | | | 04/04/11 18:01 |
| Mercury | | 0.00535 | mg/L | 0.0010 | 107 | 70 | 130 | 4.2 | 20 | |
| Sample ID: LRB | | Method Blank | | Run: ICPMS4-C_110404A | | | | | | 04/04/11 12:28 |
| Mercury | | ND | mg/L | 2E-05 | | | | | | |
| Sample ID: LFB | | Laboratory Fortified Blank | | Run: ICPMS4-C_110404A | | | | | | 04/04/11 12:35 |
| Mercury | | 0.00545 | mg/L | 0.0010 | 109 | 85 | 115 | | | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 04/19/11

Project: Marsland G-8 Samples

Work Order: C11030665

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|------|------|--------------------|------------|-----|----------|----------------|
| Method: E300.0 | | | | | | | | | | Batch: R144056 |
| Sample ID: LCS | 2 | Laboratory Control Sample | | | | Run: IC2-C_110324A | | | | 03/24/11 12:15 |
| Chloride | | 9.94 | mg/L | 1.0 | 99 | 90 | 110 | | | |
| Sulfate | | 40.2 | mg/L | 1.0 | 100 | 90 | 110 | | | |
| Sample ID: MBLK | 2 | Method Blank | | | | Run: IC2-C_110324A | | | | 03/24/11 12:30 |
| Chloride | | ND | mg/L | 0.06 | | | | | | |
| Sulfate | | 0.3 | mg/L | 0.2 | | | | | | |
| Sample ID: LFB | 2 | Laboratory Fortified Blank | | | | Run: IC2-C_110324A | | | | 03/24/11 13:01 |
| Chloride | | 12.2 | mg/L | 1.0 | 98 | 90 | 110 | | | |
| Sulfate | | 50.0 | mg/L | 1.0 | 99 | 90 | 110 | | | |
| Sample ID: C11030665-002AMS | 2 | Sample Matrix Spike | | | | Run: IC2-C_110324A | | | | 03/24/11 18:10 |
| Chloride | | 56.9 | mg/L | 1.0 | 100 | 80 | 120 | | | |
| Sulfate | | 140 | mg/L | 1.6 | 102 | 80 | 120 | | | |
| Sample ID: C11030665-002AMSD | 2 | Sample Matrix Spike Duplicate | | | | Run: IC2-C_110324A | | | | 03/24/11 18:25 |
| Chloride | | 56.9 | mg/L | 1.0 | 100 | 80 | 120 | 0.0 | 10 | |
| Sulfate | | 140 | mg/L | 1.6 | 102 | 80 | 120 | 0.3 | 10 | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 04/19/11

Project: Marsland G-8 Samples

Work Order: C11030665

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|------|------|------------------------|------------|----------------|----------|----------------|
| Method: E353.2 | | | | | | | | | | Batch: R144087 |
| Sample ID: MBLK-1 | | | | | | | | | | |
| | | Method Blank | | | | Run: TECHNICON_110325A | | 03/25/11 11:46 | | |
| Nitrogen, Nitrate+Nitrite as N | | ND | mg/L | 0.06 | | | | | | |
| Sample ID: LCS-2 | | | | | | | | | | |
| | | Laboratory Control Sample | | | | Run: TECHNICON_110325A | | 03/25/11 11:48 | | |
| Nitrogen, Nitrate+Nitrite as N | | 2.63 | mg/L | 0.10 | 105 | 90 | 110 | | | |
| Sample ID: C11030665-002HMS | | | | | | | | | | |
| | | Sample Matrix Spike | | | | Run: TECHNICON_110325A | | 03/25/11 12:03 | | |
| Nitrogen, Nitrate+Nitrite as N | | 2.60 | mg/L | 0.10 | 107 | 90 | 110 | | | |
| Sample ID: C11030665-002HMSD | | | | | | | | | | |
| | | Sample Matrix Spike Duplicate | | | | Run: TECHNICON_110325A | | 03/25/11 12:06 | | |
| Nitrogen, Nitrate+Nitrite as N | | 2.66 | mg/L | 0.10 | 110 | 90 | 110 | 2.3 | 10 | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 04/19/11

Project: Marsland G-8 Samples

Work Order: C11030665

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------------------------------|--------------|-------|-------------------------|------|-----------|----------------|-----|----------|-------------------|
| Method: E903.0 | | | | | | | | | | Batch: 29347 |
| Sample ID: C11030665-001GMS | Sample Matrix Spike | | | Run: TENNELEC-3_110324A | | | 03/30/11 12:17 | | | |
| Radium 226 | 11 | | pCi/L | 105 | | 70 | 130 | | | |
| Sample ID: C11030665-001GMSD | Sample Matrix Spike Duplicate | | | Run: TENNELEC-3_110324A | | | 03/30/11 12:17 | | | |
| Radium 226 | 11 | | pCi/L | 101 | | 70 | 130 | 3.8 | | 24.3 |
| Sample ID: LCS-29347 | Laboratory Control Sample | | | Run: TENNELEC-3_110324A | | | 03/30/11 12:17 | | | |
| Radium 226 | 11 | | pCi/L | 87 | | 85 | 115 | | | |
| Sample ID: MB-29347 | 3 | Method Blank | | Run: TENNELEC-3_110324A | | | 03/30/11 12:16 | | | |
| Radium 226 | | 0.04 | pCi/L | | | | | | | U |
| Radium 226 precision (\pm) | | 0.1 | pCi/L | | | | | | | |
| Radium 226 MDC | | 0.2 | pCi/L | | | | | | | |
| Method: E903.0 | | | | | | | | | | Batch: RA226-5258 |
| Sample ID: C11030665-001DMS | Sample Matrix Spike | | | Run: TENNELEC-3_110324B | | | 03/30/11 08:32 | | | |
| Radium 226 | 12 | | pCi/L | 94 | | 70 | 130 | | | |
| Sample ID: C11030665-001DMSD | Sample Matrix Spike Duplicate | | | Run: TENNELEC-3_110324B | | | 03/30/11 08:32 | | | |
| Radium 226 | 12 | | pCi/L | 95 | | 70 | 130 | 1.1 | | 25 |
| Sample ID: MB-RA226-5258 | 3 | Method Blank | | Run: TENNELEC-3_110324B | | | 03/30/11 10:25 | | | |
| Radium 226 | | 0.08 | pCi/L | | | | | | | U |
| Radium 226 precision (\pm) | | 0.07 | pCi/L | | | | | | | |
| Radium 226 MDC | | 0.1 | pCi/L | | | | | | | |
| Sample ID: LCS-RA226-5258 | Laboratory Control Sample | | | Run: TENNELEC-3_110324B | | | 03/30/11 10:25 | | | |
| Radium 226 | 6.0 | | pCi/L | 93 | | 85 | 115 | | | |

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 04/19/11

Project: Marsland G-8 Samples

Work Order: C11030665

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|--------------------------------------|-------------------------------|--------------|-------|------------------------|------|-----------|----------------|-----|----------|-----------------------|
| Method: E908.0 | | | | | | | | | | Batch: RA-TH-ISO-1350 |
| Sample ID: LCS-RA-TH-ISO-1350 | Laboratory Control Sample | | | Run: EGG-ORTEC_110323A | | | 03/25/11 09:27 | | | |
| Thorium 230 | | 5.3 | pCi/L | 103 | | 70 | 130 | | | |
| Sample ID: C11030665-001DMS | Sample Matrix Spike | | | Run: EGG-ORTEC_110323A | | | 03/25/11 13:40 | | | |
| Thorium 230 | | 10 | pCi/L | 90 | | 70 | 130 | | | |
| Sample ID: C11030665-001DMSD | Sample Matrix Spike Duplicate | | | Run: EGG-ORTEC_110323A | | | 03/25/11 13:40 | | | |
| Thorium 230 | | 10 | pCi/L | 88 | | 70 | 130 | 0.8 | 36.5 | |
| Sample ID: MB-RA-TH-ISO-1350 | 3 | Method Blank | | Run: EGG-ORTEC_110323A | | | 03/25/11 13:40 | | | |
| Thorium 230 | | 0.02 | pCi/L | | | | | | | U |
| Thorium 230 precision (\pm) | | 0.05 | pCi/L | | | | | | | |
| Thorium 230 MDC | | 0.10 | pCi/L | | | | | | | |
| Method: E908.0 | | | | | | | | | | Batch: 29347 |
| Sample ID: C11030665-002GMS | Sample Matrix Spike | | | Run: EGG-ORTEC_110324A | | | 03/29/11 08:53 | | | |
| Thorium 230 | | 8.8 | pCi/L | 104 | | 70 | 130 | | | |
| Sample ID: C11030665-002GMSD | Sample Matrix Spike Duplicate | | | Run: EGG-ORTEC_110324A | | | 03/29/11 08:53 | | | |
| Thorium 230 | | 11 | pCi/L | 128 | | 70 | 130 | 20 | 49.7 | |
| Sample ID: LCS-29347 | Laboratory Control Sample | | | Run: EGG-ORTEC_110324A | | | 03/29/11 08:53 | | | |
| Thorium 230 | | 12 | pCi/L | 120 | | 70 | 130 | | | |
| Sample ID: MB-29347 | 3 | Method Blank | | Run: EGG-ORTEC_110324A | | | 03/29/11 08:53 | | | |
| Thorium 230 | | -0.2 | pCi/L | | | | | | | U |
| Thorium 230 precision (\pm) | | 0.2 | pCi/L | | | | | | | |
| Thorium 230 MDC | | 0.3 | pCi/L | | | | | | | |

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 04/19/11

Project: Marsland G-8 Samples

Work Order: C11030665

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|--|-------|-------------------------------|-------|-----|------|-----------------|------------|----------------------|----------|----------------|
| Method: E909.0 | | | | | | | | Batch: T_PB-210-0087 | | |
| Sample ID: MB-PB-210-0087 | 3 | Method Blank | | | | Run: SUB-T39912 | | | | 04/07/11 18:03 |
| Lead 210 | | -0.4 | pCi/L | | | | | | | U |
| Lead 210 precision (\pm) | | 1.0 | pCi/L | | | | | | | |
| Lead 210 MDC | | 2 | pCi/L | | | | | | | |
| Sample ID: LCS-PB-210-0087 | | Laboratory Control Sample | | | | Run: SUB-T39912 | | | | 04/07/11 20:15 |
| Lead 210 | | 58 | pCi/L | 109 | | 70 | 130 | | | |
| Sample ID: TAP WATERMS | | Sample Matrix Spike | | | | Run: SUB-T39912 | | | | 04/08/11 00:38 |
| Lead 210 | | 53 | pCi/L | 100 | | 70 | 130 | | | |
| Sample ID: TAP WATERMSD | | Sample Matrix Spike Duplicate | | | | Run: SUB-T39912 | | | | 04/08/11 02:49 |
| Lead 210 | | 57 | pCi/L | 107 | | 70 | 130 | 7.6 | 16 | |
| Method: E909.0 | | | | | | | | Batch: T_13599 | | |
| Sample ID: C11030665-004GMSD | | Sample Matrix Spike Duplicate | | | | Run: SUB-T39934 | | | | 04/09/11 09:30 |
| Lead 210 | | 77 | pCi/L | 81 | | 70 | 130 | 25 | 16.2 | R |
| - The RPD for the MSD is high. The individual spike recoveries are within range, the MB is acceptable, and the LCS is within range, therefore the batch is approved. | | | | | | | | | | |
| Sample ID: MB-13599 / 29347 | 3 | Method Blank | | | | Run: SUB-T39934 | | | | 04/08/11 18:10 |
| Lead 210 | | 1 | pCi/L | | | | | | | U |
| Lead 210 precision (\pm) | | 6 | pCi/L | | | | | | | |
| Lead 210 MDC | | 10 | pCi/L | | | | | | | |
| Sample ID: LCS-13599 29347 | | Laboratory Control Sample | | | | Run: SUB-T39934 | | | | 04/08/11 20:21 |
| Lead 210 | | 320 | pCi/L | 88 | | 70 | 130 | | | |
| Sample ID: C11030665-004GMS | | Sample Matrix Spike | | | | Run: SUB-T39934 | | | | 04/09/11 07:18 |
| Lead 210 | | 99 | pCi/L | 105 | | 70 | 130 | | | |

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

U - Not detected at minimum detectable concentration

ND - Not detected at the reporting limit.

R - RPD exceeds advisory limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 04/19/11

Project: Marsland G-8 Samples

Work Order: C11030665

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|--|-------------------------------|--------------|-------|------------------------|------|-----------|----------------|-------------------|----------|------|
| Method: E912.0 | | | | | | | | Batch: PO210-0355 | | |
| Sample ID: C11030665-001FMS | Sample Matrix Spike | | | Run: EGG-ORTEC_110328A | | | 03/30/11 09:06 | | | |
| Polonium 210 | 13 | pCi/L | | 97 | 70 | 130 | | | | |
| Sample ID: C11030665-001FMSD | Sample Matrix Spike Duplicate | | | Run: EGG-ORTEC_110328A | | | 03/30/11 09:06 | | | |
| Polonium 210 | 11 | pCi/L | | 87 | 70 | 130 | 10 | 74.1 | | |
| Sample ID: MB-PO210-0355 | 3 | Method Blank | | Run: EGG-ORTEC_110328A | | | 03/30/11 09:06 | | | |
| Polonium 210 | | -0.02 | pCi/L | | | | | | U | |
| Polonium 210 precision (±) | | 0.2 | pCi/L | | | | | | | |
| Polonium 210 MDC | | 0.5 | pCi/L | | | | | | | |
| Sample ID: LCS-PO210-0355 | Laboratory Control Sample | | | Run: EGG-ORTEC_110328A | | | 03/30/11 09:06 | | | |
| Polonium 210 | 8.1 | pCi/L | | 127 | 20 | 120 | | | S | |
| - LCS response is outside of the acceptance range for this analysis. Since the MB, MS, and MSD are acceptable the batch is approved. | | | | | | | | | | |
| Method: E912.0 | | | | | | | | Batch: 29347 | | |
| Sample ID: C11030665-004GMS | Sample Matrix Spike | | | Run: EGG-ORTEC_110328B | | | 03/30/11 09:07 | | | |
| Polonium 210 | 5.3 | pCi/L | | 98 | 70 | 130 | | | | |
| Sample ID: C11030665-004GMSD | Sample Matrix Spike Duplicate | | | Run: EGG-ORTEC_110328B | | | 03/30/11 09:07 | | | |
| Polonium 210 | 4.3 | pCi/L | | 78 | 70 | 130 | 22 | 85.4 | | |
| Sample ID: LCS-29347 | Laboratory Control Sample | | | Run: EGG-ORTEC_110328B | | | 03/30/11 09:07 | | | |
| Polonium 210 | 30 | pCi/L | | 99 | 70 | 130 | | | | |
| Sample ID: MB-29347 | 3 | Method Blank | | Run: EGG-ORTEC_110328B | | | 03/30/11 09:07 | | | |
| Polonium 210 | | -0.1 | pCi/L | | | | | | U | |
| Polonium 210 precision (±) | | 1 | pCi/L | | | | | | | |
| Polonium 210 MDC | | 3 | pCi/L | | | | | | | |

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

U - Not detected at minimum detectable concentration

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

Workorder Receipt Checklist

Crow Butte Resources



C11030665

Login completed by: Edith McPike

Date Received: 3/22/2011

Reviewed by: BL2000\cwagner

Received by: ha

Reviewed Date: 3/24/2011

Carrier Next Day Air Early
name: AM

| | | | |
|---|---|-----------------------------|--|
| Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Container/Temp Blank temperature: | 6.-2°C On Ice | | |
| Water - VOA vials have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | No VOA vials submitted <input checked="" type="checkbox"/> |
| Water - pH acceptable upon receipt? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Applicable <input type="checkbox"/> |

Contact and Corrective Action Comments:

Samples filtered and preserved as necessary for dissolved radiochem and suspended analysis.



Chain of Custody and Analytical Request Record

Page 1 of 1

PLEASE PRINT- Provide as much information as possible.

| | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|--|---|---|----------------------------|-------------------------------|--------------------|---|-----------------------------|-------------------------------|---|----------------------------------|------------------|---|----------------------------|--|---|---------------------------|---------------------|--|--|
| Company Name: Crow Butte Resources, Inc. | | | Project Name Mariland G-8 Samples | | | Sample Origin State: | | | EPA/State Compliance: Yes <input type="checkbox"/> No <input type="checkbox"/> | | | | | | | | | | | | | |
| Report Mail Address: P.O. Box 169 Crawford, NE 69339 | | | Contact Name: Larry Teahon | | | Phone/Fax: 308-665-2341 | | | Email: daxmynus@msn.com | | | Sampler: (Please Print) Brooke Bass Rhonda Pelton | | | | | | | | | | |
| Invoice Address: P.O. Box 169 Crawford, NE 69339 | | | Invoice Contact & Phone: Larry Teahon 308-665-2215 ext 114 | | | | | | Purchase Order: 1125 | | | Quote/Bottle Order: | | | | | | | | | | |
| Special Report/Formats – ELI must be notified prior to sample submittal for the following: <input type="checkbox"/> DW <input type="checkbox"/> A2LA <input type="checkbox"/> GSA <input type="checkbox"/> EDD/EDT (Electronic Data) <input type="checkbox"/> POTW/WWTP <input type="checkbox"/> Format: _____ <input type="checkbox"/> State: _____ <input type="checkbox"/> LEVEL IV <input type="checkbox"/> Other: _____ <input type="checkbox"/> NELAC | | | | Number of Containers Sample Type: A W S V B O Air Water Soils/Solids Vegetation Bioassay Other | ANALYSIS REQUESTED | | | | | | | | | | Contact ELI prior to RUSH sample submittal for charges and scheduling – See Instruction Page | Shipped by: UPS NDA SVL | | | | | | |
| | | | | | SEE ATTACHED Normal Turnaround (TAT) | | | | | | | | | | | | | | | | | |
| SAMPLE IDENTIFICATION (Name, Location, Interval, etc.) | | | | Collection Date | Collection Time | MATRIX | HNO3-F, Metals | RAW-F, Common Ions | RAW-UF, Alkalinity | H2SO4-F, NO2, NO3, NH4 | Raw-UF, Ra226, Po210 dis, sus | Raw-UF, Pb210 dis and sus | Raw-UF, Th230, U-net dis and sus | R U S H | Comments: NDEQ parameters for baseline sampling. Report on separate sheets. Analyze as per WDEQ Guideline 8 and NRC Reg. Guide 4.14 requirements. Record U as mg/L and µCi/ml and radiometrics as pCi/L. | Receipt Temp 6.2 °C | On Ice: <input checked="" type="radio"/> Yes <input type="radio"/> No | Custody Seal Y <input checked="" type="radio"/> N | Intact Y N | Signature Match Y N | | |
| 1 BOW2010-2 | | | | 3-18-11 | | Water | .5 | 1 | 1 | .5 | 1 | 1 | 1 | | | | Please report 4/8/11 | | | | | |
| 2 BOW2010-3 | | | | 3-18-11 | | Water | .5 | 1 | 1 | .5 | 1 | 1 | 1 | | | | Please report 4/8/11 | | | | | |
| 3 BOW2010-5 | | | | 3-18-11 | | Water | .5 | 1 | 1 | .5 | 1 | 1 | 1 | | | | Please report 4/8/11 | | | | | |
| 4 BOW2010-6 | | | | 3-18-11 | | Water | .5 | 1 | 1 | .5 | 1 | 1 | 1 | | | | Please report 4/8/11 | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | |
| Custody Record MUST be Signed | | | | Relinquished by (print): Rhonda Pelton | | | Date/Time: 3-21-11 10:30am | | | Signature: Rhonda Pelton | | | Received by (print): UPS | | | Date/Time: 3-22-11 900 | | | Signature: [Signature] | | | |
| | | | | Relinquished by (print): | | | Date/Time: | | | Signature: | | | Received by (print): | | | Date/Time: | | | Signature: | | | |
| | | | | Sample Disposal: Return to Client: No | | | Lab Disposal: YES | | | | | | | | | | | | | | | |

Page 28 of 29

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report. Visit our web site at www.enemulab.com for additional information, downloadable fee schedule, forms, and links.

CROW BUTTE RESOURCES, INC.
CROW BUTTE PROJECT

NO₂⁻

DATE: 3/18/11

ANALYST: MO

STANDARD CURVE DATA

| | | | | | | | |
|-----|------|------|------|------|-------|--|--|
| | BL | .01 | .05 | .10 | 99956 | | |
| Abs | 0.00 | .037 | .179 | .339 | | | |
| Abs | | | | | | | |

| SAMPLE # | VOLUME | Df | Abs | mg/L |
|--------------------|--------|----|------|------|
| 1 BOW 2010-2 | 10ml | 1 | .040 | .01 |
| 2 BOW 2010-3 | 10ml | 1 | .281 | .08 |
| 3 BOW 2010-5 | 10ml | 1 | .014 | <1 |
| 4 BOW 2010-6 | 10ml | 1 | .037 | .01 |
| 5 BOW 2010-5 Dup | 10ml | 1 | .010 | <1 |
| Dup BOW 2010-3 Dup | 5ml | 2 | .144 | .08 |
| 6 | | | | |
| 7 | | | | |
| 8 | | | | |
| 9 | | | | |
| 10 | | | | |
| Dup | | | | |
| 11 | | | | |
| 12 | | | | |
| 13 | | | | |
| 14 | | | | |
| 15 | | | | |
| Dup | | | | |
| 16 | | | | |
| 17 | | | | |
| 18 | | | | |
| 19 | | | | |
| 20 | | | | |
| Dup | | | | |
| 21 | | | | |
| 22 | | | | |
| 23 | | | | |
| 24 | | | | |
| 25 | | | | |
| Dup | | | | |



ANALYTICAL SUMMARY REPORT

May 19, 2011

Crow Butte Resources
86 Crow Butte Rd
Crawford, NE 69339

Workorder No.: C11030766 Quote ID: C1125 - Crow Butte Uranium

Project Name: Marsland Baseline Samples

Energy Laboratories, Inc. Casper WY received the following 5 samples for Crow Butte Resources on 3/25/2011 for analysis.

| Sample ID | Client Sample ID | Collect Date | Receive Date | Matrix | Test |
|---------------|------------------|---------------|--------------|---------|--|
| C11030766-001 | CPW-1 | 03/24/11 0:00 | 03/25/11 | Aqueous | Metals by ICP/ICPMS, Dissolved Alkalinity QA Calculations Conductivity Sample Filtering Fluoride E300.0 Anions Uranium, Suspended Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Digestion, Total Metals Lead 210, Dissolved Lead 210, Suspended Polonium 210, Dissolved Polonium 210, Suspended Radium 226, Dissolved Radium 226, Suspended Thorium, Isotopic Thorium, Suspended Isotopic Solids, Total Dissolved |
| C11030766-002 | BOW-1 | 03/24/11 0:00 | 03/25/11 | Aqueous | Same As Above |
| C11030766-003 | Well #788 | 03/24/11 0:00 | 03/25/11 | Aqueous | Same As Above |
| C11030766-004 | Well #705 | 03/24/11 0:00 | 03/25/11 | Aqueous | Same As Above |
| C11030766-005 | Well #727 | 03/24/11 0:00 | 03/25/11 | Aqueous | Same As Above |

This report was prepared by Energy Laboratories, Inc., 2393 Salt Creek Hwy., Casper, WY 82601. Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

The results as reported relate only to the item(s) submitted for testing.

If you have any questions regarding these test results, please call.

Report Approved By:



CLIENT: Crow Butte Resources
Project: Marsland Baseline Samples
Sample Delivery Group: C11030766

Report Date: 05/19/11

CASE NARRATIVE

RADIOCHEMISTRY ANALYSIS

Per client request, results less than MDC (or precision if no MDC), are reported as <MDC (or <precision). Actual instrument results are available by request.

BRANCH LABORATORY SUBCONTRACT ANALYSIS

Tests associated with analyst identified as ELI-CS were subcontracted to Energy Laboratories, 415 Graham Rd., College Station, TX, EPA Number TX01520.

ORIGINAL SAMPLE SUBMITTAL(S)

All original sample submittals have been returned with the data package.

SAMPLE TEMPERATURE COMPLIANCE: 4°C (±2°C)

Temperature of samples received may not be considered properly preserved by accepted standards. Samples that are hand delivered immediately after collection shall be considered acceptable if there is evidence that the chilling process has begun.

GROSS ALPHA ANALYSIS

Method 900.0 for gross alpha and gross beta is intended as a drinking water method for low TDS waters. Data provided by this method for non potable waters should be viewed as inconsistent.

SOIL/SOLID SAMPLES

All samples reported on an as received basis unless otherwise indicated.

SUBCONTRACTING ANALYSIS

Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.

BRANCH LABORATORY LOCATIONS

eli-b - Energy Laboratories, Inc. - Billings, MT
eli-g - Energy Laboratories, Inc. - Gillette, WY
eli-h - Energy Laboratories, Inc. - Helena, MT
eli-r - Energy Laboratories, Inc. - Rapid City, SD
eli-t - Energy Laboratories, Inc. - College Station, TX

CERTIFICATIONS:

USEPA: WY00002; FL-DOH NELAC: E87641; California: 02118CA
Oregon: WY200001; Utah: 3072350515; Virginia: 00057; Washington: C1903

ISO 17025 DISCLAIMER:

The results of this Analytical Report relate only to the items submitted for analysis.

ENERGY LABORATORIES, INC. - CASPER, WY certifies that certain method selections contained in this report meet requirements as set forth by the above accrediting authorities. Some results requested by the client may not be covered under these certifications. All analysis data to be submitted for regulatory enforcement should be certified in the sample state of origin. Please verify ELI's certification coverage by visiting www.energylab.com

ELI appreciates the opportunity to provide you with this analytical service. For additional information and services visit our web page www.energylab.com.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11030766-001
Client Sample ID: CPW-1

Report Date: 05/19/11
Collection Date: 03/24/11
Date Received: 03/25/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 368 | mg/L | | 1 | | A2320 B | 03/25/11 20:25 / jba |
| Carbonate as CO ₃ | 13 | mg/L | | 1 | | A2320 B | 03/25/11 20:25 / jba |
| Bicarbonate as HCO ₃ | 422 | mg/L | | 1 | | A2320 B | 03/25/11 20:25 / jba |
| Calcium | 6 | mg/L | | 1 | | E200.7 | 04/05/11 02:07 / cp |
| Chloride | 185 | mg/L | | 1 | | E300.0 | 03/29/11 06:22 / ljl |
| Fluoride | 0.8 | mg/L | | 0.1 | | A4500-F C | 03/28/11 13:11 / jba |
| Magnesium | 2 | mg/L | | 1 | | E200.7 | 04/05/11 02:07 / cp |
| Nitrogen, Ammonia as N | 0.24 | mg/L | | 0.05 | | A4500-NH ₃ G | 03/28/11 15:17 / dc |
| Nitrogen, Nitrate+Nitrite as N | ND | mg/L | | 0.1 | | E353.2 | 03/29/11 14:18 / dc |
| Potassium | 11 | mg/L | | 1 | | E200.7 | 04/05/11 02:07 / cp |
| Silica | 15.0 | mg/L | | 0.2 | | E200.8 | 03/31/11 08:14 / sml |
| Sodium | 337 | mg/L | | 1 | | E200.7 | 04/05/11 02:07 / cp |
| Sulfate | 96 | mg/L | D | 4 | | E300.0 | 03/29/11 06:22 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 1410 | umhos/cm | | 1 | | A2510 B | 03/25/11 14:52 / lmc |
| pH | 8.41 | s.u. | | 0.01 | | A4500-H B | 03/25/11 14:52 / lmc |
| Solids, Total Dissolved TDS @ 180 C | 853 | mg/L | | 10 | | A2540 C | 03/28/11 14:22 / lr |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.8 | 03/31/11 08:14 / sml |
| Arsenic | 0.002 | mg/L | | 0.001 | | E200.8 | 03/31/11 08:14 / sml |
| Barium | ND | mg/L | | 0.1 | | E200.8 | 03/31/11 08:14 / sml |
| Boron | 1.3 | mg/L | | 0.1 | | E200.8 | 03/31/11 08:14 / sml |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 03/31/11 08:14 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 03/31/11 08:14 / sml |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 03/31/11 08:14 / sml |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 04/05/11 02:07 / cp |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 03/31/11 08:14 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 03/31/11 08:14 / sml |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 03/31/11 08:14 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 03/31/11 08:14 / sml |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 03/31/11 08:14 / sml |
| Selenium | ND | mg/L | | 0.001 | | E200.8 | 03/31/11 08:14 / sml |
| Uranium | 0.0112 | mg/L | | 0.0003 | | E200.8 | 03/31/11 08:14 / sml |
| Uranium, Activity | 7.6E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 03/31/11 08:14 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 03/31/11 08:14 / sml |
| Zinc | 0.01 | mg/L | | 0.01 | | E200.7 | 04/05/11 02:07 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 04/05/11 17:44 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 04/05/11 17:44 / sml |

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11030766-001
Client Sample ID: CPW-1

Report Date: 05/19/11
Collection Date: 03/24/11
Date Received: 03/25/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|------|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | 8.4 | pCi/L | | 0.8 | | E909.0 | 04/25/11 13:10 / eli-cs |
| Lead 210 precision (±) | 0.6 | pCi/L | | | | E909.0 | 04/25/11 13:10 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 04/25/11 13:10 / eli-cs |
| Polonium 210 | <1.1 | pCi/L | U | 1.1 | | E912.0 | 03/30/11 11:18 / ep |
| Polonium 210 precision (±) | 0.8 | pCi/L | | | | E912.0 | 03/30/11 11:18 / ep |
| Polonium 210 MDC | 1.1 | pCi/L | | | | E912.0 | 03/30/11 11:18 / ep |
| Radium 226 | 34 | pCi/L | | 0.19 | | E903.0 | 05/03/11 11:14 / trs |
| Radium 226 precision (±) | 1.2 | pCi/L | | | | E903.0 | 05/03/11 11:14 / trs |
| Radium 226 MDC | 0.19 | pCi/L | | | | E903.0 | 05/03/11 11:14 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 03/31/11 16:17 / dmf |
| Thorium 230 precision (±) | 0.1 | pCi/L | | | | E908.0 | 03/31/11 16:17 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 03/31/11 16:17 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | 2.1 | pCi/L | | 1.0 | | E909.0 | 05/03/11 05:51 / eli-cs |
| Lead 210 precision (±) | 0.6 | pCi/L | | | | E909.0 | 05/03/11 05:51 / eli-cs |
| Lead 210 MDC | 1.0 | pCi/L | | | | E909.0 | 05/03/11 05:51 / eli-cs |
| Polonium 210 | 0.4 | pCi/L | | 0.2 | | E912.0 | 04/14/11 08:57 / ep |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 04/14/11 08:57 / ep |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 04/14/11 08:57 / ep |
| Radium 226 | 0.27 | pCi/L | | 0.09 | | E903.0 | 04/11/11 14:34 / plj |
| Radium 226 precision (±) | 0.09 | pCi/L | | | | E903.0 | 04/11/11 14:34 / plj |
| Radium 226 MDC | 0.09 | pCi/L | | | | E903.0 | 04/11/11 14:34 / plj |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 04/05/11 09:08 / dmf |
| Thorium 230 precision (±) | 0.08 | pCi/L | | | | E908.0 | 04/05/11 09:08 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 04/05/11 09:08 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 2.56 | % | | | | Calculation | 04/07/11 12:21 / kbh |
| Anions | 14.6 | meq/L | | | | Calculation | 04/07/11 12:21 / kbh |
| Cations | 15.4 | meq/L | | | | Calculation | 04/07/11 12:21 / kbh |
| Solids, Total Dissolved Calculated | 877 | mg/L | | | | Calculation | 04/07/11 12:21 / kbh |
| TDS Balance (0.80 - 1.20) | 0.970 | | | | | Calculation | 04/07/11 12:21 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11030766-002
Client Sample ID: BOW-1

Report Date: 05/19/11
Collection Date: 03/24/11
Date Received: 03/25/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 217 | mg/L | | 1 | | A2320 B | 03/25/11 20:34 / jba |
| Carbonate as CO ₃ | 97 | mg/L | | 1 | | A2320 B | 03/25/11 20:34 / jba |
| Bicarbonate as HCO ₃ | 67 | mg/L | | 1 | | A2320 B | 03/25/11 20:34 / jba |
| Calcium | 5 | mg/L | | 1 | | E200.7 | 04/05/11 02:23 / cp |
| Chloride | 55 | mg/L | | 1 | | E300.0 | 03/29/11 06:38 / ljl |
| Fluoride | 0.6 | mg/L | | 0.1 | | A4500-F C | 03/28/11 13:14 / jba |
| Magnesium | ND | mg/L | | 1 | | E200.7 | 04/05/11 02:23 / cp |
| Nitrogen, Ammonia as N | ND | mg/L | | 0.05 | | A4500-NH ₃ G | 03/28/11 15:25 / dc |
| Nitrogen, Nitrate+Nitrite as N | 1.3 | mg/L | | 0.1 | | E353.2 | 03/29/11 14:20 / dc |
| Potassium | 12 | mg/L | | 1 | | E200.7 | 04/05/11 02:23 / cp |
| Silica | 108 | mg/L | | 0.2 | | E200.7 | 05/11/11 13:34 / cp |
| Sodium | 156 | mg/L | | 1 | | E200.7 | 04/05/11 02:23 / cp |
| Sulfate | 61 | mg/L | D | 2 | | E300.0 | 03/29/11 06:38 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 724 | umhos/cm | | 1 | | A2510 B | 03/25/11 14:53 / lmc |
| pH | 9.88 | s.u. | | 0.01 | | A4500-H B | 03/25/11 14:53 / lmc |
| Solids, Total Dissolved TDS @ 180 C | 508 | mg/L | | 10 | | A2540 C | 03/28/11 14:23 / lr |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.8 | 03/31/11 08:21 / sml |
| Arsenic | 0.017 | mg/L | | 0.001 | | E200.8 | 03/31/11 08:21 / sml |
| Barium | ND | mg/L | | 0.1 | | E200.8 | 03/31/11 08:21 / sml |
| Boron | 0.1 | mg/L | | 0.1 | | E200.8 | 03/31/11 08:21 / sml |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 03/31/11 08:21 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 03/31/11 08:21 / sml |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 03/31/11 08:21 / sml |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 04/05/11 02:23 / cp |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 03/31/11 08:21 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 03/31/11 08:21 / sml |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 03/31/11 08:21 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 03/31/11 08:21 / sml |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 03/31/11 08:21 / sml |
| Selenium | 0.021 | mg/L | | 0.001 | | E200.8 | 03/31/11 08:21 / sml |
| Uranium | 0.0024 | mg/L | | 0.0003 | | E200.8 | 03/31/11 08:21 / sml |
| Uranium, Activity | 1.6E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 03/31/11 08:21 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 03/31/11 08:21 / sml |
| Zinc | 0.04 | mg/L | | 0.01 | | E200.7 | 04/05/11 02:23 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 04/05/11 17:49 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 04/05/11 17:49 / sml |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11030766-002
Client Sample ID: BOW-1

Report Date: 05/19/11
Collection Date: 03/24/11
Date Received: 03/25/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|------|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 04/25/11 17:32 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 04/25/11 17:32 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 04/25/11 17:32 / eli-cs |
| Polonium 210 | <1.2 | pCi/L | U | 1.2 | | E912.0 | 03/30/11 11:17 / ep |
| Polonium 210 precision (±) | 0.4 | pCi/L | | | | E912.0 | 03/30/11 11:17 / ep |
| Polonium 210 MDC | 1.2 | pCi/L | | | | E912.0 | 03/30/11 11:17 / ep |
| Radium 226 | 0.66 | pCi/L | | 0.14 | | E903.0 | 04/04/11 21:16 / dmf |
| Radium 226 precision (±) | 0.19 | pCi/L | | | | E903.0 | 04/04/11 21:16 / dmf |
| Radium 226 MDC | 0.14 | pCi/L | | | | E903.0 | 04/04/11 21:16 / dmf |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 03/31/11 16:17 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 03/31/11 16:17 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 03/31/11 16:17 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 05/03/11 12:25 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 05/03/11 12:25 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 05/03/11 12:25 / eli-cs |
| Polonium 210 | <0.2 | pCi/L | U | 0.2 | | E912.0 | 04/14/11 08:57 / ep |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 04/14/11 08:57 / ep |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 04/14/11 08:57 / ep |
| Radium 226 | 0.21 | pCi/L | | 0.09 | | E903.0 | 04/11/11 14:34 / plj |
| Radium 226 precision (±) | 0.09 | pCi/L | | | | E903.0 | 04/11/11 14:34 / plj |
| Radium 226 MDC | 0.09 | pCi/L | | | | E903.0 | 04/11/11 14:34 / plj |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 04/05/11 09:08 / dmf |
| Thorium 230 precision (±) | 0.1 | pCi/L | | | | E908.0 | 04/05/11 09:08 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 04/05/11 09:08 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 0.476 | % | | | | Calculation | 04/07/11 12:21 / kbh |
| Anions | 7.29 | meq/L | | | | Calculation | 04/07/11 12:21 / kbh |
| Cations | 7.36 | meq/L | | | | Calculation | 04/07/11 12:21 / kbh |
| Solids, Total Dissolved Calculated | 567 | mg/L | | | | Calculation | 04/07/11 12:21 / kbh |
| TDS Balance (0.80 - 1.20) | 0.900 | | | | | Calculation | 04/07/11 12:21 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11030766-003
Client Sample ID: Well #788

Report Date: 05/19/11
Collection Date: 03/24/11
Date Received: 03/25/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 154 | mg/L | | 1 | | A2320 B | 03/25/11 20:42 / jba |
| Carbonate as CO ₃ | ND | mg/L | | 1 | | A2320 B | 03/25/11 20:42 / jba |
| Bicarbonate as HCO ₃ | 187 | mg/L | | 1 | | A2320 B | 03/25/11 20:42 / jba |
| Calcium | 34 | mg/L | | 1 | | E200.7 | 04/05/11 02:27 / cp |
| Chloride | 3 | mg/L | | 1 | | E300.0 | 03/29/11 06:53 / ljl |
| Fluoride | 0.4 | mg/L | | 0.1 | | A4500-F C | 03/28/11 13:17 / jba |
| Magnesium | 9 | mg/L | | 1 | | E200.7 | 04/05/11 02:27 / cp |
| Nitrogen, Ammonia as N | ND | mg/L | | 0.05 | | A4500-NH ₃ G | 03/28/11 15:27 / dc |
| Nitrogen, Nitrate+Nitrite as N | 2.2 | mg/L | | 0.1 | | E353.2 | 03/29/11 14:23 / dc |
| Potassium | 4 | mg/L | | 1 | | E200.7 | 04/05/11 02:27 / cp |
| Silica | 69.2 | mg/L | | 0.2 | | E200.7 | 05/11/11 13:50 / cp |
| Sodium | 19 | mg/L | | 1 | | E200.7 | 04/05/11 02:27 / cp |
| Sulfate | 7 | mg/L | | 1 | | E300.0 | 03/29/11 06:53 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 307 | umhos/cm | | 1 | | A2510 B | 03/25/11 15:04 / lmc |
| pH | 7.98 | s.u. | | 0.01 | | A4500-H B | 03/25/11 15:04 / lmc |
| Solids, Total Dissolved TDS @ 180 C | 231 | mg/L | | 10 | | A2540 C | 03/28/11 14:23 / lr |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.8 | 03/31/11 08:28 / sml |
| Arsenic | 0.003 | mg/L | | 0.001 | | E200.8 | 03/31/11 08:28 / sml |
| Barium | 0.1 | mg/L | | 0.1 | | E200.8 | 03/31/11 08:28 / sml |
| Boron | ND | mg/L | | 0.1 | | E200.8 | 03/31/11 08:28 / sml |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 03/31/11 08:28 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 03/31/11 08:28 / sml |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 03/31/11 08:28 / sml |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 04/05/11 02:27 / cp |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 03/31/11 08:28 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 03/31/11 08:28 / sml |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 03/31/11 08:28 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 03/31/11 08:28 / sml |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 03/31/11 08:28 / sml |
| Selenium | 0.001 | mg/L | | 0.001 | | E200.8 | 03/31/11 08:28 / sml |
| Uranium | 0.0072 | mg/L | | 0.0003 | | E200.8 | 03/31/11 08:28 / sml |
| Uranium, Activity | 4.8E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 03/31/11 08:28 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 03/31/11 08:28 / sml |
| Zinc | 0.07 | mg/L | | 0.01 | | E200.7 | 04/05/11 02:27 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 04/05/11 18:09 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 04/05/11 18:09 / sml |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11030766-003
Client Sample ID: Well #788

Report Date: 05/19/11
Collection Date: 03/24/11
Date Received: 03/25/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|------|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 04/25/11 19:44 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 04/25/11 19:44 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 04/25/11 19:44 / eli-cs |
| Polonium 210 | <0.7 | pCi/L | U | 0.7 | | E912.0 | 03/30/11 11:18 / ep |
| Polonium 210 precision (±) | 0.4 | pCi/L | | | | E912.0 | 03/30/11 11:18 / ep |
| Polonium 210 MDC | 0.7 | pCi/L | | | | E912.0 | 03/30/11 11:18 / ep |
| Radium 226 | 0.67 | pCi/L | | 0.11 | | E903.0 | 04/04/11 21:16 / dmf |
| Radium 226 precision (±) | 0.16 | pCi/L | | | | E903.0 | 04/04/11 21:16 / dmf |
| Radium 226 MDC | 0.11 | pCi/L | | | | E903.0 | 04/04/11 21:16 / dmf |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 03/31/11 16:17 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 03/31/11 16:17 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 03/31/11 16:17 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 05/03/11 14:36 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 05/03/11 14:36 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 05/03/11 14:36 / eli-cs |
| Polonium 210 | <0.2 | pCi/L | U | 0.2 | | E912.0 | 04/14/11 08:57 / ep |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 04/14/11 08:57 / ep |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 04/14/11 08:57 / ep |
| Radium 226 | <0.09 | pCi/L | U | 0.09 | | E903.0 | 04/11/11 14:34 / plj |
| Radium 226 precision (±) | 0.07 | pCi/L | | | | E903.0 | 04/11/11 14:34 / plj |
| Radium 226 MDC | 0.09 | pCi/L | | | | E903.0 | 04/11/11 14:34 / plj |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 04/05/11 09:08 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 04/05/11 09:08 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 04/05/11 09:08 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | -1.80 | % | | | | Calculation | 04/07/11 12:22 / kbh |
| Anions | 3.48 | meq/L | | | | Calculation | 04/07/11 12:22 / kbh |
| Cations | 3.36 | meq/L | | | | Calculation | 04/07/11 12:22 / kbh |
| Solids, Total Dissolved Calculated | 275 | mg/L | | | | Calculation | 04/07/11 12:22 / kbh |
| TDS Balance (0.80 - 1.20) | 0.840 | | | | | Calculation | 04/07/11 12:22 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11030766-004
Client Sample ID: Well #705

Report Date: 05/19/11
Collection Date: 03/24/11
Date Received: 03/25/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 153 | mg/L | | 1 | | A2320 B | 03/25/11 20:50 / jba |
| Carbonate as CO ₃ | ND | mg/L | | 1 | | A2320 B | 03/25/11 20:50 / jba |
| Bicarbonate as HCO ₃ | 187 | mg/L | | 1 | | A2320 B | 03/25/11 20:50 / jba |
| Calcium | 33 | mg/L | | 1 | | E200.7 | 04/05/11 02:31 / cp |
| Chloride | 3 | mg/L | | 1 | | E300.0 | 03/29/11 07:09 / lji |
| Fluoride | 0.6 | mg/L | | 0.1 | | A4500-F C | 03/28/11 13:34 / jba |
| Magnesium | 8 | mg/L | | 1 | | E200.7 | 04/05/11 02:31 / cp |
| Nitrogen, Ammonia as N | ND | mg/L | | 0.05 | | A4500-NH ₃ G | 03/28/11 15:29 / dc |
| Nitrogen, Nitrate+Nitrite as N | 1.4 | mg/L | | 0.1 | | E353.2 | 03/29/11 14:25 / dc |
| Potassium | 4 | mg/L | | 1 | | E200.7 | 04/05/11 02:31 / cp |
| Silica | 70.6 | mg/L | | 0.2 | | E200.7 | 05/11/11 13:58 / cp |
| Sodium | 19 | mg/L | | 1 | | E200.7 | 04/05/11 02:31 / cp |
| Sulfate | 9 | mg/L | | 1 | | E300.0 | 03/29/11 07:09 / lji |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 307 | umhos/cm | | 1 | | A2510 B | 03/25/11 15:07 / lmc |
| pH | 7.94 | s.u. | | 0.01 | | A4500-H B | 03/25/11 15:07 / lmc |
| Solids, Total Dissolved TDS @ 180 C | 216 | mg/L | | 10 | | A2540 C | 03/28/11 14:23 / lr |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.8 | 03/31/11 08:35 / sml |
| Arsenic | 0.004 | mg/L | | 0.001 | | E200.8 | 03/31/11 08:35 / sml |
| Barium | 0.1 | mg/L | | 0.1 | | E200.8 | 03/31/11 08:35 / sml |
| Boron | ND | mg/L | | 0.1 | | E200.8 | 03/31/11 08:35 / sml |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 03/31/11 08:35 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 03/31/11 08:35 / sml |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 03/31/11 08:35 / sml |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 04/05/11 02:31 / cp |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 03/31/11 08:35 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 03/31/11 08:35 / sml |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 03/31/11 08:35 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 03/31/11 08:35 / sml |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 03/31/11 08:35 / sml |
| Selenium | 0.001 | mg/L | | 0.001 | | E200.8 | 03/31/11 08:35 / sml |
| Uranium | 0.0068 | mg/L | | 0.0003 | | E200.8 | 03/31/11 08:35 / sml |
| Uranium, Activity | 4.6E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 03/31/11 08:35 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 03/31/11 08:35 / sml |
| Zinc | 0.08 | mg/L | | 0.01 | | E200.7 | 04/05/11 02:31 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 04/05/11 18:13 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 04/05/11 18:13 / sml |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11030766-004
Client Sample ID: Well #705

Report Date: 05/19/11
Collection Date: 03/24/11
Date Received: 03/25/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|------|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 04/25/11 21:55 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 04/25/11 21:55 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 04/25/11 21:55 / eli-cs |
| Polonium 210 | <0.7 | pCi/L | U | 0.7 | | E912.0 | 03/30/11 11:18 / ep |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 03/30/11 11:18 / ep |
| Polonium 210 MDC | 0.7 | pCi/L | | | | E912.0 | 03/30/11 11:18 / ep |
| Radium 226 | 0.32 | pCi/L | | 0.12 | | E903.0 | 04/04/11 21:16 / dmf |
| Radium 226 precision (±) | 0.12 | pCi/L | | | | E903.0 | 04/04/11 21:16 / dmf |
| Radium 226 MDC | 0.12 | pCi/L | | | | E903.0 | 04/04/11 21:16 / dmf |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 04/01/11 08:43 / dmf |
| Thorium 230 precision (±) | 0.1 | pCi/L | | | | E908.0 | 04/01/11 08:43 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 04/01/11 08:43 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 05/03/11 16:48 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 05/03/11 16:48 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 05/03/11 16:48 / eli-cs |
| Polonium 210 | <0.3 | pCi/L | U | 0.3 | | E912.0 | 04/14/11 08:57 / ep |
| Polonium 210 precision (±) | 0.1 | pCi/L | | | | E912.0 | 04/14/11 08:57 / ep |
| Polonium 210 MDC | 0.3 | pCi/L | | | | E912.0 | 04/14/11 08:57 / ep |
| Radium 226 | 0.14 | pCi/L | | 0.09 | | E903.0 | 04/11/11 14:34 / plj |
| Radium 226 precision (±) | 0.08 | pCi/L | | | | E903.0 | 04/11/11 14:34 / plj |
| Radium 226 MDC | 0.09 | pCi/L | | | | E903.0 | 04/11/11 14:34 / plj |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 04/05/11 09:08 / dmf |
| Thorium 230 precision (±) | 0.08 | pCi/L | | | | E908.0 | 04/05/11 09:08 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 04/05/11 09:08 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | -3.67 | % | | | | Calculation | 04/07/11 12:22 / kbh |
| Anions | 3.46 | meq/L | | | | Calculation | 04/07/11 12:22 / kbh |
| Cations | 3.22 | meq/L | | | | Calculation | 04/07/11 12:22 / kbh |
| Solids, Total Dissolved Calculated | 268 | mg/L | | | | Calculation | 04/07/11 12:22 / kbh |
| TDS Balance (0.80 - 1.20) | 0.810 | | | | | Calculation | 04/07/11 12:22 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11030766-005
Client Sample ID: Well #727

Report Date: 05/19/11
Collection Date: 03/24/11
Date Received: 03/25/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 160 | mg/L | | 1 | | A2320 B | 03/25/11 20:59 / jba |
| Carbonate as CO ₃ | ND | mg/L | | 1 | | A2320 B | 03/25/11 20:59 / jba |
| Bicarbonate as HCO ₃ | 195 | mg/L | | 1 | | A2320 B | 03/25/11 20:59 / jba |
| Calcium | 30 | mg/L | | 1 | | E200.7 | 04/05/11 02:35 / cp |
| Chloride | 5 | mg/L | | 1 | | E300.0 | 03/29/11 07:24 / ljl |
| Fluoride | 0.4 | mg/L | | 0.1 | | A4500-F C | 03/28/11 13:39 / jba |
| Magnesium | 12 | mg/L | | 1 | | E200.7 | 04/05/11 02:35 / cp |
| Nitrogen, Ammonia as N | ND | mg/L | | 0.05 | | A4500-NH ₃ G | 03/28/11 15:31 / dc |
| Nitrogen, Nitrate+Nitrite as N | 1.4 | mg/L | | 0.1 | | E353.2 | 03/29/11 14:38 / dc |
| Potassium | 4 | mg/L | | 1 | | E200.7 | 04/05/11 02:35 / cp |
| Silica | 77.8 | mg/L | | 0.2 | | E200.7 | 05/11/11 14:02 / cp |
| Sodium | 19 | mg/L | | 1 | | E200.7 | 04/05/11 02:35 / cp |
| Sulfate | 9 | mg/L | | 1 | | E300.0 | 03/29/11 07:24 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 325 | umhos/cm | | 1 | | A2510 B | 03/25/11 15:09 / lmc |
| pH | 8.05 | s.u. | | 0.01 | | A4500-H B | 03/25/11 15:09 / lmc |
| Solids, Total Dissolved TDS @ 180 C | 243 | mg/L | | 10 | | A2540 C | 03/28/11 14:23 / lr |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.8 | 03/31/11 08:42 / sml |
| Arsenic | 0.002 | mg/L | | 0.001 | | E200.8 | 03/31/11 08:42 / sml |
| Barium | ND | mg/L | | 0.1 | | E200.8 | 03/31/11 08:42 / sml |
| Boron | ND | mg/L | | 0.1 | | E200.8 | 03/31/11 08:42 / sml |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 03/31/11 08:42 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 03/31/11 08:42 / sml |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 03/31/11 08:42 / sml |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 04/05/11 02:35 / cp |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 03/31/11 08:42 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 03/31/11 08:42 / sml |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 03/31/11 08:42 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 03/31/11 08:42 / sml |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 03/31/11 08:42 / sml |
| Selenium | 0.003 | mg/L | | 0.001 | | E200.8 | 03/31/11 08:42 / sml |
| Uranium | 0.0102 | mg/L | | 0.0003 | | E200.8 | 03/31/11 08:42 / sml |
| Uranium, Activity | 6.9E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 03/31/11 08:42 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 03/31/11 08:42 / sml |
| Zinc | 0.28 | mg/L | | 0.01 | | E200.7 | 04/05/11 02:35 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 04/05/11 18:18 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 04/05/11 18:18 / sml |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11030766-005
Client Sample ID: Well #727

Report Date: 05/19/11
Collection Date: 03/24/11
Date Received: 03/25/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|------|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 04/26/11 00:07 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 04/26/11 00:07 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 04/26/11 00:07 / eli-cs |
| Polonium 210 | <0.7 | pCi/L | U | 0.7 | | E912.0 | 03/30/11 11:18 / ep |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 03/30/11 11:18 / ep |
| Polonium 210 MDC | 0.7 | pCi/L | | | | E912.0 | 03/30/11 11:18 / ep |
| Radium 226 | 0.33 | pCi/L | | 0.12 | | E903.0 | 04/04/11 21:16 / dmf |
| Radium 226 precision (±) | 0.13 | pCi/L | | | | E903.0 | 04/04/11 21:16 / dmf |
| Radium 226 MDC | 0.12 | pCi/L | | | | E903.0 | 04/04/11 21:16 / dmf |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 04/01/11 08:43 / dmf |
| Thorium 230 precision (±) | 0.1 | pCi/L | | | | E908.0 | 04/01/11 08:43 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 04/01/11 08:43 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 05/03/11 18:59 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 05/03/11 18:59 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 05/03/11 18:59 / eli-cs |
| Polonium 210 | <0.3 | pCi/L | U | 0.3 | | E912.0 | 04/14/11 08:57 / ep |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 04/14/11 08:57 / ep |
| Polonium 210 MDC | 0.3 | pCi/L | | | | E912.0 | 04/14/11 08:57 / ep |
| Radium 226 | 0.11 | pCi/L | | 0.09 | | E903.0 | 04/11/11 14:34 / plj |
| Radium 226 precision (±) | 0.08 | pCi/L | | | | E903.0 | 04/11/11 14:34 / plj |
| Radium 226 MDC | 0.09 | pCi/L | | | | E903.0 | 04/11/11 14:34 / plj |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 04/05/11 09:08 / dmf |
| Thorium 230 precision (±) | 0.1 | pCi/L | | | | E908.0 | 04/05/11 09:08 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 04/05/11 09:08 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | -2.51 | % | | | | Calculation | 04/07/11 12:22 / kbh |
| Anions | 3.65 | meq/L | | | | Calculation | 04/07/11 12:22 / kbh |
| Cations | 3.47 | meq/L | | | | Calculation | 04/07/11 12:22 / kbh |
| Solids, Total Dissolved Calculated | 290 | mg/L | | | | Calculation | 04/07/11 12:22 / kbh |
| TDS Balance (0.80 - 1.20) | 0.840 | | | | | Calculation | 04/07/11 12:22 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/19/11

Project: Marsland Baseline Samples

Work Order: C11030766

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|--|-------|---------------------------|-------|-----|------|-----------|----------------------|-----|----------|----------------|
| Method: A2320 B | | | | | | | | | | Batch: R144102 |
| Sample ID: MBLK | 3 | Method Blank | | | | | Run: MANTECH_110325A | | | 03/25/11 15:19 |
| Alkalinity, Total as CaCO ₃ | | 3 | mg/L | 1 | | | | | | |
| Carbonate as CO ₃ | | ND | mg/L | 1 | | | | | | |
| Bicarbonate as HCO ₃ | | 4 | mg/L | 1 | | | | | | |
| Sample ID: LCS | | Laboratory Control Sample | | | | | Run: MANTECH_110325A | | | 03/25/11 15:35 |
| Alkalinity, Total as CaCO ₃ | | 213 | mg/L | 5.0 | 105 | 90 | 110 | | | |
| Sample ID: C11030765-011AMS | | Sample Matrix Spike | | | | | Run: MANTECH_110325A | | | 03/25/11 20:08 |
| Alkalinity, Total as CaCO ₃ | | 136 | mg/L | 5.0 | 107 | 80 | 120 | | | |
| Sample ID: C11030766-005ADUP | 3 | Sample Duplicate | | | | | Run: MANTECH_110325A | | | 03/25/11 21:07 |
| Alkalinity, Total as CaCO ₃ | | 162 | mg/L | 5.0 | | | | 1.3 | 10 | |
| Carbonate as CO ₃ | | ND | mg/L | 5.0 | | | | | 10 | |
| Bicarbonate as HCO ₃ | | 197 | mg/L | 5.0 | | | | 1.3 | 10 | |

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QA/QC Summary Report

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Report Date: 05/19/11

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Work Order: C11030766

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|---|----------|-----|------|-----------|------------|-------------------------------------|----------|----------------|
| Method: A2510 B | | | | | | | | Analytical Run: ORION555A-2_110325B | | |
| Sample ID: ICV2_110325_2 | | Initial Calibration Verification Standard | | | | | | | | 03/25/11 14:04 |
| Conductivity @ 25 C | | 1380 | umhos/cm | 1.0 | 98 | 90 | 110 | | | |
| Method: A2510 B | | | | | | | | Batch: 110325_2_PH-W_555A-2 | | |
| Sample ID: MBLK1_110325_2 | | Method Blank | | | | | | | | 03/25/11 14:00 |
| Conductivity @ 25 C | | 0.6 | umhos/cm | 0.2 | | | | | | |
| Sample ID: C11030766-002ADUP | | Sample Duplicate | | | | | | | | 03/25/11 14:55 |
| Conductivity @ 25 C | | 724 | umhos/cm | 1.0 | | | | 0.0 | 10 | |

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QA/QC Summary Report

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Project: Marsland Baseline Samples

Work Order: C11030766

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|---------------------------|-------|----|------|--------------------|------------|----------------------------|----------|------|
| Method: A2540 C | | | | | | | | Batch: 110328_1_SLDS-TDS-W | | |
| Sample ID: MBLK1_110328 | | Method Blank | | | | Run: BAL-1_110328B | | 03/28/11 14:22 | | |
| Solids, Total Dissolved TDS @ 180 C | | ND | mg/L | 4 | | | | | | |
| Sample ID: LCS1_110328 | | Laboratory Control Sample | | | | Run: BAL-1_110328B | | 03/28/11 14:22 | | |
| Solids, Total Dissolved TDS @ 180 C | | 996 | mg/L | 10 | 100 | 90 | 110 | | | |
| Sample ID: C11030766-005BDUP | | Sample Duplicate | | | | Run: BAL-1_110328B | | 03/28/11 14:24 | | |
| Solids, Total Dissolved TDS @ 180 C | | 241 | mg/L | 10 | | | | 0.9 | 10 | |
| Sample ID: C11030800-004AMS | | Sample Matrix Spike | | | | Run: BAL-1_110328B | | 03/28/11 14:27 | | |
| Solids, Total Dissolved TDS @ 180 C | | 4640 | mg/L | 10 | 103 | 90 | 110 | | | |

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Project: Marsland Baseline Samples

Work Order: C11030766

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|-------|------|-----------|----------------------|-----|----------|----------------|
| Method: A4500-F C | | | | | | | | | | Batch: R144144 |
| Sample ID: MBLK | | Method Blank | | | | | Run: MANTECH_110328A | | | 03/28/11 09:37 |
| Fluoride | | 0.02 | mg/L | 0.008 | | | | | | |
| Sample ID: LCS | | Laboratory Control Sample | | | | | Run: MANTECH_110328A | | | 03/28/11 09:43 |
| Fluoride | | 1.00 | mg/L | 0.10 | 98 | 90 | 110 | | | |
| Sample ID: C11030766-005AMS | | Sample Matrix Spike | | | | | Run: MANTECH_110328A | | | 03/28/11 13:46 |
| Fluoride | | 1.43 | mg/L | 0.10 | 98 | 80 | 120 | | | |
| Sample ID: C11030766-005AMSD | | Sample Matrix Spike Duplicate | | | | | Run: MANTECH_110328A | | | 03/28/11 13:49 |
| Fluoride | | 1.43 | mg/L | 0.10 | 98 | 80 | 120 | 0.0 | 10 | |

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QA/QC Summary Report

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Report Date: 05/19/11

Project: Marsland Baseline Samples

Work Order: C11030766

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual | |
|------------------------------|-------|---|-------|-------|------|--------------------------|------------|-------------------------------------|----------------|----------------|--|
| Method: A4500-H B | | | | | | | | Analytical Run: ORION555A-2_110325B | | | |
| Sample ID: ICV1_110325_2 | | Initial Calibration Verification Standard | | | | | | | | 03/25/11 14:02 | |
| pH | | 6.93 | s.u. | 0.010 | 101 | 98 | 102 | | | | |
| Method: A4500-H B | | | | | | | | Batch: 110325_2_PH-W_555A-2 | | | |
| Sample ID: C11030766-002ADUP | | Sample Duplicate | | | | Run: ORION555A-2_110325B | | | 03/25/11 14:55 | | |
| pH | | 9.88 | s.u. | 0.010 | | | | 0.0 | 3 | | |

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Report Date: 05/19/11

Project: Marsland Baseline Samples

Work Order: C11030766

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------------------------------|--------|-------|-------|------|-----------|------------|-----|----------|---------------------------------------|
| Method: A4500-NH3 G | | | | | | | | | | Batch: R144164 |
| Sample ID: MBLK-4 | Method Blank | | | | | | | | | |
| Nitrogen, Ammonia as N | | ND | mg/L | 0.02 | | | | | | Run: TECHNICON_110328A 03/28/11 12:11 |
| Sample ID: LCS-5 | Laboratory Control Sample | | | | | | | | | |
| Nitrogen, Ammonia as N | | 1.97 | mg/L | 0.050 | 99 | 90 | 110 | | | Run: TECHNICON_110328A 03/28/11 12:13 |
| Sample ID: C11030766-005GMS | Sample Matrix Spike | | | | | | | | | |
| Nitrogen, Ammonia as N | | 1.76 | mg/L | 0.050 | 90 | 80 | 120 | | | Run: TECHNICON_110328A 03/28/11 15:35 |
| Sample ID: C11030766-005GMSD | Sample Matrix Spike Duplicate | | | | | | | | | |
| Nitrogen, Ammonia as N | | 1.82 | mg/L | 0.050 | 93 | 80 | 120 | 3.4 | 10 | Run: TECHNICON_110328A 03/28/11 15:37 |

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QA/QC Summary Report

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Project: Marsland Baseline Samples

Report Date: 05/19/11
Work Order: C11030766

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|-------|------|-----------|---------------------|-----|----------|----------------|
| Method: E200.7 | | | | | | | | | | Batch: R144441 |
| Sample ID: MB-110404A | 6 | Method Blank | | | | | Run: ICP2-C_110404A | | | 04/04/11 11:29 |
| Calcium | | ND | mg/L | 1.0 | | | | | | |
| Iron | | ND | mg/L | 0.030 | | | | | | |
| Magnesium | | ND | mg/L | 1.0 | | | | | | |
| Potassium | | ND | mg/L | 1.0 | | | | | | |
| Sodium | | 0.316 | mg/L | 1.0 | | | | | | |
| Zinc | | ND | mg/L | 0.010 | | | | | | |
| Sample ID: LFB-110404A | 6 | Laboratory Fortified Blank | | | | | Run: ICP2-C_110404A | | | 04/04/11 11:33 |
| Calcium | | 46.7 | mg/L | 0.50 | 93 | 85 | 115 | | | |
| Iron | | 0.936 | mg/L | 0.030 | 94 | 85 | 115 | | | |
| Magnesium | | 47.4 | mg/L | 0.50 | 95 | 85 | 115 | | | |
| Potassium | | 44.9 | mg/L | 0.80 | 90 | 85 | 115 | | | |
| Sodium | | 43.8 | mg/L | 0.50 | 87 | 85 | 115 | | | |
| Zinc | | 0.917 | mg/L | 0.010 | 92 | 85 | 115 | | | |
| Sample ID: C11030756-001BMS2 | 6 | Sample Matrix Spike | | | | | Run: ICP2-C_110404A | | | 04/05/11 01:38 |
| Calcium | | 129 | mg/L | 1.0 | 96 | 70 | 130 | | | |
| Iron | | 1.93 | mg/L | 0.030 | 94 | 70 | 130 | | | |
| Magnesium | | 125 | mg/L | 1.0 | 92 | 70 | 130 | | | |
| Potassium | | 120 | mg/L | 1.0 | 74 | 70 | 130 | | | |
| Sodium | | 388 | mg/L | 1.0 | 90 | 70 | 130 | | | |
| Zinc | | 1.93 | mg/L | 0.010 | 94 | 70 | 130 | | | |
| Sample ID: C11030756-001BMSD | 6 | Sample Matrix Spike Duplicate | | | | | Run: ICP2-C_110404A | | | 04/05/11 01:42 |
| Calcium | | 124 | mg/L | 1.0 | 92 | 70 | 130 | 3.3 | 20 | |
| Iron | | 1.86 | mg/L | 0.030 | 91 | 70 | 130 | 3.7 | 20 | |
| Magnesium | | 123 | mg/L | 1.0 | 90 | 70 | 130 | 1.6 | 20 | |
| Potassium | | 122 | mg/L | 1.0 | 76 | 70 | 130 | 1.5 | 20 | |
| Sodium | | 394 | mg/L | 1.0 | 96 | 70 | 130 | 1.4 | 20 | |
| Zinc | | 1.86 | mg/L | 0.010 | 90 | 70 | 130 | 3.5 | 20 | |
| Method: E200.7 | | | | | | | | | | Batch: R145772 |
| Sample ID: MB-110511A | | Method Blank | | | | | Run: ICP2-C_110511A | | | 05/11/11 12:29 |
| Silicon | | 0.02 | mg/L | 0.007 | | | | | | |
| Sample ID: LFB-110511A | | Laboratory Fortified Blank | | | | | Run: ICP2-C_110511A | | | 05/11/11 12:33 |
| Silicon | | 0.409 | mg/L | 0.10 | 87 | 85 | 115 | | | |
| Sample ID: C11030766-002CMS2 | | Sample Matrix Spike | | | | | Run: ICP2-C_110511A | | | 05/11/11 13:38 |
| Silicon | | 49.9 | mg/L | 0.10 | | 70 | 130 | | | A |
| Sample ID: C11030766-002CMSD | | Sample Matrix Spike Duplicate | | | | | Run: ICP2-C_110511A | | | 05/11/11 13:42 |
| Silicon | | 48.8 | mg/L | 0.10 | | 70 | 130 | 2.3 | 20 | A |

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Project: Marsland Baseline Samples

Work Order: C11030766

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|---------|------|-----------|-----------------------|-----|----------|----------------|
| Method: E200.8 | | | | | | | | | | Batch: 29415 |
| Sample ID: MB-29415 | | Method Blank | | | | | Run: ICPMS2-C_110405A | | | 04/05/11 17:32 |
| Uranium | | ND | mg/L | 6E-05 | | | | | | |
| Sample ID: LCS2-29415 | | Laboratory Control Sample | | | | | Run: ICPMS2-C_110405A | | | 04/05/11 17:36 |
| Uranium | | 0.100 | mg/L | 0.00030 | 100 | 85 | 115 | | | |
| Sample ID: C11030834-003HMS | | Sample Matrix Spike | | | | | Run: ICPMS2-C_110405A | | | 04/05/11 18:34 |
| Uranium | | 0.00478 | mg/L | 0.00030 | 106 | 70 | 130 | | | |
| Sample ID: C11030834-003HMSD | | Sample Matrix Spike Duplicate | | | | | Run: ICPMS2-C_110405A | | | 04/05/11 18:38 |
| Uranium | | 0.00475 | mg/L | 0.00030 | 105 | 70 | 130 | 0.7 | 20 | |

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|------------------------------|-------|----------------------------|-------|---------|-----------------------|-----------|------------|-----------------|----------|------|
| Method: E200.8 | | | | | | | | Batch: R144243A | | |
| Sample ID: LRB | 16 | Method Blank | | | Run: ICPMS4-C_110330A | | | 03/30/11 21:28 | | |
| Aluminum | | 0.007 | mg/L | 8E-05 | | | | | | |
| Arsenic | | ND | mg/L | 4E-05 | | | | | | |
| Barium | | 5E-05 | mg/L | 3E-05 | | | | | | |
| Boron | | 4E-05 | mg/L | | | | | | | |
| Cadmium | | ND | mg/L | 7E-05 | | | | | | |
| Chromium | | ND | mg/L | 5E-05 | | | | | | |
| Copper | | ND | mg/L | 6E-05 | | | | | | |
| Lead | | ND | mg/L | 2E-05 | | | | | | |
| Manganese | | 7E-05 | mg/L | 2E-05 | | | | | | |
| Mercury | | ND | mg/L | 2E-05 | | | | | | |
| Molybdenum | | 0.0001 | mg/L | 8E-05 | | | | | | |
| Nickel | | 0.0001 | mg/L | 5E-05 | | | | | | |
| Selenium | | 0.0004 | mg/L | 5E-05 | | | | | | |
| Silicon | | 0.004 | mg/L | 0.0005 | | | | | | |
| Uranium | | ND | mg/L | 8E-06 | | | | | | |
| Vanadium | | ND | mg/L | 1E-05 | | | | | | |
| Sample ID: LFB | 16 | Laboratory Fortified Blank | | | Run: ICPMS4-C_110330A | | | 03/30/11 21:35 | | |
| Aluminum | | 0.0539 | mg/L | 0.0010 | 95 | 85 | 115 | | | |
| Arsenic | | 0.0541 | mg/L | 0.0010 | 108 | 85 | 115 | | | |
| Barium | | 0.0527 | mg/L | 0.0010 | 105 | 85 | 115 | | | |
| Boron | | 0.0513 | mg/L | 0.0010 | 103 | 85 | 115 | | | |
| Cadmium | | 0.0529 | mg/L | 0.0010 | 106 | 85 | 115 | | | |
| Chromium | | 0.0540 | mg/L | 0.0010 | 108 | 85 | 115 | | | |
| Copper | | 0.0548 | mg/L | 0.0010 | 110 | 85 | 115 | | | |
| Lead | | 0.0532 | mg/L | 0.0010 | 106 | 85 | 115 | | | |
| Manganese | | 0.0539 | mg/L | 0.0010 | 108 | 85 | 115 | | | |
| Mercury | | 0.00518 | mg/L | 0.0010 | 104 | 85 | 115 | | | |
| Molybdenum | | 0.0523 | mg/L | 0.0010 | 104 | 85 | 115 | | | |
| Nickel | | 0.0554 | mg/L | 0.0010 | 110 | 85 | 115 | | | |
| Selenium | | 0.0522 | mg/L | 0.0010 | 104 | 85 | 115 | | | |
| Silicon | | 0.575 | mg/L | 0.0050 | 109 | 85 | 115 | | | |
| Uranium | | 0.0524 | mg/L | 0.00030 | 105 | 85 | 115 | | | |
| Vanadium | | 0.0540 | mg/L | 0.0010 | 108 | 85 | 115 | | | |
| Sample ID: C11030800-001BMS4 | 16 | Sample Matrix Spike | | | Run: ICPMS4-C_110330A | | | 03/31/11 08:56 | | |
| Aluminum | | 0.266 | mg/L | 0.10 | 102 | 70 | 130 | | | |
| Arsenic | | 0.265 | mg/L | 0.0010 | 105 | 70 | 130 | | | |
| Barium | | 0.281 | mg/L | 0.10 | 107 | 70 | 130 | | | |
| Boron | | 1.64 | mg/L | 0.10 | | 70 | 130 | | | A |
| Cadmium | | 0.256 | mg/L | 0.010 | 102 | 70 | 130 | | | |
| Chromium | | 0.255 | mg/L | 0.050 | 102 | 70 | 130 | | | |
| Copper | | 0.272 | mg/L | 0.010 | 106 | 70 | 130 | | | |
| Lead | | 0.270 | mg/L | 0.050 | 108 | 70 | 130 | | | |
| Manganese | | 0.271 | mg/L | 0.010 | 104 | 70 | 130 | | | |

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QA/QC Summary Report

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Report Date: 05/19/11

Project: Marsland Baseline Samples

Work Order: C11030766

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|---|-------|--------|-------|-----------------------|------|-----------|------------|-----------------|----------|------|
| Method: E200.8 | | | | | | | | Batch: R144243A | | |
| Sample ID: C11030800-001BMS4 16 Sample Matrix Spike | | | | Run: ICPMS4-C_110330A | | | | 03/31/11 08:56 | | |
| Mercury | | 0.0272 | mg/L | 0.0010 | 108 | 70 | 130 | | | |
| Molybdenum | | 0.307 | mg/L | 0.10 | 108 | 70 | 130 | | | |
| Nickel | | 0.268 | mg/L | 0.050 | 100 | 70 | 130 | | | |
| Selenium | | 0.377 | mg/L | 0.0010 | 104 | 70 | 130 | | | |
| Silicon | | 13.4 | mg/L | 0.10 | | 70 | 130 | | | A |
| Uranium | | 1.19 | mg/L | 0.00030 | 102 | 70 | 130 | | | |
| Vanadium | | 0.258 | mg/L | 0.10 | 103 | 70 | 130 | | | |
| Sample ID: C11030800-001BMSD 16 Sample Matrix Spike Duplicate | | | | Run: ICPMS4-C_110330A | | | | 03/31/11 09:03 | | |
| Aluminum | | 0.263 | mg/L | 0.10 | 101 | 70 | 130 | 1.1 | 20 | |
| Arsenic | | 0.266 | mg/L | 0.0010 | 106 | 70 | 130 | 0.3 | 20 | |
| Barium | | 0.288 | mg/L | 0.10 | 110 | 70 | 130 | 2.6 | 20 | |
| Boron | | 1.65 | mg/L | 0.10 | | 70 | 130 | 0.8 | 20 | A |
| Cadmium | | 0.257 | mg/L | 0.010 | 103 | 70 | 130 | 0.6 | 20 | |
| Chromium | | 0.264 | mg/L | 0.050 | 106 | 70 | 130 | 3.7 | 20 | |
| Copper | | 0.264 | mg/L | 0.010 | 103 | 70 | 130 | 2.9 | 20 | |
| Lead | | 0.269 | mg/L | 0.050 | 108 | 70 | 130 | 0.3 | 20 | |
| Manganese | | 0.271 | mg/L | 0.010 | 103 | 70 | 130 | 0.0 | 20 | |
| Mercury | | 0.0279 | mg/L | 0.0010 | 111 | 70 | 130 | 2.7 | 20 | |
| Molybdenum | | 0.317 | mg/L | 0.10 | 112 | 70 | 130 | 3.2 | 20 | |
| Nickel | | 0.274 | mg/L | 0.050 | 102 | 70 | 130 | 2.1 | 20 | |
| Selenium | | 0.372 | mg/L | 0.0010 | 102 | 70 | 130 | 1.1 | 20 | |
| Silicon | | 13.4 | mg/L | 0.10 | | 70 | 130 | 0.4 | 20 | A |
| Uranium | | 1.20 | mg/L | 0.00030 | 103 | 70 | 130 | 0.3 | 20 | |
| Vanadium | | 0.268 | mg/L | 0.10 | 107 | 70 | 130 | 3.6 | 20 | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/19/11

Project: Marsland Baseline Samples

Work Order: C11030766

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|------------------------------|-------|---|-------|------|------|-----------|------------|-------------------------------|----------|----------------|
| Method: E300.0 | | | | | | | | Analytical Run: IC2-C_110328A | | |
| Sample ID: ICV | 2 | Initial Calibration Verification Standard | | | | | | | | 03/28/11 12:04 |
| Chloride | | 10.1 | mg/L | 1.0 | 101 | 90 | 110 | | | |
| Sulfate | | 40.7 | mg/L | 1.0 | 102 | 90 | 110 | | | |
| Method: E300.0 | | | | | | | | Batch: R144189 | | |
| Sample ID: MBLK | 2 | Method Blank | | | | | | | | 03/28/11 12:19 |
| Chloride | | ND | mg/L | 0.06 | | | | | | |
| Sulfate | | 0.3 | mg/L | 0.2 | | | | | | |
| Sample ID: LFB | 2 | Laboratory Fortified Blank | | | | | | | | 03/28/11 12:50 |
| Chloride | | 12.5 | mg/L | 1.0 | 100 | 90 | 110 | | | |
| Sulfate | | 51.5 | mg/L | 1.0 | 102 | 90 | 110 | | | |
| Sample ID: LFBD | 2 | Laboratory Fortified Blank | | | | | | | | 03/28/11 13:06 |
| Chloride | | 12.5 | mg/L | 1.0 | 100 | 90 | 110 | | | |
| Sulfate | | 51.2 | mg/L | 1.0 | 102 | 90 | 110 | | | |
| Sample ID: LCS | 2 | Laboratory Control Sample | | | | | | | | 03/28/11 20:52 |
| Chloride | | 9.87 | mg/L | 1.0 | 99 | 90 | 110 | | | |
| Sulfate | | 40.3 | mg/L | 1.0 | 100 | 90 | 110 | | | |
| Sample ID: C11030765-010AMS | 2 | Sample Matrix Spike | | | | | | | | 03/29/11 05:21 |
| Chloride | | 24.5 | mg/L | 1.0 | 101 | 80 | 120 | | | |
| Sulfate | | 135 | mg/L | 1.6 | 101 | 80 | 120 | | | |
| Sample ID: C11030765-010AMSD | 2 | Sample Matrix Spike Duplicate | | | | | | | | 03/29/11 05:36 |
| Chloride | | 24.8 | mg/L | 1.0 | 103 | 80 | 120 | 1.3 | 10 | |
| Sulfate | | 136 | mg/L | 1.6 | 102 | 80 | 120 | 0.8 | 10 | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



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Gillette, WY 866-686-7175 • Rapid City, SD 888-672-1225 • College Station, TX 888-690-2218

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/19/11

Project: Marsland Baseline Samples

Work Order: C11030766

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|------|------|-----------|------------------------|-----|----------|----------------|
| Method: E353.2 | | | | | | | | | | Batch: R144190 |
| Sample ID: LCS-6 | | Laboratory Control Sample | | | | | Run: TECHNICON_110329A | | | 03/29/11 12:53 |
| Nitrogen, Nitrate+Nitrite as N | | 2.68 | mg/L | 0.10 | 104 | 90 | 110 | | | |
| Sample ID: MBLK-5 | | Method Blank | | | | | Run: TECHNICON_110329A | | | 03/29/11 13:05 |
| Nitrogen, Nitrate+Nitrite as N | | ND | mg/L | 0.06 | | | | | | |
| Sample ID: C11030766-004GMS | | Sample Matrix Spike | | | | | Run: TECHNICON_110329A | | | 03/29/11 14:28 |
| Nitrogen, Nitrate+Nitrite as N | | 3.48 | mg/L | 0.10 | 106 | 90 | 110 | | | |
| Sample ID: C11030766-004GMSD | | Sample Matrix Spike Duplicate | | | | | Run: TECHNICON_110329A | | | 03/29/11 14:30 |
| Nitrogen, Nitrate+Nitrite as N | | 3.52 | mg/L | 0.10 | 108 | 90 | 110 | 1.1 | 10 | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/19/11

Project: Marsland Baseline Samples

Work Order: C11030766

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|------------------------------|-------|-------------------------------|-------|----|------|-------------------------|------------|-------------------|----------------|------|
| Method: E903.0 | | | | | | | | Batch: RA226-5322 | | |
| Sample ID: C11040542-009CMS | | Sample Matrix Spike | | | | Run: G542M_110427B | | | 05/03/11 09:31 | |
| Radium 226 | | 13 | pCi/L | | 104 | 70 | 130 | | | |
| Sample ID: C11040542-009CMSD | | Sample Matrix Spike Duplicate | | | | Run: G542M_110427B | | | 05/03/11 09:31 | |
| Radium 226 | | 14 | pCi/L | | 107 | 70 | 130 | 3.1 | 24.9 | |
| Sample ID: MB-RA226-5322 | 3 | Method Blank | | | | Run: G542M_110427B | | | 05/03/11 11:14 | |
| Radium 226 | | -0.1 | pCi/L | | | | | | | U |
| Radium 226 precision (±) | | 0.10 | pCi/L | | | | | | | |
| Radium 226 MDC | | 0.2 | pCi/L | | | | | | | |
| Sample ID: LCS-RA226-5322 | | Laboratory Control Sample | | | | Run: G542M_110427B | | | 05/03/11 11:14 | |
| Radium 226 | | 6.2 | pCi/L | | 102 | 85 | 115 | | | |
| Method: E903.0 | | | | | | | | Batch: RA226-5263 | | |
| Sample ID: C11030766-003DMS | | Sample Matrix Spike | | | | Run: TENNELEC-3_110328A | | | 04/04/11 21:16 | |
| Radium 226 | | 13 | pCi/L | | 100 | 70 | 130 | | | |
| Sample ID: C11030766-003DMSD | | Sample Matrix Spike Duplicate | | | | Run: TENNELEC-3_110328A | | | 04/04/11 21:16 | |
| Radium 226 | | 13 | pCi/L | | 99 | 70 | 130 | 0.7 | 24.1 | |
| Sample ID: MB-RA226-5263 | 3 | Method Blank | | | | Run: TENNELEC-3_110328A | | | 04/04/11 23:03 | |
| Radium 226 | | 0.1 | pCi/L | | | | | | | U |
| Radium 226 precision (±) | | 0.09 | pCi/L | | | | | | | |
| Radium 226 MDC | | 0.1 | pCi/L | | | | | | | |
| Sample ID: LCS-RA226-5263 | | Laboratory Control Sample | | | | Run: TENNELEC-3_110328A | | | 04/04/11 23:02 | |
| Radium 226 | | 5.9 | pCi/L | | 92 | 85 | 115 | | | |
| Method: E903.0 | | | | | | | | Batch: 29415 | | |
| Sample ID: C11030834-003HMS | | Sample Matrix Spike | | | | Run: TENNELEC-3_110404A | | | 04/11/11 14:34 | |
| Radium 226 | | 13 | pCi/L | | 117 | 70 | 130 | | | |
| Sample ID: C11030834-003HMSD | | Sample Matrix Spike Duplicate | | | | Run: TENNELEC-3_110404A | | | 04/11/11 14:34 | |
| Radium 226 | | 12 | pCi/L | | 114 | 70 | 130 | 4.9 | 23 | |
| Sample ID: LCS-29415 | | Laboratory Control Sample | | | | Run: TENNELEC-3_110404A | | | 04/11/11 14:34 | |
| Radium 226 | | 60 | pCi/L | | 100 | 85 | 115 | | | |
| Sample ID: MB-29415 | 3 | Method Blank | | | | Run: TENNELEC-3_110404A | | | 04/11/11 14:34 | |
| Radium 226 | | 0.9 | pCi/L | | | | | | | U |
| Radium 226 precision (±) | | 0.8 | pCi/L | | | | | | | |
| Radium 226 MDC | | 1 | pCi/L | | | | | | | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

U - Not detected at minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/19/11

Project: Marsland Baseline Samples

Work Order: C11030766

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|---|-------|-------------------------------|-------|----|------|------------------------|------------|-----------------------|----------------|------|
| Method: E908.0 | | | | | | | | Batch: RA-TH-ISO-1355 | | |
| Sample ID: LCS-RA-TH-ISO-1355 | | Laboratory Control Sample | | | | Run: EGG-ORTEC_110329B | | | 03/31/11 16:17 | |
| Thorium 230 | | 5.4 | pCi/L | | 92 | 70 | 130 | | | |
| Sample ID: C11030468-001DMS | | Sample Matrix Spike | | | | Run: EGG-ORTEC_110329B | | | 03/31/11 16:17 | |
| Thorium 230 | | 13 | pCi/L | | 96 | 70 | 130 | | | |
| Sample ID: C11030468-001DMSD | | Sample Matrix Spike Duplicate | | | | Run: EGG-ORTEC_110329B | | | 03/31/11 16:17 | |
| Thorium 230 | | 13 | pCi/L | | 100 | 70 | 130 | 3.3 | 35.6 | |
| Sample ID: MB-RA-TH-ISO-1355 | 3 | Method Blank | | | | Run: EGG-ORTEC_110329B | | | 04/01/11 08:43 | |
| Thorium 230 | | 0.04 | pCi/L | | | | | | | U |
| Thorium 230 precision (±) | | 0.09 | pCi/L | | | | | | | |
| Thorium 230 MDC | | 0.2 | pCi/L | | | | | | | |
| Method: E908.0 | | | | | | | | Batch: 29415 | | |
| Sample ID: C11030834-003HMS | | Sample Matrix Spike | | | | Run: EGG-ORTEC_110401A | | | 04/05/11 09:08 | |
| Thorium 230 | | 8.8 | pCi/L | | 103 | 70 | 130 | | | |
| Sample ID: C11030834-003HMSD | | Sample Matrix Spike Duplicate | | | | Run: EGG-ORTEC_110401A | | | 04/05/11 09:08 | |
| Thorium 230 | | 11 | pCi/L | | 132 | 70 | 130 | 26 | 48.6 | S |
| - Spike response is outside of the acceptance range for this analysis. Since the LCS, MS, and all tracer recoveries are acceptable the batch is approved. | | | | | | | | | | |
| Sample ID: LCS-29415 | | Laboratory Control Sample | | | | Run: EGG-ORTEC_110401A | | | 04/05/11 09:08 | |
| Thorium 230 | | 9.9 | pCi/L | | 102 | 70 | 130 | | | |
| Sample ID: MB-29415 | 3 | Method Blank | | | | Run: EGG-ORTEC_110401A | | | 04/05/11 09:08 | |
| Thorium 230 | | -0.1 | pCi/L | | | | | | | U |
| Thorium 230 precision (±) | | 0.2 | pCi/L | | | | | | | |
| Thorium 230 MDC | | 0.3 | pCi/L | | | | | | | |

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

U - Not detected at minimum detectable concentration

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/19/11

Project: Marsland Baseline Samples

Work Order: C11030766

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|-----|------|-----------------|------------|-----|----------|----------------------|
| Method: E909.0 | | | | | | | | | | Batch: T_PB-210-0095 |
| Sample ID: T11030080-001EMSD | | Sample Matrix Spike Duplicate | | | | Run: SUB-T40083 | | | | 04/23/11 09:46 |
| Lead 210 | 48 | | pCi/L | 89 | | 70 | 130 | 2.7 | | 16.2 |
| Sample ID: T11030080-001EMS | | Sample Matrix Spike | | | | Run: SUB-T40083 | | | | 04/23/11 07:35 |
| Lead 210 | 49 | | pCi/L | 91 | | 70 | 130 | | | |
| Sample ID: LCS-PB-210-0095 | | Laboratory Control Sample | | | | Run: SUB-T40083 | | | | 04/23/11 03:12 |
| Lead 210 | 78 | | pCi/L | 109 | | 70 | 130 | | | |
| Sample ID: MB-PB-210-0095 | 3 | Method Blank | | | | Run: SUB-T40083 | | | | 04/23/11 01:00 |
| Lead 210 | | -0.4 | pCi/L | | | | | | | U |
| Lead 210 precision (\pm) | | 1 | pCi/L | | | | | | | |
| Lead 210 MDC | | 2 | pCi/L | | | | | | | |
| Method: E909.0 | | | | | | | | | | Batch: 13668 |
| Sample ID: T11030159-001HMSD | | Sample Matrix Spike Duplicate | | | | Run: SUB-T40226 | | | | 05/03/11 10:13 |
| Lead 210 | 83 | | pCi/L | 84 | | 70 | 130 | 1.1 | | 15.9 |
| Sample ID: MB-13668 | 3 | Method Blank | | | | Run: SUB-T40226 | | | | 05/03/11 01:28 |
| Lead 210 | | -0.6 | pCi/L | | | | | | | U |
| Lead 210 precision (\pm) | | 5 | pCi/L | | | | | | | |
| Lead 210 MDC | | 9 | pCi/L | | | | | | | |
| Sample ID: LCS-13668 | | Laboratory Control Sample | | | | Run: SUB-T40226 | | | | 05/03/11 03:39 |
| Lead 210 | 280 | | pCi/L | 78 | | 70 | 130 | | | |
| Sample ID: T11030159-001HMS | | Sample Matrix Spike | | | | Run: SUB-T40226 | | | | 05/03/11 08:02 |
| Lead 210 | 82 | | pCi/L | 84 | | 70 | 130 | | | |

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples

Report Date: 05/19/11
Work Order: C11030766

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|---|-------|-------------------------------|-------|----|------|-----------|------------------------|-----|----------|-------------------|
| Method: E912.0 | | | | | | | | | | Batch: PO210-0357 |
| Sample ID: C11030766-005FMS | | Sample Matrix Spike | | | | | Run: EGG-ORTEC_110328C | | | 03/30/11 11:18 |
| Polonium 210 | | 9.4 | pCi/L | | 74 | 70 | 130 | | | |
| Sample ID: C11030766-005FMSD | | Sample Matrix Spike Duplicate | | | | | Run: EGG-ORTEC_110328C | | | 03/30/11 11:18 |
| Polonium 210 | | 7.6 | pCi/L | | 60 | 70 | 130 | 21 | 79.6 | S |
| - Spike response is outside of the acceptance range for this analysis. Since the LCS and the MS are acceptable the batch is approved. | | | | | | | | | | |
| Sample ID: MB-PO210-0357 | 3 | Method Blank | | | | | Run: EGG-ORTEC_110328C | | | 03/30/11 11:18 |
| Polonium 210 | | -0.01 | pCi/L | | | | | | | U |
| Polonium 210 precision (\pm) | | 0.2 | pCi/L | | | | | | | |
| Polonium 210 MDC | | 0.5 | pCi/L | | | | | | | |
| Sample ID: LCS-PO210-0357 | | Laboratory Control Sample | | | | | Run: EGG-ORTEC_110328C | | | 03/30/11 11:18 |
| Polonium 210 | | 6.2 | pCi/L | | 97 | 70 | 130 | | | |
| Method: E912.0 | | | | | | | | | | Batch: R144922 |
| Sample ID: LCS-29258 | | Laboratory Control Sample | | | | | Run: EGG-ORTEC_110412A | | | 04/14/11 08:57 |
| Polonium 210 | | 29 | pCi/L | | 96 | 70 | 130 | | | |
| Sample ID: MB-29258 | 3 | Method Blank | | | | | Run: EGG-ORTEC_110412A | | | 04/14/11 08:57 |
| Polonium 210 | | -0.05 | pCi/L | | | | | | | U |
| Polonium 210 precision (\pm) | | 0.9 | pCi/L | | | | | | | |
| Polonium 210 MDC | | 2 | pCi/L | | | | | | | |
| Sample ID: C11030766-001HMS | | Sample Matrix Spike | | | | | Run: EGG-ORTEC_110412A | | | 04/14/11 08:57 |
| Polonium 210 | | 5.1 | pCi/L | | 89 | 70 | 130 | | | |
| Sample ID: C11030766-001HMSD | | Sample Matrix Spike Duplicate | | | | | Run: EGG-ORTEC_110412A | | | 04/14/11 08:57 |
| Polonium 210 | | 5.1 | pCi/L | | 88 | 70 | 130 | 1.7 | 71.5 | |

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

U - Not detected at minimum detectable concentration

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

Workorder Receipt Checklist



C11030766

Login completed by: Edith McPike

Date Received: 3/25/2011

Reviewed by: BL2000\hackerman

Received by: ha

Reviewed Date: 3/28/2011

 Carrier Next Day Air Saver
 name:

| | | | |
|---|---|-----------------------------|--|
| Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Container/Temp Blank temperature: | 6.8°C | | |
| Water - VOA vials have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | No VOA vials submitted <input checked="" type="checkbox"/> |
| Water - pH acceptable upon receipt? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Applicable <input type="checkbox"/> |

Contact and Corrective Action Comments:

Samples to be filtered and preserved in the laboratory for dissolved radionuclides.



Chain of Custody and Analytical Request Record

Page 1 of 1

PLEASE PRINT- Provide as much information as possible.

| | | | | | | | | | | | | | | |
|--|--|--|---|---|----------------------------|-------------------------|----------------------------|---|---|---|----------------------------|----------------------------------|------------------------|--|
| Company Name: Crow Butte Resources, Inc. | | | Project Name Marsland Baseline Samples | | | Sample Origin State: | | EPA/State Compliance: Yes <input type="checkbox"/> No <input type="checkbox"/> | | | | | | |
| Report Mail Address: P.O. Box 169 Crawford, NE 69339 | | | Contact Name: Larry Teahon | | Phone/Fax: 308-665-2341 | | Email: daxmynus@msn.com | | Sampler: (Please Print) Brooke Bass Rhonda Pelton | | | | | |
| Invoice Address: P.O. Box 169 Crawford, NE 69339 | | | Invoice Contact & Phone: Larry Teahon 308-665-2215 ext 114 | | | Purchase Order: 1125 | | Quote/Bottle Order: | | | | | | |
| Special Report/Formats – ELI must be notified prior to sample submittal for the following: <input type="checkbox"/> DW <input type="checkbox"/> A2LA <input type="checkbox"/> GSA <input type="checkbox"/> EDD/EDT (Electronic Data) <input type="checkbox"/> POTW/WWTP <input type="checkbox"/> Format: _____ <input type="checkbox"/> State: _____ <input type="checkbox"/> LEVEL IV <input type="checkbox"/> Other: _____ <input type="checkbox"/> NELAC | | | Number of Containers Sample Type: A W S V B O Air Water Soils/Solids Vegetation Bioassay Other | ANALYSIS REQUESTED | | | | | | R U S H Contact ELI prior to RUSH sample submittal for charges and scheduling – See Instruction Page Comments: NDEQ parameters for baseline sampling. Report on separate sheets. Analyze as per WDEQ Guideline 8 and NRC Reg. Guide 4.14 requirements. Record U as mg/L and µCi/ml and radiometrics as pCi/L. | Shipped by: W.S. NDA SW | | | |
| | | | | SEE ATTACHED Normal Turnaround (TAT) | | | | | | | Cooler ID(s): Kencus | | | |
| SAMPLE IDENTIFICATION (Name, Location, Interval, etc.) | | | Collection Date | Collection Time | MATRIX | HNO3-F, Metals | RAW-F, Common Ions | RAW-UF, Alkalinity | H2SO4-F, NO2, NO3, NH4 | Raw-UF, Ra226, Po210 dis, sus | Raw-UF, Pb210 dis and sus | Raw-UF, Th230, U-nat dis and sus | Receipt Temp 6.8 °C | On Ice: <input checked="" type="radio"/> Yes <input type="radio"/> No |
| 1 CPW-1 | | | 3/24/11 | | Water | .5 | 1 | 1 | .5 | 1 | 1 | 1 | Please report 4/30/11 | Custody Seal Y <input checked="" type="radio"/> N |
| 2 BOW-1 | | | 3/24/11 | | Water | .5 | 1 | 1 | .5 | 1 | 1 | 1 | Please report 4/30/11 | Intact Y N |
| 3 Well #788 | | | 3/24/11 | | Water | .5 | 1 | 1 | .5 | 1 | 1 | 1 | Please report 4/30/11 | Signature Match Y N |
| 4 Well #705 | | | 3/24/11 | | Water | .5 | 1 | 1 | .5 | 1 | 1 | 1 | Please report 4/30/11 | |
| 5 Well #727 | | | 3/24/11 | | Water | .5 | 1 | 1 | .5 | 1 | 1 | 1 | Please report 4/30/11 | |
| 6 | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | |
| Custody Record MUST be Signed | | | Relinquished by (print): Brooke Bass | | Date/Time: 3/24/11 | | Signature: Brooke Bass | | Received by (print): | | Date/Time: | | Signature: | |
| | | | Relinquished by (print): | | Date/Time: | | Signature: | | Received by (print): | | Date/Time: | | Signature: | |
| | | | Sample Disposal: Return to Client: No | | Lab Disposal: YES | | Received by Laboratory: | | Date/Time: 3-25-11 930 | | Signature: H. McCamen | | | |

LABORATORY USE ONLY

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested.

This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report.

Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.

CROW BUTTE RESOURCES, INC.
CROW BUTTE PROJECT

NO₂⁻

DATE: 3/24/11

ANALYST: SM

STANDARD CURVE DATA

| | | | | | | | |
|------------------------------|----|------|------|------|--|--|--|
| NO ₂ ⁻ | BL | 0.01 | 0.05 | 0.1 | | | |
| Abs | 0 | .037 | .198 | .410 | | | |
| Abs | | | | | | | |

| SAMPLE # | VOLUME | Df | Abs | NO ₂ ⁻ mg/L |
|------------------|--------|----|-------|-----------------------------------|
| 1 705 | 10 ml | 1 | .004 | <0.01 |
| 2 727 | 10 ml | 1 | .001 | <0.01 |
| 3 788 | 10 ml | 1 | -.003 | <0.01 |
| 4 BOW-1 | 10 ml | 1 | .106 | 0.03 |
| 5 CPW 2010-1 | 10 ml | 1 | .000 | <0.01 |
| Dup | | | | |
| 6 705 Dup | 10 ml | 1 | .004 | <0.01 |
| 7 CPW 2010-1 Dup | 10 ml | 1 | .000 | <0.01 |
| 8 | | | | |
| 9 | | | | |
| 10 | | | | |
| Dup | | | | |
| 11 | | | | |
| 12 | | | | |
| 13 | | | | |
| 14 | | | | |
| 15 | | | | |
| Dup | | | | |
| 16 | | | | |
| 17 | | | | |
| 18 | | | | |
| 19 | | | | |
| 20 | | | | |
| Dup | | | | |
| 21 | | | | |
| 22 | | | | |
| 23 | | | | |
| 24 | | | | |
| 25 | | | | |
| Dup | | | | |



ANALYTICAL SUMMARY REPORT

May 11, 2011

Crow Butte Resources
86 Crow Butte Rd
Crawford, NE 69339

Workorder No.: C11030834

Quote ID: C1125 - Crow Butte Uranium

Project Name: Marsland Baseline Samples

Energy Laboratories, Inc. Casper WY received the following 3 samples for Crow Butte Resources on 3/29/2011 for analysis.

| Sample ID | Client Sample ID | Collect Date | Receive Date | Matrix | Test |
|---------------|------------------|---------------|--------------|---------|--|
| C11030834-001 | Well #747 | 03/25/11 0:00 | 03/29/11 | Aqueous | Metals by ICP/ICPMS, Dissolved Alkalinity QA Calculations Conductivity Sample Filtering Fluoride E300.0 Anions Uranium, Suspended Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Digestion, Total Metals Lead 210, Dissolved Lead 210, Suspended Polonium 210, Dissolved Polonium 210, Suspended Radium 226, Dissolved Radium 226, Suspended Thorium, Isotopic Thorium, Suspended Isotopic Solids, Total Dissolved |
| C11030834-002 | E. Drillers Pond | 03/25/11 0:00 | 03/29/11 | Aqueous | Same As Above |
| C11030834-003 | W. Drillers Pond | 03/25/11 0:00 | 03/29/11 | Aqueous | Same As Above |

This report was prepared by Energy Laboratories, Inc., 2393 Salt Creek Hwy., Casper, WY 82601. Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

The results as reported relate only to the item(s) submitted for testing.

If you have any questions regarding these test results, please call.

Report Approved By:



CLIENT: Crow Butte Resources
Project: Marsland Baseline Samples
Sample Delivery Group: C11030834

Report Date: 05/11/11

CASE NARRATIVE

RADIOCHEMISTRY ANALYSIS

Per client request, results less than MDC (or precision if no MDC), are reported as <MDC (or <precision). Actual instrument results are available by request.

BRANCH LABORATORY SUBCONTRACT ANALYSIS

Tests associated with analyst identified as ELI-CS were subcontracted to Energy Laboratories, 415 Graham Rd., College Station, TX, EPA Number TX01520.

ORIGINAL SAMPLE SUBMITTAL(S)

All original sample submittals have been returned with the data package.

SAMPLE TEMPERATURE COMPLIANCE: 4°C (±2°C)

Temperature of samples received may not be considered properly preserved by accepted standards. Samples that are hand delivered immediately after collection shall be considered acceptable if there is evidence that the chilling process has begun.

GROSS ALPHA ANALYSIS

Method 900.0 for gross alpha and gross beta is intended as a drinking water method for low TDS waters. Data provided by this method for non potable waters should be viewed as inconsistent.

SOIL/SOLID SAMPLES

All samples reported on an as received basis unless otherwise indicated.

SUBCONTRACTING ANALYSIS

Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.

BRANCH LABORATORY LOCATIONS

eli-b - Energy Laboratories, Inc. - Billings, MT
eli-g - Energy Laboratories, Inc. - Gillette, WY
eli-h - Energy Laboratories, Inc. - Helena, MT
eli-r - Energy Laboratories, Inc. - Rapid City, SD
eli-t - Energy Laboratories, Inc. - College Station, TX

CERTIFICATIONS:

USEPA: WY00002; FL-DOH NELAC: E87641; California: 02118CA
Oregon: WY200001; Utah: 3072350515; Virginia: 00057; Washington: C1903

ISO 17025 DISCLAIMER:

The results of this Analytical Report relate only to the items submitted for analysis.

ENERGY LABORATORIES, INC. - CASPER, WY certifies that certain method selections contained in this report meet requirements as set forth by the above accrediting authorities. Some results requested by the client may not be covered under these certifications. All analysis data to be submitted for regulatory enforcement should be certified in the sample state of origin. Please verify ELI's certification coverage by visiting www.energylab.com

ELI appreciates the opportunity to provide you with this analytical service. For additional information and services visit our web page www.energylab.com.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11030834-001
Client Sample ID: Well #747

Report Date: 05/11/11
Collection Date: 03/25/11
Date Received: 03/29/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 131 | mg/L | | 1 | | A2320 B | 03/29/11 18:48 / jba |
| Carbonate as CO ₃ | ND | mg/L | | 1 | | A2320 B | 03/29/11 18:48 / jba |
| Bicarbonate as HCO ₃ | 160 | mg/L | | 1 | | A2320 B | 03/29/11 18:48 / jba |
| Calcium | 31 | mg/L | | 1 | | E200.7 | 04/05/11 15:40 / cp |
| Chloride | 3 | mg/L | | 1 | | E300.0 | 03/30/11 22:57 / ljl |
| Fluoride | 1.0 | mg/L | | 0.1 | | A4500-F C | 04/04/11 11:11 / lr |
| Magnesium | 7 | mg/L | | 1 | | E200.7 | 04/05/11 15:40 / cp |
| Nitrogen, Ammonia as N | ND | mg/L | | 0.05 | | A4500-NH ₃ G | 03/31/11 12:37 / dc |
| Nitrogen, Nitrate+Nitrite as N | 1.0 | mg/L | | 0.1 | | E353.2 | 03/29/11 16:50 / dc |
| Potassium | 3 | mg/L | | 1 | | E200.7 | 04/05/11 15:40 / cp |
| Silica | 85.5 | mg/L | | 0.2 | | E200.7 | 04/05/11 15:40 / cp |
| Sodium | 13 | mg/L | | 1 | | E200.7 | 04/05/11 15:40 / cp |
| Sulfate | 5 | mg/L | | 1 | | E300.0 | 03/30/11 22:57 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 255 | umhos/cm | | 1 | | A2510 B | 03/29/11 14:28 / lr |
| pH | 8.07 | s.u. | | 0.01 | | A4500-H B | 03/29/11 14:28 / lr |
| Solids, Total Dissolved TDS @ 180 C | 202 | mg/L | | 10 | | A2540 C | 03/29/11 15:34 / lr |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.8 | 03/31/11 10:33 / sml |
| Arsenic | 0.005 | mg/L | | 0.001 | | E200.8 | 03/31/11 10:33 / sml |
| Barium | ND | mg/L | | 0.1 | | E200.8 | 03/31/11 10:33 / sml |
| Boron | ND | mg/L | | 0.1 | | E200.8 | 03/31/11 10:33 / sml |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 03/31/11 10:33 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 03/31/11 10:33 / sml |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 03/31/11 10:33 / sml |
| Iron | ND | mg/L | | 0.03 | | E200.8 | 03/31/11 10:33 / sml |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 03/31/11 10:33 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 03/31/11 10:33 / sml |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 03/31/11 10:33 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 03/31/11 10:33 / sml |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 03/31/11 10:33 / sml |
| Selenium | ND | mg/L | | 0.001 | | E200.8 | 03/31/11 10:33 / sml |
| Uranium | 0.0101 | mg/L | | 0.0003 | | E200.8 | 03/31/11 10:33 / sml |
| Uranium, Activity | 6.8E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 03/31/11 10:33 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 03/31/11 10:33 / sml |
| Zinc | 0.07 | mg/L | | 0.01 | | E200.7 | 04/05/11 15:40 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 04/05/11 18:22 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 04/05/11 18:22 / sml |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11030834-001
Client Sample ID: Well #747

Report Date: 05/11/11
Collection Date: 03/25/11
Date Received: 03/29/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|------|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 04/26/11 04:30 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 04/26/11 04:30 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 04/26/11 04:30 / eli-cs |
| Polonium 210 | <0.6 | pCi/L | U | 0.6 | | E912.0 | 04/21/11 09:10 / ep |
| Polonium 210 precision (±) | 0.4 | pCi/L | | | | E912.0 | 04/21/11 09:10 / ep |
| Polonium 210 MDC | 0.6 | pCi/L | | | | E912.0 | 04/21/11 09:10 / ep |
| Radium 226 | 0.20 | pCi/L | | 0.1 | | E903.0 | 04/06/11 21:14 / ep |
| Radium 226 precision (±) | 0.09 | pCi/L | | | | E903.0 | 04/06/11 21:14 / ep |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 04/06/11 21:14 / ep |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 04/07/11 16:19 / dmf |
| Thorium 230 precision (±) | 0.09 | pCi/L | | | | E908.0 | 04/07/11 16:19 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 04/07/11 16:19 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 05/03/11 21:10 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 05/03/11 21:10 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 05/03/11 21:10 / eli-cs |
| Polonium 210 | 0.3 | pCi/L | | 0.2 | | E912.0 | 04/14/11 08:57 / ep |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 04/14/11 08:57 / ep |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 04/14/11 08:57 / ep |
| Radium 226 | <0.09 | pCi/L | U | 0.09 | | E903.0 | 04/11/11 14:34 / plj |
| Radium 226 precision (±) | 0.06 | pCi/L | | | | E903.0 | 04/11/11 14:34 / plj |
| Radium 226 MDC | 0.09 | pCi/L | | | | E903.0 | 04/11/11 14:34 / plj |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 04/05/11 09:08 / dmf |
| Thorium 230 precision (±) | 0.09 | pCi/L | | | | E908.0 | 04/05/11 09:08 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 04/05/11 09:08 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | -3.49 | % | | | | Calculation | 04/07/11 12:42 / kbh |
| Anions | 2.94 | meq/L | | | | Calculation | 04/07/11 12:42 / kbh |
| Cations | 2.75 | meq/L | | | | Calculation | 04/07/11 12:42 / kbh |
| Solids, Total Dissolved Calculated | 255 | mg/L | | | | Calculation | 04/07/11 12:42 / kbh |
| TDS Balance (0.80 - 1.20) | 0.790 | | | | | Calculation | 04/07/11 12:42 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11030834-002
Client Sample ID: E. Drillers Pond

Report Date: 05/11/11
Collection Date: 03/25/11
Date Received: 03/29/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 156 | mg/L | | 1 | | A2320 B | 03/29/11 18:56 / jba |
| Carbonate as CO ₃ | ND | mg/L | | 1 | | A2320 B | 03/29/11 18:56 / jba |
| Bicarbonate as HCO ₃ | 191 | mg/L | | 1 | | A2320 B | 03/29/11 18:56 / jba |
| Calcium | 34 | mg/L | | 1 | | E200.7 | 04/05/11 15:52 / cp |
| Chloride | 3 | mg/L | | 1 | | E300.0 | 03/30/11 23:13 / ljl |
| Fluoride | 0.5 | mg/L | | 0.1 | | A4500-F C | 04/04/11 11:25 / lr |
| Magnesium | 9 | mg/L | | 1 | | E200.7 | 04/05/11 15:52 / cp |
| Nitrogen, Ammonia as N | ND | mg/L | | 0.05 | | A4500-NH ₃ G | 03/31/11 12:45 / dc |
| Nitrogen, Nitrate+Nitrite as N | 1.0 | mg/L | | 0.1 | | E353.2 | 03/29/11 16:53 / dc |
| Potassium | 3 | mg/L | | 1 | | E200.7 | 04/05/11 15:52 / cp |
| Silica | 79.9 | mg/L | | 0.2 | | E200.7 | 04/05/11 15:52 / cp |
| Sodium | 19 | mg/L | | 1 | | E200.7 | 04/05/11 15:52 / cp |
| Sulfate | 7 | mg/L | | 1 | | E300.0 | 03/30/11 23:13 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 304 | umhos/cm | | 1 | | A2510 B | 03/29/11 14:30 / lr |
| pH | 7.93 | s.u. | | 0.01 | | A4500-H B | 03/29/11 14:30 / lr |
| Solids, Total Dissolved TDS @ 180 C | 246 | mg/L | | 10 | | A2540 C | 03/29/11 15:34 / lr |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.8 | 03/31/11 10:40 / smf |
| Arsenic | 0.003 | mg/L | | 0.001 | | E200.8 | 03/31/11 10:40 / smf |
| Barium | 0.1 | mg/L | | 0.1 | | E200.8 | 03/31/11 10:40 / smf |
| Boron | ND | mg/L | | 0.1 | | E200.8 | 03/31/11 10:40 / smf |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 03/31/11 10:40 / smf |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 03/31/11 10:40 / smf |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 03/31/11 10:40 / smf |
| Iron | ND | mg/L | | 0.03 | | E200.8 | 03/31/11 10:40 / smf |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 03/31/11 10:40 / smf |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 03/31/11 10:40 / smf |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 03/31/11 10:40 / smf |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 03/31/11 10:40 / smf |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 03/31/11 10:40 / smf |
| Selenium | 0.002 | mg/L | | 0.001 | | E200.8 | 03/31/11 10:40 / smf |
| Uranium | 0.0090 | mg/L | | 0.0003 | | E200.8 | 03/31/11 10:40 / smf |
| Uranium, Activity | 6.1E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 03/31/11 10:40 / smf |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 03/31/11 10:40 / smf |
| Zinc | 0.01 | mg/L | | 0.01 | | E200.7 | 04/05/11 15:52 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 04/05/11 18:26 / smf |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 04/05/11 18:26 / smf |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11030834-002
Client Sample ID: E. Drillers Pond

Report Date: 05/11/11
Collection Date: 03/25/11
Date Received: 03/29/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|------|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 04/26/11 06:41 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 04/26/11 06:41 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 04/26/11 06:41 / eli-cs |
| Polonium 210 | 2.0 | pCi/L | | 0.7 | | E912.0 | 04/21/11 09:10 / ep |
| Polonium 210 precision (±) | 1.1 | pCi/L | | | | E912.0 | 04/21/11 09:10 / ep |
| Polonium 210 MDC | 0.7 | pCi/L | | | | E912.0 | 04/21/11 09:10 / ep |
| Radium 226 | 0.26 | pCi/L | | 0.09 | | E903.0 | 04/06/11 21:14 / ep |
| Radium 226 precision (±) | 0.09 | pCi/L | | | | E903.0 | 04/06/11 21:14 / ep |
| Radium 226 MDC | 0.09 | pCi/L | | | | E903.0 | 04/06/11 21:14 / ep |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 04/07/11 16:19 / dmf |
| Thorium 230 precision (±) | 0.09 | pCi/L | | | | E908.0 | 04/07/11 16:19 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 04/07/11 16:19 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 05/05/11 10:25 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 05/05/11 10:25 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 05/05/11 10:25 / eli-cs |
| Polonium 210 | <0.4 | pCi/L | U | 0.4 | | E912.0 | 04/14/11 08:57 / ep |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 04/14/11 08:57 / ep |
| Polonium 210 MDC | 0.4 | pCi/L | | | | E912.0 | 04/14/11 08:57 / ep |
| Radium 226 | 0.17 | pCi/L | | 0.09 | | E903.0 | 04/11/11 14:34 / plj |
| Radium 226 precision (±) | 0.08 | pCi/L | | | | E903.0 | 04/11/11 14:34 / plj |
| Radium 226 MDC | 0.09 | pCi/L | | | | E903.0 | 04/11/11 14:34 / plj |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 04/05/11 09:08 / dmf |
| Thorium 230 precision (±) | 0.1 | pCi/L | | | | E908.0 | 04/05/11 09:08 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 04/05/11 09:08 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | -1.56 | % | | | | Calculation | 04/07/11 12:42 / kbh |
| Anions | 3.45 | meq/L | | | | Calculation | 04/07/11 12:42 / kbh |
| Cations | 3.35 | meq/L | | | | Calculation | 04/07/11 12:42 / kbh |
| Solids, Total Dissolved Calculated | 275 | mg/L | | | | Calculation | 04/07/11 12:42 / kbh |
| TDS Balance (0.80 - 1.20) | 0.890 | | | | | Calculation | 04/07/11 12:42 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11030834-003
Client Sample ID: W. Drillers Pond

Report Date: 05/11/11
Collection Date: 03/25/11
Date Received: 03/29/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 148 | mg/L | | 1 | | A2320 B | 03/29/11 19:04 / jba |
| Carbonate as CO ₃ | ND | mg/L | | 1 | | A2320 B | 03/29/11 19:04 / jba |
| Bicarbonate as HCO ₃ | 181 | mg/L | | 1 | | A2320 B | 03/29/11 19:04 / jba |
| Calcium | 30 | mg/L | | 1 | | E200.7 | 04/05/11 16:00 / cp |
| Chloride | 2 | mg/L | | 1 | | E300.0 | 03/30/11 23:28 / ljl |
| Fluoride | 0.6 | mg/L | | 0.1 | | A4500-F C | 04/04/11 11:29 / lr |
| Magnesium | 8 | mg/L | | 1 | | E200.7 | 04/05/11 16:00 / cp |
| Nitrogen, Ammonia as N | ND | mg/L | | 0.05 | | A4500-NH ₃ G | 03/31/11 12:47 / dc |
| Nitrogen, Nitrate+Nitrite as N | 1.2 | mg/L | | 0.1 | | E353.2 | 03/29/11 16:55 / dc |
| Potassium | 4 | mg/L | | 1 | | E200.7 | 04/05/11 16:00 / cp |
| Silica | 81.1 | mg/L | | 0.2 | | E200.7 | 04/05/11 16:00 / cp |
| Sodium | 22 | mg/L | | 1 | | E200.7 | 04/05/11 16:00 / cp |
| Sulfate | 9 | mg/L | | 1 | | E300.0 | 03/30/11 23:28 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 290 | umhos/cm | | 1 | | A2510 B | 03/29/11 14:32 / lr |
| pH | 7.95 | s.u. | | 0.01 | | A4500-H B | 03/29/11 14:32 / lr |
| Solids, Total Dissolved TDS @ 180 C | 226 | mg/L | | 10 | | A2540 C | 03/29/11 15:35 / lr |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.8 | 03/31/11 11:14 / sml |
| Arsenic | 0.006 | mg/L | | 0.001 | | E200.8 | 03/31/11 11:14 / sml |
| Barium | 0.1 | mg/L | | 0.1 | | E200.8 | 03/31/11 11:14 / sml |
| Boron | ND | mg/L | | 0.1 | | E200.8 | 03/31/11 11:14 / sml |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 03/31/11 11:14 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 03/31/11 11:14 / sml |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 03/31/11 11:14 / sml |
| Iron | ND | mg/L | | 0.03 | | E200.8 | 03/31/11 11:14 / sml |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 03/31/11 11:14 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 03/31/11 11:14 / sml |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 03/31/11 11:14 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 03/31/11 11:14 / sml |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 03/31/11 11:14 / sml |
| Selenium | 0.002 | mg/L | | 0.001 | | E200.8 | 03/31/11 11:14 / sml |
| Uranium | 0.0064 | mg/L | | 0.0003 | | E200.8 | 03/31/11 11:14 / sml |
| Uranium, Activity | 4.4E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 03/31/11 11:14 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 03/31/11 11:14 / sml |
| Zinc | 0.02 | mg/L | | 0.01 | | E200.7 | 04/05/11 16:00 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 04/05/11 18:30 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 04/05/11 18:30 / sml |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11030834-003
Client Sample ID: W. Drillers Pond

Report Date: 05/11/11
Collection Date: 03/25/11
Date Received: 03/29/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|------|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 04/26/11 02:18 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 04/26/11 02:18 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 04/26/11 02:18 / eli-cs |
| Polonium 210 | <0.6 | pCi/L | U | 0.6 | | E912.0 | 04/21/11 09:10 / ep |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 04/21/11 09:10 / ep |
| Polonium 210 MDC | 0.6 | pCi/L | | | | E912.0 | 04/21/11 09:10 / ep |
| Radium 226 | 0.16 | pCi/L | | 0.10 | | E903.0 | 04/06/11 21:14 / ep |
| Radium 226 precision (±) | 0.09 | pCi/L | | | | E903.0 | 04/06/11 21:14 / ep |
| Radium 226 MDC | 0.10 | pCi/L | | | | E903.0 | 04/06/11 21:14 / ep |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 04/07/11 16:19 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 04/07/11 16:19 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 04/07/11 16:19 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 05/05/11 12:37 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 05/05/11 12:37 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 05/05/11 12:37 / eli-cs |
| Polonium 210 | <0.3 | pCi/L | U | 0.3 | | E912.0 | 04/14/11 08:57 / ep |
| Polonium 210 precision (±) | 0.1 | pCi/L | | | | E912.0 | 04/14/11 08:57 / ep |
| Polonium 210 MDC | 0.3 | pCi/L | | | | E912.0 | 04/14/11 08:57 / ep |
| Radium 226 | <0.09 | pCi/L | U | 0.09 | | E903.0 | 04/11/11 14:34 / plj |
| Radium 226 precision (±) | 0.06 | pCi/L | | | | E903.0 | 04/11/11 14:34 / plj |
| Radium 226 MDC | 0.09 | pCi/L | | | | E903.0 | 04/11/11 14:34 / plj |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 04/05/11 09:08 / dmf |
| Thorium 230 precision (±) | 0.08 | pCi/L | | | | E908.0 | 04/05/11 09:08 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 04/05/11 09:08 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | -2.14 | % | | | | Calculation | 04/07/11 12:43 / kbh |
| Anions | 3.33 | meq/L | | | | Calculation | 04/07/11 12:43 / kbh |
| Cations | 3.19 | meq/L | | | | Calculation | 04/07/11 12:43 / kbh |
| Solids, Total Dissolved Calculated | 272 | mg/L | | | | Calculation | 04/07/11 12:43 / kbh |
| TDS Balance (0.80 - 1.20) | 0.830 | | | | | Calculation | 04/07/11 12:43 / kbh |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/11/11

Project: Marsland Baseline Samples

Work Order: C11030834

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|--|-------|---------------------------|-------|-----|------|-----------|----------------------|-----|----------|----------------|
| Method: A2320 B | | | | | | | | | | Batch: R144195 |
| Sample ID: MBLK | 3 | Method Blank | | | | | Run: MANTECH_110329A | | | 03/29/11 16:43 |
| Alkalinity, Total as CaCO ₃ | | 2 | mg/L | 1 | | | | | | |
| Carbonate as CO ₃ | | ND | mg/L | 1 | | | | | | |
| Bicarbonate as HCO ₃ | | 2 | mg/L | 1 | | | | | | |
| Sample ID: LCS | | Laboratory Control Sample | | | | | Run: MANTECH_110329A | | | 03/29/11 16:59 |
| Alkalinity, Total as CaCO ₃ | | 213 | mg/L | 5.0 | 106 | 90 | 110 | | | |
| Sample ID: C11030834-003ADUP | 3 | Sample Duplicate | | | | | Run: MANTECH_110329A | | | 03/29/11 19:12 |
| Alkalinity, Total as CaCO ₃ | | 148 | mg/L | 5.0 | | | | 0.5 | 10 | |
| Carbonate as CO ₃ | | ND | mg/L | 5.0 | | | | | 10 | |
| Bicarbonate as HCO ₃ | | 180 | mg/L | 5.0 | | | | 0.5 | 10 | |
| Sample ID: C11030834-003AMS | | Sample Matrix Spike | | | | | Run: MANTECH_110329A | | | 03/29/11 19:20 |
| Alkalinity, Total as CaCO ₃ | | 281 | mg/L | 5.0 | 106 | 80 | 120 | | | |

Qualifiers:

RL - Analyte reporting limit.

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MDC - Minimum detectable concentration



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples

Report Date: 05/11/11
Work Order: C11030834

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|---|----------|-----|------|-----------|-------------------------------------|-----|----------|----------------|
| Method: A2510 B | | | | | | | Analytical Run: ORION555A-2_110329A | | | |
| Sample ID: ICV2_110329_1 | | Initial Calibration Verification Standard | | | | | | | | 03/29/11 13:35 |
| Conductivity @ 25 C | | 1380 | umhos/cm | 1.0 | 98 | 90 | 110 | | | |
| Method: A2510 B | | | | | | | Batch: 110329_1_PH-W_555A-2 | | | |
| Sample ID: MBLK1_110329_1 | | Method Blank | | | | | | | | 03/29/11 13:31 |
| Conductivity @ 25 C | | 0.5 | umhos/cm | 0.2 | | | | | | |
| Sample ID: C11030842-001ADUP | | Sample Duplicate | | | | | | | | 03/29/11 14:39 |
| Conductivity @ 25 C | | 2830 | umhos/cm | 1.0 | | | | 0.1 | 10 | |

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples

Report Date: 05/11/11
Work Order: C11030834

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|---------------------------|-------|----|------|--------------------|------------|----------------------------|----------|------|
| Method: A2540 C | | | | | | | | Batch: 110329_1_SLDS-TDS-W | | |
| Sample ID: MBLK1_110329 | | Method Blank | | | | Run: BAL-1_110329B | | 03/29/11 15:31 | | |
| Solids, Total Dissolved TDS @ 180 C | | ND | mg/L | 4 | | | | | | |
| Sample ID: LCS1_110329 | | Laboratory Control Sample | | | | Run: BAL-1_110329B | | 03/29/11 15:31 | | |
| Solids, Total Dissolved TDS @ 180 C | | 997 | mg/L | 10 | 100 | 90 | 110 | | | |
| Sample ID: C11030828-001BDUP | | Sample Duplicate | | | | Run: BAL-1_110329B | | 03/29/11 15:34 | | |
| Solids, Total Dissolved TDS @ 180 C | | 204 | mg/L | 10 | | | | 0.4 | 10 | |
| Sample ID: C11030834-003BMS | | Sample Matrix Spike | | | | Run: BAL-1_110329B | | 03/29/11 15:35 | | |
| Solids, Total Dissolved TDS @ 180 C | | 2230 | mg/L | 10 | 100 | 90 | 110 | | | |

Qualifiers:

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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/11/11

Project: Marsland Baseline Samples

Work Order: C11030834

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|-------|------|-----------|----------------------|-----|----------|----------------|
| Method: A4500-F C | | | | | | | | | | Batch: R144428 |
| Sample ID: MBLK | | | | | | | | | | |
| Fluoride | | Method Blank | | | | | Run: MANTECH_110404A | | | 04/04/11 10:44 |
| | | 0.02 | mg/L | 0.008 | | | | | | |
| Sample ID: LCS | | | | | | | | | | |
| Fluoride | | Laboratory Control Sample | | | | | Run: MANTECH_110404A | | | 04/04/11 10:46 |
| | | 1.04 | mg/L | 0.10 | 102 | 90 | 110 | | | |
| Sample ID: C11030834-001AMS | | | | | | | | | | |
| Fluoride | | Sample Matrix Spike | | | | | Run: MANTECH_110404A | | | 04/04/11 11:14 |
| | | 2.00 | mg/L | 0.10 | 102 | 80 | 120 | | | |
| Sample ID: C11030834-001AMSD | | | | | | | | | | |
| Fluoride | | Sample Matrix Spike Duplicate | | | | | Run: MANTECH_110404A | | | 04/04/11 11:21 |
| | | 2.00 | mg/L | 0.10 | 102 | 80 | 120 | 0.0 | 10 | |

Qualifiers:

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MDC - Minimum detectable concentration



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/11/11

Project: Marsland Baseline Samples

Work Order: C11030834

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|---|-------|-------|------|-----------|------------|-------------------------------------|----------|----------------|
| Method: A4500-H B | | | | | | | | Analytical Run: ORION555A-2_110329A | | |
| Sample ID: ICV1_110329_1 | | Initial Calibration Verification Standard | | | | | | | | 03/29/11 13:33 |
| pH | | 6.88 | s.u. | 0.010 | 100 | 98 | 102 | | | |
| Method: A4500-H B | | | | | | | | Batch: 110329_1_PH-W_555A-2 | | |
| Sample ID: C11030842-001ADUP | | Sample Duplicate | | | | | | | | |
| | | Run: ORION555A-2_110329A | | | | | | | | 03/29/11 14:39 |
| pH | | 8.04 | s.u. | 0.010 | | | | 0.7 | 3 | |

Qualifiers:

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MDC - Minimum detectable concentration



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/11/11

Project: Marsland Baseline Samples

Work Order: C11030834

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|------------------------------|-------------------------------|--------|-------|-------|------|------------------------|------------|-----|----------------|------|
| Method: A4500-NH3 G | | | | | | | | | Batch: R144300 | |
| Sample ID: MBLK-3 | Method Blank | | | | | Run: TECHNICON_110331A | | | 03/31/11 11:23 | |
| Nitrogen, Ammonia as N | | ND | mg/L | 0.02 | | | | | | |
| Sample ID: LCS-4 | Laboratory Control Sample | | | | | Run: TECHNICON_110331A | | | 03/31/11 11:25 | |
| Nitrogen, Ammonia as N | | 1.93 | mg/L | 0.050 | 96 | 90 | 110 | | | |
| Sample ID: C11030834-001GMS | Sample Matrix Spike | | | | | Run: TECHNICON_110331A | | | 03/31/11 12:39 | |
| Nitrogen, Ammonia as N | | 1.74 | mg/L | 0.050 | 89 | 80 | 120 | | | |
| Sample ID: C11030834-001GMSD | Sample Matrix Spike Duplicate | | | | | Run: TECHNICON_110331A | | | 03/31/11 12:41 | |
| Nitrogen, Ammonia as N | | 1.77 | mg/L | 0.050 | 90 | 80 | 120 | 1.7 | 10 | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/11/11

Project: Marsland Baseline Samples

Work Order: C11030834

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|--|-------|--------|-------|---------------------|------|-----------|------------|-----|----------|-----------------|
| Method: E200.7 | | | | | | | | | | Batch: R144494A |
| Sample ID: C11030834-001CMS2 6 Sample Matrix Spike | | | | | | | | | | |
| | | | | Run: ICP2-C_110405A | | | | | | 04/05/11 15:44 |
| Calcium | | 132 | mg/L | 1.0 | 98 | 70 | 130 | | | |
| Magnesium | | 106 | mg/L | 1.0 | 97 | 70 | 130 | | | |
| Potassium | | 92.7 | mg/L | 1.0 | 88 | 70 | 130 | | | |
| Silicon | | 40.6 | mg/L | 0.10 | | 70 | 130 | | | A |
| Sodium | | 114 | mg/L | 1.0 | 98 | 70 | 130 | | | |
| Zinc | | 2.01 | mg/L | 0.010 | 95 | 70 | 130 | | | |
| Sample ID: C11030834-001CMSD 6 Sample Matrix Spike Duplicate | | | | | | | | | | |
| | | | | Run: ICP2-C_110405A | | | | | | 04/05/11 15:48 |
| Calcium | | 133 | mg/L | 1.0 | 100 | 70 | 130 | 0.9 | 20 | |
| Magnesium | | 106 | mg/L | 1.0 | 98 | 70 | 130 | 0.4 | 20 | |
| Potassium | | 92.4 | mg/L | 1.0 | 88 | 70 | 130 | 0.3 | 20 | |
| Silicon | | 40.8 | mg/L | 0.10 | | 70 | 130 | 0.4 | 20 | A |
| Sodium | | 114 | mg/L | 1.0 | 99 | 70 | 130 | 0.4 | 20 | |
| Zinc | | 2.04 | mg/L | 0.010 | 97 | 70 | 130 | 1.9 | 20 | |
| Sample ID: MB-110405A 6 Method Blank | | | | | | | | | | |
| | | | | Run: ICP2-C_110405A | | | | | | 04/05/11 14:35 |
| Calcium | | ND | mg/L | 0.2 | | | | | | |
| Magnesium | | ND | mg/L | 0.05 | | | | | | |
| Potassium | | ND | mg/L | 0.02 | | | | | | |
| Silicon | | ND | mg/L | 0.007 | | | | | | |
| Sodium | | ND | mg/L | 0.3 | | | | | | |
| Zinc | | ND | mg/L | 0.001 | | | | | | |
| Sample ID: LFB-110405A 6 Laboratory Fortified Blank | | | | | | | | | | |
| | | | | Run: ICP2-C_110405A | | | | | | 04/05/11 14:39 |
| Calcium | | 48.7 | mg/L | 0.50 | 97 | 85 | 115 | | | |
| Magnesium | | 49.4 | mg/L | 0.50 | 99 | 85 | 115 | | | |
| Potassium | | 43.2 | mg/L | 0.50 | 86 | 85 | 115 | | | |
| Silicon | | 0.427 | mg/L | 0.10 | 91 | 85 | 115 | | | |
| Sodium | | 47.6 | mg/L | 0.50 | 95 | 85 | 115 | | | |
| Zinc | | 0.957 | mg/L | 0.010 | 96 | 85 | 115 | | | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

MDC - Minimum detectable concentration



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/11/11

Project: Marsland Baseline Samples

Work Order: C11030834

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|---------|-----------------------|---------|-----|------|-----------|------------|-----|----------|----------------|
| Method: E200.8 | | | | | | | | | | Batch: 29415 |
| Sample ID: MB-29415 | | | | | | | | | | |
| Method Blank | | Run: ICPMS2-C_110405A | | | | | | | | |
| Uranium | ND | mg/L | 6E-05 | | | | | | | 04/05/11 17:32 |
| Sample ID: LCS2-29415 | | | | | | | | | | |
| Laboratory Control Sample | | Run: ICPMS2-C_110405A | | | | | | | | |
| Uranium | 0.100 | mg/L | 0.00030 | 100 | 85 | 115 | | | | 04/05/11 17:36 |
| Sample ID: C11030834-003HMS | | | | | | | | | | |
| Sample Matrix Spike | | Run: ICPMS2-C_110405A | | | | | | | | |
| Uranium | 0.00478 | mg/L | 0.00030 | 106 | 70 | 130 | | | | 04/05/11 18:34 |
| Sample ID: C11030834-003HMSD | | | | | | | | | | |
| Sample Matrix Spike Duplicate | | Run: ICPMS2-C_110405A | | | | | | | | |
| Uranium | 0.00475 | mg/L | 0.00030 | 105 | 70 | 130 | 0.7 | 20 | | 04/05/11 18:38 |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/11/11

Project: Marsland Baseline Samples

Work Order: C11030834

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------------------------------|-----------------------|-------|---------|------|-----------|------------|-----|----------|----------------|
| Method: E200.8 | | Batch: R144243A | | | | | | | | |
| Sample ID: LRB | 16 Method Blank | Run: ICPMS4-C_110330A | | | | | | | | 03/30/11 21:28 |
| Aluminum | | 0.007 | mg/L | 8E-05 | | | | | | |
| Arsenic | | ND | mg/L | 4E-05 | | | | | | |
| Barium | | 5E-05 | mg/L | 3E-05 | | | | | | |
| Boron | | 4E-05 | mg/L | | | | | | | |
| Cadmium | | ND | mg/L | 7E-05 | | | | | | |
| Chromium | | ND | mg/L | 5E-05 | | | | | | |
| Copper | | ND | mg/L | 6E-05 | | | | | | |
| Iron | | 0.006 | mg/L | 0.0001 | | | | | | |
| Lead | | ND | mg/L | 2E-05 | | | | | | |
| Manganese | | 7E-05 | mg/L | 2E-05 | | | | | | |
| Mercury | | ND | mg/L | 2E-05 | | | | | | |
| Molybdenum | | 0.0001 | mg/L | 8E-05 | | | | | | |
| Nickel | | 0.0001 | mg/L | 5E-05 | | | | | | |
| Selenium | | 0.0004 | mg/L | 5E-05 | | | | | | |
| Uranium | | ND | mg/L | 8E-06 | | | | | | |
| Vanadium | | ND | mg/L | 1E-05 | | | | | | |
| Sample ID: LFB | 16 Laboratory Fortified Blank | Run: ICPMS4-C_110330A | | | | | | | | 03/30/11 21:35 |
| Aluminum | | 0.0539 | mg/L | 0.0010 | 95 | 85 | 115 | | | |
| Arsenic | | 0.0541 | mg/L | 0.0010 | 108 | 85 | 115 | | | |
| Barium | | 0.0527 | mg/L | 0.0010 | 105 | 85 | 115 | | | |
| Boron | | 0.0513 | mg/L | 0.0010 | 103 | 85 | 115 | | | |
| Cadmium | | 0.0529 | mg/L | 0.0010 | 106 | 85 | 115 | | | |
| Chromium | | 0.0540 | mg/L | 0.0010 | 108 | 85 | 115 | | | |
| Copper | | 0.0548 | mg/L | 0.0010 | 110 | 85 | 115 | | | |
| Iron | | 1.26 | mg/L | 0.012 | 101 | 85 | 115 | | | |
| Lead | | 0.0532 | mg/L | 0.0010 | 106 | 85 | 115 | | | |
| Manganese | | 0.0539 | mg/L | 0.0010 | 108 | 85 | 115 | | | |
| Mercury | | 0.00518 | mg/L | 0.0010 | 104 | 85 | 115 | | | |
| Molybdenum | | 0.0523 | mg/L | 0.0010 | 104 | 85 | 115 | | | |
| Nickel | | 0.0554 | mg/L | 0.0010 | 110 | 85 | 115 | | | |
| Selenium | | 0.0522 | mg/L | 0.0010 | 104 | 85 | 115 | | | |
| Uranium | | 0.0524 | mg/L | 0.00030 | 105 | 85 | 115 | | | |
| Vanadium | | 0.0540 | mg/L | 0.0010 | 108 | 85 | 115 | | | |
| Sample ID: C11030834-003CMS4 | 16 Sample Matrix Spike | Run: ICPMS4-C_110330A | | | | | | | | 03/31/11 11:21 |
| Aluminum | | 0.0469 | mg/L | 0.0010 | 92 | 70 | 130 | | | |
| Arsenic | | 0.0582 | mg/L | 0.0010 | 105 | 70 | 130 | | | |
| Barium | | 0.154 | mg/L | 0.10 | 104 | 70 | 130 | | | |
| Boron | | 0.0804 | mg/L | 0.0010 | 89 | 70 | 130 | | | |
| Cadmium | | 0.0521 | mg/L | 0.010 | 104 | 70 | 130 | | | |
| Chromium | | 0.0505 | mg/L | 0.0010 | 101 | 70 | 130 | | | |
| Copper | | 0.0513 | mg/L | 0.010 | 102 | 70 | 130 | | | |
| Iron | | 1.25 | mg/L | 0.030 | 100 | 70 | 130 | | | |
| Lead | | 0.0518 | mg/L | 0.050 | 103 | 70 | 130 | | | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/11/11

Project: Marsland Baseline Samples

Work Order: C11030834

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|---------|-------|----------------------------------|------|-----------|------------|-----------------------|----------|------|
| Method: E200.8 | | | | | | | | Batch: R144243A | | |
| Sample ID: C11030834-003CMS4 | | | | 16 Sample Matrix Spike | | | | Run: ICPMS4-C_110330A | | |
| | | | | | | | | 03/31/11 11:21 | | |
| Manganese | | 0.0511 | mg/L | 0.010 | 102 | 70 | 130 | | | |
| Mercury | | 0.00531 | mg/L | 0.0010 | 106 | 70 | 130 | | | |
| Molybdenum | | 0.0502 | mg/L | 0.0010 | 98 | 70 | 130 | | | |
| Nickel | | 0.0503 | mg/L | 0.0010 | 100 | 70 | 130 | | | |
| Selenium | | 0.0560 | mg/L | 0.0010 | 109 | 70 | 130 | | | |
| Uranium | | 0.0576 | mg/L | 0.00030 | 102 | 70 | 130 | | | |
| Vanadium | | 0.0597 | mg/L | 0.0010 | 101 | 70 | 130 | | | |
| Sample ID: C11030834-003CMSD | | | | 16 Sample Matrix Spike Duplicate | | | | Run: ICPMS4-C_110330A | | |
| | | | | | | | | 03/31/11 11:28 | | |
| Aluminum | | 0.0468 | mg/L | 0.0010 | 92 | 70 | 130 | 0.1 | 20 | |
| Arsenic | | 0.0582 | mg/L | 0.0010 | 105 | 70 | 130 | 0.1 | 20 | |
| Barium | | 0.154 | mg/L | 0.10 | 104 | 70 | 130 | 0.1 | 20 | |
| Boron | | 0.0825 | mg/L | 0.0010 | 93 | 70 | 130 | 2.6 | 20 | |
| Cadmium | | 0.0524 | mg/L | 0.010 | 105 | 70 | 130 | 0.5 | 20 | |
| Chromium | | 0.0497 | mg/L | 0.0010 | 99 | 70 | 130 | 1.7 | 20 | |
| Copper | | 0.0511 | mg/L | 0.010 | 101 | 70 | 130 | 0.3 | 20 | |
| Iron | | 1.23 | mg/L | 0.030 | 98 | 70 | 130 | 1.9 | 20 | |
| Lead | | 0.0519 | mg/L | 0.050 | 104 | 70 | 130 | 0.3 | 20 | |
| Manganese | | 0.0512 | mg/L | 0.010 | 102 | 70 | 130 | 0.2 | 20 | |
| Mercury | | 0.00504 | mg/L | 0.0010 | 101 | 70 | 130 | 5.3 | 20 | |
| Molybdenum | | 0.0522 | mg/L | 0.0010 | 102 | 70 | 130 | 3.9 | 20 | |
| Nickel | | 0.0492 | mg/L | 0.0010 | 98 | 70 | 130 | 2.2 | 20 | |
| Selenium | | 0.0557 | mg/L | 0.0010 | 108 | 70 | 130 | 0.6 | 20 | |
| Uranium | | 0.0586 | mg/L | 0.00030 | 104 | 70 | 130 | 1.6 | 20 | |
| Vanadium | | 0.0592 | mg/L | 0.0010 | 100 | 70 | 130 | 0.9 | 20 | |

Qualifiers:

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MDC - Minimum detectable concentration



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/11/11

Project: Marsland Baseline Samples

Work Order: C11030834

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|------------------------------|-------|-------------------------------|-------|------|------|--------------------|------------|-----|----------|----------------|
| Method: E300.0 | | | | | | | | | | Batch: R144276 |
| Sample ID: LCS | 2 | Laboratory Control Sample | | | | Run: IC2-C_110330A | | | | 03/30/11 12:09 |
| Chloride | | 9.95 | mg/L | 1.0 | 100 | 90 | 110 | | | |
| Sulfate | | 40.2 | mg/L | 1.0 | 100 | 90 | 110 | | | |
| Sample ID: MBLK | 2 | Method Blank | | | | Run: IC2-C_110330A | | | | 03/30/11 12:25 |
| Chloride | | ND | mg/L | 0.06 | | | | | | |
| Sulfate | | 0.3 | mg/L | 0.2 | | | | | | |
| Sample ID: LFB | 2 | Laboratory Fortified Blank | | | | Run: IC2-C_110330A | | | | 03/30/11 12:56 |
| Chloride | | 12.4 | mg/L | 1.0 | 99 | 90 | 110 | | | |
| Sulfate | | 50.6 | mg/L | 1.0 | 101 | 90 | 110 | | | |
| Sample ID: C11030827-002CMS | 2 | Sample Matrix Spike | | | | Run: IC2-C_110330A | | | | 03/30/11 21:25 |
| Chloride | | 61.1 | mg/L | 1.0 | 103 | 80 | 120 | | | |
| Sulfate | | 1140 | mg/L | 4.0 | | 80 | 120 | | | A |
| Sample ID: C11030827-002CMSD | 2 | Sample Matrix Spike Duplicate | | | | Run: IC2-C_110330A | | | | 03/30/11 21:40 |
| Chloride | | 60.8 | mg/L | 1.0 | 103 | 80 | 120 | 0.4 | 10 | |
| Sulfate | | 1130 | mg/L | 4.0 | | 80 | 120 | 0.9 | 10 | A |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

MDC - Minimum detectable concentration



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/11/11

Project: Marsland Baseline Samples

Work Order: C11030834

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|------|------|-----------|------------------------|-----|----------|----------------|
| Method: E353.2 | | | | | | | | | | Batch: R144190 |
| Sample ID: MBLK-5 | | Method Blank | | | | | Run: TECHNICON_110329A | | | 03/29/11 13:05 |
| Nitrogen, Nitrate+Nitrite as N | | ND | mg/L | 0.06 | | | | | | |
| Sample ID: LCS-99 | | Laboratory Control Sample | | | | | Run: TECHNICON_110329A | | | 03/29/11 16:58 |
| Nitrogen, Nitrate+Nitrite as N | | 2.70 | mg/L | 0.10 | 108 | 90 | 110 | | | |
| Sample ID: C11030834-002GMS | | Sample Matrix Spike | | | | | Run: TECHNICON_110329A | | | 03/29/11 17:05 |
| Nitrogen, Nitrate+Nitrite as N | | 3.11 | mg/L | 0.10 | 109 | 90 | 110 | | | |
| Sample ID: C11030834-002GMSD | | Sample Matrix Spike Duplicate | | | | | Run: TECHNICON_110329A | | | 03/29/11 17:08 |
| Nitrogen, Nitrate+Nitrite as N | | 3.18 | mg/L | 0.10 | 113 | 90 | 110 | 2.2 | 10 | S |

Qualifiers:

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MDC - Minimum detectable concentration

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/11/11

Project: Marsland Baseline Samples

Work Order: C11030834

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|-----|------|-----------|-------------------------|-----|----------|-------------------|
| Method: E903.0 | | | | | | | | | | Batch: RA226-5269 |
| Sample ID: C11030834-001DMS | | Sample Matrix Spike | | | | | Run: TENNELEC-3_110330B | | | 04/06/11 21:14 |
| Radium 226 | 12 | pCi/L | | 93 | | 70 | 130 | | | |
| Sample ID: C11030834-001DMSD | | Sample Matrix Spike Duplicate | | | | | Run: TENNELEC-3_110330B | | | 04/06/11 21:14 |
| Radium 226 | 10 | pCi/L | | 78 | | 70 | 130 | 18 | 25.1 | |
| Sample ID: MB-RA226-5269 | 3 | Method Blank | | | | | Run: TENNELEC-3_110330B | | | 04/06/11 22:53 |
| Radium 226 | | 0.05 | pCi/L | | | | | | | U |
| Radium 226 precision (\pm) | | 0.07 | pCi/L | | | | | | | |
| Radium 226 MDC | | 0.1 | pCi/L | | | | | | | |
| Sample ID: LCS-RA226-5269 | | Laboratory Control Sample | | | | | Run: TENNELEC-3_110330B | | | 04/06/11 22:53 |
| Radium 226 | 6.3 | pCi/L | | 99 | | 85 | 115 | | | |
| Method: E903.0 | | | | | | | | | | Batch: 29415 |
| Sample ID: C11030834-003HMS | | Sample Matrix Spike | | | | | Run: TENNELEC-3_110404A | | | 04/11/11 14:34 |
| Radium 226 | 13 | pCi/L | | 117 | | 70 | 130 | | | |
| Sample ID: C11030834-003HMSD | | Sample Matrix Spike Duplicate | | | | | Run: TENNELEC-3_110404A | | | 04/11/11 14:34 |
| Radium 226 | 12 | pCi/L | | 114 | | 70 | 130 | 4.9 | 23 | |
| Sample ID: LCS-29415 | | Laboratory Control Sample | | | | | Run: TENNELEC-3_110404A | | | 04/11/11 14:34 |
| Radium 226 | 60 | pCi/L | | 100 | | 85 | 115 | | | |
| Sample ID: MB-29415 | 3 | Method Blank | | | | | Run: TENNELEC-3_110404A | | | 04/11/11 14:34 |
| Radium 226 | | 0.9 | pCi/L | | | | | | | U |
| Radium 226 precision (\pm) | | 0.8 | pCi/L | | | | | | | |
| Radium 226 MDC | | 1 | pCi/L | | | | | | | |

Qualifiers:

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ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/11/11

Project: Marsland Baseline Samples

Work Order: C11030834

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|---|-------------------------------|--------------|-------|------------------------|------|-----------|----------------|-----------------------|----------|------|
| Method: E908.0 | | | | | | | | Batch: 29415 | | |
| Sample ID: C11030834-003HMS | Sample Matrix Spike | | | Run: EGG-ORTEC_110401A | | | 04/05/11 09:08 | | | |
| Thorium 230 | | 8.8 | pCi/L | 103 | 70 | 130 | | | | |
| Sample ID: C11030834-003HMSD | Sample Matrix Spike Duplicate | | | Run: EGG-ORTEC_110401A | | | 04/05/11 09:08 | | | |
| Thorium 230 | | 11 | pCi/L | 132 | 70 | 130 | 26 | 48.6 | S | |
| - Spike response is outside of the acceptance range for this analysis. Since the LCS, MS, and all tracer recoveries are acceptable the batch is approved. | | | | | | | | | | |
| Sample ID: LCS-29415 | Laboratory Control Sample | | | Run: EGG-ORTEC_110401A | | | 04/05/11 09:08 | | | |
| Thorium 230 | | 9.9 | pCi/L | 102 | 70 | 130 | | | | |
| Sample ID: MB-29415 | 3 | Method Blank | | Run: EGG-ORTEC_110401A | | | 04/05/11 09:08 | | | |
| Thorium 230 | | -0.1 | pCi/L | | | | | | | U |
| Thorium 230 precision (±) | | 0.2 | pCi/L | | | | | | | |
| Thorium 230 MDC | | 0.3 | pCi/L | | | | | | | |
| Method: E908.0 | | | | | | | | Batch: RA-TH-ISO-1358 | | |
| Sample ID: LCS-RA-TH-ISO-1358 | Laboratory Control Sample | | | Run: EGG-ORTEC_110404A | | | 04/07/11 16:19 | | | |
| Thorium 230 | | 5.6 | pCi/L | 98 | 70 | 130 | | | | |
| Sample ID: C11030927-006DMS | Sample Matrix Spike | | | Run: EGG-ORTEC_110404A | | | 04/07/11 16:19 | | | |
| Thorium 230 | | 14 | pCi/L | 124 | 70 | 130 | | | | |
| Sample ID: C11030927-006DMSD | Sample Matrix Spike Duplicate | | | Run: EGG-ORTEC_110404A | | | 04/07/11 16:19 | | | |
| Thorium 230 | | 11 | pCi/L | 97 | 70 | 130 | 24 | 36.4 | | |
| Sample ID: MB-RA-TH-ISO-1358 | 3 | Method Blank | | Run: EGG-ORTEC_110404A | | | 04/08/11 08:53 | | | |
| Thorium 230 | | 0.001 | pCi/L | | | | | | | U |
| Thorium 230 precision (±) | | 0.06 | pCi/L | | | | | | | |
| Thorium 230 MDC | | 0.1 | pCi/L | | | | | | | |

Qualifiers:

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MDC - Minimum detectable concentration

U - Not detected at minimum detectable concentration

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples

Report Date: 05/11/11
Work Order: C11030834

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------------------------------|--------------|------------|-----|------|-----------------|------------|-----|----------------------|------|
| Method: E909.0 | | | | | | | | | Batch: T_PB-210-0095 | |
| Sample ID: T11030080-001EMSD | Sample Matrix Spike Duplicate | | | | | Run: SUB-T40083 | | | 04/23/11 09:46 | |
| Lead 210 | 48 | | pCi/L | 89 | | 70 | 130 | 2.7 | 16.2 | |
| Sample ID: T11030080-001EMS | Sample Matrix Spike | | | | | Run: SUB-T40083 | | | 04/23/11 07:35 | |
| Lead 210 | 49 | | pCi/L | 91 | | 70 | 130 | | | |
| Sample ID: LCS-PB-210-0095 | Laboratory Control Sample | | | | | Run: SUB-T40083 | | | 04/23/11 03:12 | |
| Lead 210 | 78 | | pCi/L | 109 | | 70 | 130 | | | |
| Sample ID: MB-PB-210-0095 | 3 | Method Blank | | | | Run: SUB-T40083 | | | 04/23/11 01:00 | |
| Lead 210 | | -0.4 | pCi/L | | | | | | | U |
| Lead 210 precision (±) | | 1 | pCi/L | | | | | | | |
| Lead 210 MDC | | 2 | pCi/L | | | | | | | |
| Method: E909.0 | | | | | | | | | Batch: 13788 | |
| Sample ID: T11040035-001AMSD | Sample Matrix Spike Duplicate | | | | | Run: SUB-T40226 | | | 05/04/11 08:07 | |
| Lead 210 | 6.94E-05 | | pCi/Filter | 90 | | 70 | 130 | 8.6 | 15.6 | |
| Sample ID: T11040035-001AMS | Sample Matrix Spike | | | | | Run: SUB-T40226 | | | 05/04/11 05:56 | |
| Lead 210 | 7.57E-05 | | pCi/Filter | 98 | | 70 | 130 | | | |
| Sample ID: LCS-13788 | Laboratory Control Sample | | | | | Run: SUB-T40226 | | | 05/04/11 01:33 | |
| Lead 210 | 340 | | pCi/L | 94 | | 70 | 130 | | | |
| Sample ID: MB-13788 | 3 | Method Blank | | | | Run: SUB-T40226 | | | 05/03/11 23:22 | |
| Lead 210 | | -2 | pCi/L | | | | | | | U |
| Lead 210 precision (±) | | 5 | pCi/L | | | | | | | |
| Lead 210 MDC | | 9 | pCi/L | | | | | | | |

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ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/11/11

Project: Marsland Baseline Samples

Work Order: C11030834

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------------------------------|--------------|-------|----|------|-----------|------------------------|-----|----------|-------------------|
| Method: E912.0 | | | | | | | | | | Batch: R144922 |
| Sample ID: LCS-29258 | Laboratory Control Sample | | | | | | Run: EGG-ORTEC_110412A | | | 04/14/11 08:57 |
| Polonium 210 | | 29 | pCi/L | | 96 | 70 | 130 | | | |
| Sample ID: MB-29258 | 3 | Method Blank | | | | | Run: EGG-ORTEC_110412A | | | 04/14/11 08:57 |
| Polonium 210 | | -0.05 | pCi/L | | | | | | | U |
| Polonium 210 precision (\pm) | | 0.9 | pCi/L | | | | | | | |
| Polonium 210 MDC | | 2 | pCi/L | | | | | | | |
| Sample ID: C11030766-001HMS | Sample Matrix Spike | | | | | | Run: EGG-ORTEC_110412A | | | 04/14/11 08:57 |
| Polonium 210 | | 5.1 | pCi/L | | 89 | 70 | 130 | | | |
| Sample ID: C11030766-001HMSD | Sample Matrix Spike Duplicate | | | | | | Run: EGG-ORTEC_110412A | | | 04/14/11 08:57 |
| Polonium 210 | | 5.1 | pCi/L | | 88 | 70 | 130 | 1.7 | 71.5 | |
| Method: E912.0 | | | | | | | | | | Batch: PO210-0358 |
| Sample ID: C11030834-003FMS | Sample Matrix Spike | | | | | | Run: EGG-ORTEC_110418A | | | 04/21/11 09:10 |
| Polonium 210 | | 14 | pCi/L | | 111 | 70 | 130 | | | |
| Sample ID: C11030834-003FMSD | Sample Matrix Spike Duplicate | | | | | | Run: EGG-ORTEC_110418A | | | 04/21/11 09:10 |
| Polonium 210 | | 12 | pCi/L | | 94 | 70 | 130 | 16 | 69.8 | |
| Sample ID: MB-PO210-0358 | 3 | Method Blank | | | | | Run: EGG-ORTEC_110418A | | | 04/21/11 09:10 |
| Polonium 210 | | -0.03 | pCi/L | | | | | | | U |
| Polonium 210 precision (\pm) | | 0.2 | pCi/L | | | | | | | |
| Polonium 210 MDC | | 0.5 | pCi/L | | | | | | | |
| Sample ID: LCS-PO210-0358 | Laboratory Control Sample | | | | | | Run: EGG-ORTEC_110418A | | | 04/21/11 09:10 |
| Polonium 210 | | 6.6 | pCi/L | | 105 | 70 | 130 | | | |

Qualifiers:

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MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



Workorder Receipt Checklist



C11030834

Login completed by: Edith McPike

Date Received: 3/29/2011

Reviewed by: BL2000\cwagner

Received by: ha

Reviewed Date: 4/1/2011

Carrier Ground
name:

| | | | |
|---|---|-----------------------------|--|
| Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Container/Temp Blank temperature: | 3.8°C On Ice | | |
| Water - VOA vials have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | No VOA vials submitted <input checked="" type="checkbox"/> |
| Water - pH acceptable upon receipt? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Applicable <input type="checkbox"/> |

Contact and Corrective Action Comments:

Samples filtered and preserved in the laboratory for dissolved and suspended radionuclides

PLEASE PRINT- Provide as much information as possible.

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|--|---|-----------------------|----------------------------|---------------------------|--------------------|---|-------------------------------|---------------------------|---|------------|--|------------------|---|--|-------------------------|------------------------|--|--|--|---|--|
| Company Name: Crow Butte Resources, Inc. | | | Project Name Marsland Baseline Samples | | | Sample Origin State: | | | EPA/State Compliance: Yes <input type="checkbox"/> No <input type="checkbox"/> | | | | | | | | | | | | | | | |
| Report Mail Address: P.O. Box 169 Crawford, NE 69339 | | | Contact Name: Larry Teahon | | | Phone/Fax: 308-665-2341 | | | Email: daxmynus@msn.com | | | Sampler: (Please Print) Brooke Bass Rhonda Pelton | | | | | | | | | | | | |
| Invoice Address: P.O. Box 169 Crawford, NE 69339 | | | Invoice Contact & Phone: Larry Teahon 308-665-2215 ext 114 | | | | | | Purchase Order: 1125 | | | Quote/Bottle Order: | | | | | | | | | | | | |
| Special Report/Formats – ELI must be notified prior to sample submittal for the following: <input type="checkbox"/> DW <input type="checkbox"/> GSA <input type="checkbox"/> POTW/WWTP <input type="checkbox"/> State: _____ <input type="checkbox"/> Other: _____ <input type="checkbox"/> A2LA <input type="checkbox"/> EDD/EDT (Electronic Data) Format: _____ <input type="checkbox"/> LEVEL IV <input type="checkbox"/> NELAC | | | | Number of Containers Sample Type: A W S V B O Air Water Soils/Solids Vegetation Bioassay Other | ANALYSIS REQUESTED | | | | | | | | | | R U S H | Contact ELI prior to RUSH sample submittal for charges and scheduling – See Instruction Page Comments: NDEQ parameters for baseline sampling. Report on separate sheets. Analyze as per WDEQ Guideline 8 and NRC Reg. Guide 4.14 requirements. Record U as mg/L and µCi/ml and radiometrics as pCi/L. | | Shipped by: UPS GED | | | | | | |
| | | | | | | | | | | | | | | | | | | Cobler ID(s): Client | | | | | | |
| SAMPLE IDENTIFICATION (Name, Location, Interval, etc.) | | | Collection Date | Collection Time | MATRIX | HNO3-F, Metals | RAW-F, Common Ions | RAW-UF, Alkalinity | H2SO4-F, NO2, NO3, NH4 | Raw-UF, Ra226, Po210 dis, sus | Raw-UF, Pb210 dis and sus | Raw-UF, Th230, U-nat dis and sus | | | | | | | Receipt Temp 3.8 °C | On Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Custody Seal <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N | Intact <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N | Signature Match <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N | |
| 1 Well #747 | | | 3/25/11 | | Water | .5 | 1 | 1 | .5 | 1 | 1 | 1 | | | | | | | | | | | | |
| 2 E. Driller's Pond | | | 3/25/11 | | Water | .5 | 1 | 1 | .5 | 1 | 1 | 1 | | | | | | | | | | | | |
| 3 W. Driller's Pond | | | 3/25/11 | | Water | .5 | 1 | 1 | .5 | 1 | 1 | 1 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | |
| Custody Record MUST be Signed | | | Relinquished by (print): Brooke Bass | | Date/Time: 3/24/11 | | Signature: Brooke Bass | | Received by (print): | | Date/Time: | | Signature: | | | | | | | | | | | |
| | | | Relinquished by (print): | | Date/Time: | | Signature: | | Received by (print): | | Date/Time: | | Signature: | | | | | | | | | | | |
| | | | Sample Disposal: Return to Client: No | | Lab Disposal: YES | | Received by Laboratory: | | Date/Time: 3-29-11 930 | | Signature: J. Hecmen | | | | | | | | | | | | | |

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report. Visit our web site at www.enerylab.com for additional information, downloadable fee schedule, forms, and links.

CROW BUTTE RESOURCES, INC.
CROW BUTTE PROJECT

NO₂⁻

DATE: 3.25.11

ANALYST: MO

STANDARD CURVE DATA

| | | | | | | | |
|-----|------|------|------|------|--|--|--|
| | BL | .01 | .05 | .10 | | | |
| Abs | .000 | .039 | .170 | .333 | | | |
| Abs | | | | | | | |

| SAMPLE # | VOLUME | Df | Abs | |
|---------------------|--------|----|------|----|
| 1 East Driller Pond | 10ml | 1 | .004 | <1 |
| 2 West Driller Pond | 10ml | 1 | .003 | <1 |
| 3 747 | 10ml | 1 | .002 | <1 |
| 4 West DP Dup | 10ml | 1 | .000 | <1 |
| 5 | | | | |
| Dup | | | | |
| 6 | | | | |
| 7 | | | | |
| 8 | | | | |
| 9 | | | | |
| 10 | | | | |
| Dup | | | | |
| 11 | | | | |
| 12 | | | | |
| 13 | | | | |
| 14 | | | | |
| 15 | | | | |
| Dup | | | | |
| 16 | | | | |
| 17 | | | | |
| 18 | | | | |
| 19 | | | | |
| 20 | | | | |
| Dup | | | | |
| 21 | | | | |
| 22 | | | | |
| 23 | | | | |
| 24 | | | | |
| 25 | | | | |
| Dup | | | | |



ANALYTICAL SUMMARY REPORT

May 25, 2011

Crow Butte Resources
86 Crow Butte Rd
Crawford, NE 69339

Workorder No.: C11030927 Quote ID: C1125 - Crow Butte Uranium

Project Name: Marsland Baseline Samples

Energy Laboratories, Inc. Casper WY received the following 10 samples for Crow Butte Resources on 3/31/2011 for analysis.

| Sample ID | Client Sample ID | Collect Date | Receive Date | Matrix | Test |
|---------------|------------------|----------------|--------------|---------|--|
| C11030927-001 | Monitor 1 | 03/28/11 00:00 | 03/31/11 | Aqueous | Metals by ICP/ICPMS, Dissolved Alkalinity QA Calculations Conductivity Sample Filtering Fluoride E300.0 Anions Uranium, Suspended Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Digestion, Total Metals Lead 210, Dissolved Lead 210, Suspended Polonium 210, Dissolved Polonium 210, Suspended Radium 226, Dissolved Radium 226, Suspended Thorium, Isotopic Thorium, Suspended Isotopic Solids, Total Dissolved |
| C11030927-002 | Monitor 2 | 03/28/11 00:00 | 03/31/11 | Aqueous | Same As Above |
| C11030927-003 | Monitor 4A | 03/28/11 00:00 | 03/31/11 | Aqueous | Same As Above |
| C11030927-004 | Monitor 5 | 03/28/11 00:00 | 03/31/11 | Aqueous | Same As Above |
| C11030927-005 | Monitor 6 | 03/28/11 00:00 | 03/31/11 | Aqueous | Same As Above |
| C11030927-006 | Monitor 7 | 03/28/11 00:00 | 03/31/11 | Aqueous | Same As Above |
| C11030927-007 | Monitor 8 | 03/28/11 00:00 | 03/31/11 | Aqueous | Same As Above |
| C11030927-008 | Monitor 9 | 03/28/11 00:00 | 03/31/11 | Aqueous | Same As Above |
| C11030927-009 | Monitor 10 | 03/28/11 00:00 | 03/31/11 | Aqueous | Same As Above |
| C11030927-010 | Monitor 11 | 03/28/11 00:00 | 03/31/11 | Aqueous | Same As Above |

This report was prepared by Energy Laboratories, Inc., 2393 Salt Creek Hwy., Casper, WY 82601. Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

The results as reported relate only to the item(s) submitted for testing.

If you have any questions regarding these test results, please call.

Report Approved By:



CLIENT: Crow Butte Resources
Project: Marsland Baseline Samples
Sample Delivery Group: C11030927

Report Date: 05/25/11

CASE NARRATIVE

RADIOCHEMISTRY ANALYSIS

Per client request, results less than MDC (or precision if no MDC), are reported as <MDC (or <precision). Actual instrument results are available by request.

BRANCH LABORATORY SUBCONTRACT ANALYSIS

Tests associated with analyst identified as ELI-CS were subcontracted to Energy Laboratories, 415 Graham Rd., College Station, TX, EPA Number TX01520.

ORIGINAL SAMPLE SUBMITTAL(S)

All original sample submittals have been returned with the data package.

SAMPLE TEMPERATURE COMPLIANCE: 4°C (±2°C)

Temperature of samples received may not be considered properly preserved by accepted standards. Samples that are hand delivered immediately after collection shall be considered acceptable if there is evidence that the chilling process has begun.

GROSS ALPHA ANALYSIS

Method 900.0 for gross alpha and gross beta is intended as a drinking water method for low TDS waters. Data provided by this method for non potable waters should be viewed as inconsistent.

SOIL/SOLID SAMPLES

All samples reported on an as received basis unless otherwise indicated.

SUBCONTRACTING ANALYSIS

Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.

BRANCH LABORATORY LOCATIONS

eli-b - Energy Laboratories, Inc. - Billings, MT
eli-g - Energy Laboratories, Inc. - Gillette, WY
eli-h - Energy Laboratories, Inc. - Helena, MT
eli-r - Energy Laboratories, Inc. - Rapid City, SD
eli-t - Energy Laboratories, Inc. - College Station, TX

CERTIFICATIONS:

USEPA: WY00002; FL-DOH NELAC: E87641; California: 02118CA
Oregon: WY200001; Utah: 3072350515; Virginia: 00057; Washington: C1903

ISO 17025 DISCLAIMER:

The results of this Analytical Report relate only to the items submitted for analysis.

ENERGY LABORATORIES, INC. - CASPER, WY certifies that certain method selections contained in this report meet requirements as set forth by the above accrediting authorities. Some results requested by the client may not be covered under these certifications. All analysis data to be submitted for regulatory enforcement should be certified in the sample state of origin. Please verify ELI's certification coverage by visiting www.energylab.com

ELI appreciates the opportunity to provide you with this analytical service. For additional information and services visit our web page www.energylab.com.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11030927-001
Client Sample ID: Monitor 1

Report Date: 05/25/11
Collection Date: 03/28/11
Date Received: 03/31/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|------------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 415 | mg/L | | 1 | | A2320 B | 03/31/11 18:25 / jba |
| Carbonate as CO ₃ | 12 | mg/L | | 1 | | A2320 B | 03/31/11 18:25 / jba |
| Bicarbonate as HCO ₃ | 483 | mg/L | | 1 | | A2320 B | 03/31/11 18:25 / jba |
| Calcium | 4 | mg/L | | 1 | | E200.7 | 04/07/11 19:48 / cp |
| Chloride | 179 | mg/L | | 1 | | E300.0 | 04/02/11 06:25 / ljl |
| Fluoride | 0.6 | mg/L | | 0.1 | | A4500-F C | 04/04/11 14:29 / lr |
| Magnesium | 1 | mg/L | | 1 | | E200.7 | 04/07/11 19:48 / cp |
| Nitrogen, Ammonia as N | ND | mg/L | | 0.05 | | A4500-NH ₃ G | 04/04/11 14:02 / dc |
| Nitrogen, Nitrate+Nitrite as N | ND | mg/L | | 0.1 | | E353.2 | 04/01/11 14:02 / dc |
| Potassium | 8 | mg/L | | 1 | | E200.7 | 04/07/11 19:48 / cp |
| Silica | 16.1 | mg/L | | 0.2 | | E200.7 | 04/07/11 19:48 / cp |
| Sodium | 338 | mg/L | | 1 | | E200.7 | 04/07/11 19:48 / cp |
| Sulfate | 59 | mg/L | D | 4 | | E300.0 | 04/02/11 06:25 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 1400 | umhos/cm | | 1 | | A2510 B | 03/31/11 14:59 / lr |
| pH | 8.29 | s.u. | | 0.01 | | A4500-H B | 03/31/11 14:59 / lr |
| Solids, Total Dissolved TDS @ 180 C | 817 | mg/L | | 10 | | A2540 C | 04/01/11 13:50 / lr |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.7 | 04/07/11 19:48 / cp |
| Arsenic | 0.003 | mg/L | | 0.001 | | E200.8 | 03/31/11 17:08 / sml |
| Barium | ND | mg/L | | 0.1 | | E200.8 | 03/31/11 17:08 / sml |
| Boron | 1.4 | mg/L | | 0.1 | | E200.7 | 04/07/11 19:48 / cp |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 03/31/11 17:08 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 03/31/11 17:08 / sml |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 03/31/11 17:08 / sml |
| Iron | 0.09 | mg/L | | 0.03 | | E200.7 | 04/07/11 19:48 / cp |
| Lead | 0.001 | mg/L | | 0.001 | | E200.8 | 03/31/11 17:08 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 03/31/11 17:08 / sml |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 03/31/11 17:08 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 03/31/11 17:08 / sml |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 03/31/11 17:08 / sml |
| Selenium | 0.002 | mg/L | | 0.001 | | E200.8 | 03/31/11 17:08 / sml |
| Uranium | 0.0087 | mg/L | | 0.0003 | | E200.8 | 03/31/11 17:08 / sml |
| Uranium, Activity | 5.9E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 03/31/11 17:08 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 03/31/11 17:08 / sml |
| Zinc | 0.09 | mg/L | | 0.01 | | E200.8 | 03/31/11 17:08 / sml |
| METALS - SUSPENDED | | | | | | | |
| Uranium | 0.0843 | mg/L | | 0.0003 | | E200.8 | 04/05/11 23:03 / sml |
| Uranium, Activity | 5.7E-08 | uCi/mL | | 2.0E-10 | | E200.8 | 04/05/11 23:03 / sml |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11030927-001
Client Sample ID: Monitor 1

Report Date: 05/25/11
Collection Date: 03/28/11
Date Received: 03/31/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|------------|-----|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | 67 | pCi/L | | 0.7 | | E909.0 | 05/01/11 13:14 / eli-cs |
| Lead 210 precision (±) | 1.1 | pCi/L | | | | E909.0 | 05/01/11 13:14 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 05/01/11 13:14 / eli-cs |
| Polonium 210 | 22 | pCi/L | | 0.7 | | E912.0 | 04/21/11 09:09 / ep |
| Polonium 210 precision (±) | 5.5 | pCi/L | | | | E912.0 | 04/21/11 09:09 / ep |
| Polonium 210 MDC | 0.7 | pCi/L | | | | E912.0 | 04/21/11 09:09 / ep |
| Radium 226 | 18 | pCi/L | | 0.1 | | E903.0 | 04/11/11 14:29 / plj |
| Radium 226 precision (±) | 0.8 | pCi/L | | | | E903.0 | 04/11/11 14:29 / plj |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 04/11/11 14:29 / plj |
| Thorium 230 | 1.4 | pCi/L | | 0.2 | | E908.0 | 04/07/11 16:19 / dmf |
| Thorium 230 precision (±) | 0.3 | pCi/L | | | | E908.0 | 04/07/11 16:19 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 04/07/11 16:19 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | 80 | pCi/L | | 0.8 | | E909.0 | 05/04/11 10:19 / eli-cs |
| Lead 210 precision (±) | 1.2 | pCi/L | | | | E909.0 | 05/04/11 10:19 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 05/04/11 10:19 / eli-cs |
| Polonium 210 | 22 | pCi/L | | 0.2 | | E912.0 | 04/27/11 08:38 / ep |
| Polonium 210 precision (±) | 4.6 | pCi/L | | | | E912.0 | 04/27/11 08:38 / ep |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 04/27/11 08:38 / ep |
| Radium 226 | 45 | pCi/L | | 0.1 | | E903.0 | 04/12/11 09:19 / dmf |
| Radium 226 precision (±) | 1.2 | pCi/L | | | | E903.0 | 04/12/11 09:19 / dmf |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 04/12/11 09:19 / dmf |
| Thorium 230 | 25 | pCi/L | | 0.1 | | E908.0 | 04/12/11 08:55 / dmf |
| Thorium 230 precision (±) | 3.7 | pCi/L | | | | E908.0 | 04/12/11 08:55 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 04/12/11 08:55 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 2.06 | % | | | | Calculation | 04/12/11 12:44 / kbh |
| Anions | 14.6 | meq/L | | | | Calculation | 04/12/11 12:44 / kbh |
| Cations | 15.2 | meq/L | | | | Calculation | 04/12/11 12:44 / kbh |
| Solids, Total Dissolved Calculated | 860 | mg/L | | | | Calculation | 04/12/11 12:44 / kbh |
| TDS Balance (0.80 - 1.20) | 0.950 | | | | | Calculation | 04/12/11 12:44 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11030927-002
Client Sample ID: Monitor 2

Report Date: 05/25/11
Collection Date: 03/28/11
Date Received: 03/31/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|------------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 406 | mg/L | | 1 | | A2320 B | 03/31/11 18:34 / jba |
| Carbonate as CO ₃ | 11 | mg/L | | 1 | | A2320 B | 03/31/11 18:34 / jba |
| Bicarbonate as HCO ₃ | 473 | mg/L | | 1 | | A2320 B | 03/31/11 18:34 / jba |
| Calcium | 4 | mg/L | | 1 | | E200.7 | 04/07/11 19:52 / cp |
| Chloride | 171 | mg/L | | 1 | | E300.0 | 04/02/11 06:41 / ljl |
| Fluoride | 0.6 | mg/L | | 0.1 | | A4500-F C | 04/04/11 14:47 / lr |
| Magnesium | ND | mg/L | | 1 | | E200.7 | 04/07/11 19:52 / cp |
| Nitrogen, Ammonia as N | 0.23 | mg/L | | 0.05 | | A4500-NH ₃ G | 04/04/11 14:04 / dc |
| Nitrogen, Nitrate+Nitrite as N | ND | mg/L | | 0.1 | | E353.2 | 04/01/11 14:05 / dc |
| Potassium | 9 | mg/L | | 1 | | E200.7 | 04/07/11 19:52 / cp |
| Silica | 16.7 | mg/L | | 0.2 | | E200.7 | 04/07/11 19:52 / cp |
| Sodium | 332 | mg/L | | 1 | | E200.7 | 04/07/11 19:52 / cp |
| Sulfate | 57 | mg/L | D | 4 | | E300.0 | 04/02/11 06:41 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 1360 | umhos/cm | | 1 | | A2510 B | 03/31/11 15:01 / lr |
| pH | 8.27 | s.u. | | 0.01 | | A4500-H B | 03/31/11 15:01 / lr |
| Solids, Total Dissolved TDS @ 180 C | 778 | mg/L | | 10 | | A2540 C | 04/01/11 13:51 / lr |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.7 | 04/07/11 19:52 / cp |
| Arsenic | 0.003 | mg/L | | 0.001 | | E200.8 | 03/31/11 17:14 / sml |
| Barium | ND | mg/L | | 0.1 | | E200.8 | 03/31/11 17:14 / sml |
| Boron | 1.4 | mg/L | | 0.1 | | E200.7 | 04/07/11 19:52 / cp |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 03/31/11 17:14 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 03/31/11 17:14 / sml |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 03/31/11 17:14 / sml |
| Iron | 0.03 | mg/L | | 0.03 | | E200.7 | 04/07/11 19:52 / cp |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 03/31/11 17:14 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 03/31/11 17:14 / sml |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 03/31/11 17:14 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 03/31/11 17:14 / sml |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 03/31/11 17:14 / sml |
| Selenium | 0.002 | mg/L | | 0.001 | | E200.8 | 03/31/11 17:14 / sml |
| Uranium | 0.0028 | mg/L | | 0.0003 | | E200.8 | 03/31/11 17:14 / sml |
| Uranium, Activity | 1.9E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 03/31/11 17:14 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 03/31/11 17:14 / sml |
| Zinc | 0.01 | mg/L | | 0.01 | | E200.8 | 03/31/11 17:14 / sml |
| METALS - SUSPENDED | | | | | | | |
| Uranium | 0.0012 | mg/L | | 0.0003 | | E200.8 | 04/05/11 23:07 / sml |
| Uranium, Activity | 8.0E-10 | uCi/mL | | 2.0E-10 | | E200.8 | 04/05/11 23:07 / sml |

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11030927-002
Client Sample ID: Monitor 2

Report Date: 05/25/11
Collection Date: 03/28/11
Date Received: 03/31/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|------------|-----|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | 1.1 | pCi/L | | 0.7 | | E909.0 | 05/01/11 15:25 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 05/01/11 15:25 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 05/01/11 15:25 / eli-cs |
| Polonium 210 | 3.7 | pCi/L | | 0.9 | | E912.0 | 04/20/11 08:58 / ep |
| Polonium 210 precision (±) | 1.8 | pCi/L | | | | E912.0 | 04/20/11 08:58 / ep |
| Polonium 210 MDC | 0.9 | pCi/L | | | | E912.0 | 04/20/11 08:58 / ep |
| Radium 226 | 0.8 | pCi/L | | 0.1 | | E903.0 | 04/11/11 14:29 / plj |
| Radium 226 precision (±) | 0.2 | pCi/L | | | | E903.0 | 04/11/11 14:29 / plj |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 04/11/11 14:29 / plj |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 04/07/11 16:19 / dmf |
| Thorium 230 precision (±) | 0.1 | pCi/L | | | | E908.0 | 04/07/11 16:19 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 04/07/11 16:19 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 05/04/11 12:30 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 05/04/11 12:30 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 05/04/11 12:30 / eli-cs |
| Polonium 210 | 0.4 | pCi/L | | 0.2 | | E912.0 | 04/27/11 08:38 / ep |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 04/27/11 08:38 / ep |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 04/27/11 08:38 / ep |
| Radium 226 | 1.0 | pCi/L | | 0.1 | | E903.0 | 04/12/11 09:19 / dmf |
| Radium 226 precision (±) | 0.2 | pCi/L | | | | E903.0 | 04/12/11 09:19 / dmf |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 04/12/11 09:19 / dmf |
| Thorium 230 | 0.2 | pCi/L | | 0.1 | | E908.0 | 04/12/11 08:55 / dmf |
| Thorium 230 precision (±) | 0.1 | pCi/L | | | | E908.0 | 04/12/11 08:55 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 04/12/11 08:55 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 2.90 | % | | | | Calculation | 04/12/11 12:45 / kbh |
| Anions | 14.1 | meq/L | | | | Calculation | 04/12/11 12:45 / kbh |
| Cations | 15.0 | meq/L | | | | Calculation | 04/12/11 12:45 / kbh |
| Solids, Total Dissolved Calculated | 839 | mg/L | | | | Calculation | 04/12/11 12:45 / kbh |
| TDS Balance (0.80 - 1.20) | 0.930 | | | | | Calculation | 04/12/11 12:45 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11030927-003
Client Sample ID: Monitor 4A

Report Date: 05/25/11
Collection Date: 03/28/11
Date Received: 03/31/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|------------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 356 | mg/L | | 1 | | A2320 B | 03/31/11 18:43 / jba |
| Carbonate as CO ₃ | 31 | mg/L | | 1 | | A2320 B | 03/31/11 18:43 / jba |
| Bicarbonate as HCO ₃ | 371 | mg/L | | 1 | | A2320 B | 03/31/11 18:43 / jba |
| Calcium | 3 | mg/L | | 1 | | E200.7 | 04/07/11 20:08 / cp |
| Chloride | 249 | mg/L | D | 2 | | E300.0 | 04/05/11 02:49 / ljl |
| Fluoride | 0.8 | mg/L | | 0.1 | | A4500-F C | 04/04/11 14:54 / lr |
| Magnesium | ND | mg/L | | 1 | | E200.7 | 04/07/11 20:08 / cp |
| Nitrogen, Ammonia as N | 0.26 | mg/L | | 0.05 | | A4500-NH ₃ G | 04/04/11 14:06 / dc |
| Nitrogen, Nitrate+Nitrite as N | ND | mg/L | | 0.1 | | E353.2 | 04/01/11 14:07 / dc |
| Potassium | 16 | mg/L | | 1 | | E200.7 | 04/07/11 20:08 / cp |
| Silica | 18.3 | mg/L | | 0.2 | | E200.7 | 04/07/11 20:08 / cp |
| Sodium | 394 | mg/L | | 1 | | E200.7 | 04/07/11 20:08 / cp |
| Sulfate | 112 | mg/L | D | 4 | | E300.0 | 04/02/11 06:56 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 1660 | umhos/cm | | 1 | | A2510 B | 03/31/11 15:04 / lr |
| pH | 8.97 | s.u. | | 0.01 | | A4500-H B | 03/31/11 15:04 / lr |
| Solids, Total Dissolved TDS @ 180 C | 955 | mg/L | | 10 | | A2540 C | 04/01/11 13:51 / lr |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.7 | 04/07/11 20:08 / cp |
| Arsenic | 0.005 | mg/L | | 0.001 | | E200.8 | 03/31/11 17:21 / sml |
| Barium | ND | mg/L | | 0.1 | | E200.8 | 03/31/11 17:21 / sml |
| Boron | 1.3 | mg/L | | 0.1 | | E200.7 | 04/07/11 20:08 / cp |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 03/31/11 17:21 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 03/31/11 17:21 / sml |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 03/31/11 17:21 / sml |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 04/07/11 20:08 / cp |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 03/31/11 17:21 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 03/31/11 17:21 / sml |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 03/31/11 17:21 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 03/31/11 17:21 / sml |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 03/31/11 17:21 / sml |
| Selenium | 0.002 | mg/L | | 0.001 | | E200.8 | 03/31/11 17:21 / sml |
| Uranium | 0.0826 | mg/L | | 0.0003 | | E200.8 | 03/31/11 17:21 / sml |
| Uranium, Activity | 5.6E-08 | uCi/mL | | 2.0E-10 | | E200.8 | 03/31/11 17:21 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 03/31/11 17:21 / sml |
| Zinc | ND | mg/L | | 0.01 | | E200.8 | 03/31/11 17:21 / sml |
| METALS - SUSPENDED | | | | | | | |
| Uranium | 0.0016 | mg/L | | 0.0003 | | E200.8 | 04/05/11 23:12 / sml |
| Uranium, Activity | 1.1E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 04/05/11 23:12 / sml |

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11030927-003
Client Sample ID: Monitor 4A

Report Date: 05/25/11
Collection Date: 03/28/11
Date Received: 03/31/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|------------|-----|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | 591 | pCi/L | | 0.8 | | E909.0 | 05/01/11 17:37 / eli-cs |
| Lead 210 precision (±) | 3.1 | pCi/L | | | | E909.0 | 05/01/11 17:37 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 05/01/11 17:37 / eli-cs |
| Polonium 210 | 131 | pCi/L | | 0.7 | | E912.0 | 04/20/11 08:58 / ep |
| Polonium 210 precision (±) | 27 | pCi/L | | | | E912.0 | 04/20/11 08:58 / ep |
| Polonium 210 MDC | 0.7 | pCi/L | | | | E912.0 | 04/20/11 08:58 / ep |
| Radium 226 | 238 | pCi/L | | 0.1 | | E903.0 | 04/11/11 14:29 / plj |
| Radium 226 precision (±) | 2.9 | pCi/L | | | | E903.0 | 04/11/11 14:29 / plj |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 04/11/11 14:29 / plj |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 04/07/11 16:19 / dmf |
| Thorium 230 precision (±) | 0.1 | pCi/L | | | | E908.0 | 04/07/11 16:19 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 04/07/11 16:19 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | 36 | pCi/L | | 0.8 | | E909.0 | 05/04/11 14:42 / eli-cs |
| Lead 210 precision (±) | 0.9 | pCi/L | | | | E909.0 | 05/04/11 14:42 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 05/04/11 14:42 / eli-cs |
| Polonium 210 | 8.2 | pCi/L | | 0.2 | | E912.0 | 04/27/11 08:38 / ep |
| Polonium 210 precision (±) | 1.8 | pCi/L | | | | E912.0 | 04/27/11 08:38 / ep |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 04/27/11 08:38 / ep |
| Radium 226 | 0.7 | pCi/L | | 0.1 | | E903.0 | 04/12/11 09:19 / dmf |
| Radium 226 precision (±) | 0.2 | pCi/L | | | | E903.0 | 04/12/11 09:19 / dmf |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 04/12/11 09:19 / dmf |
| Thorium 230 | 0.6 | pCi/L | | 0.1 | | E908.0 | 04/12/11 08:55 / dmf |
| Thorium 230 precision (±) | 0.2 | pCi/L | | | | E908.0 | 04/12/11 08:55 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 04/12/11 08:55 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 3.70 | % | | | | Calculation | 04/12/11 12:45 / kbh |
| Anions | 16.5 | meq/L | | | | Calculation | 04/12/11 12:45 / kbh |
| Cations | 17.8 | meq/L | | | | Calculation | 04/12/11 12:45 / kbh |
| Solids, Total Dissolved Calculated | 1010 | mg/L | | | | Calculation | 04/12/11 12:45 / kbh |
| TDS Balance (0.80 - 1.20) | 0.950 | | | | | Calculation | 04/12/11 12:45 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11030927-004
Client Sample ID: Monitor 5

Report Date: 05/25/11
Collection Date: 03/28/11
Date Received: 03/31/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|------------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 311 | mg/L | | 1 | | A2320 B | 03/31/11 18:52 / jba |
| Carbonate as CO ₃ | 125 | mg/L | | 1 | | A2320 B | 03/31/11 18:52 / jba |
| Bicarbonate as HCO ₃ | 125 | mg/L | | 1 | | A2320 B | 03/31/11 18:52 / jba |
| Calcium | 4 | mg/L | | 1 | | E200.7 | 04/07/11 20:12 / cp |
| Chloride | 335 | mg/L | D | 2 | | E300.0 | 04/05/11 03:35 / ljl |
| Fluoride | 0.8 | mg/L | | 0.1 | | A4500-F C | 04/04/11 14:58 / lr |
| Magnesium | ND | mg/L | | 1 | | E200.7 | 04/07/11 20:12 / cp |
| Nitrogen, Ammonia as N | 0.48 | mg/L | | 0.05 | | A4500-NH ₃ G | 04/04/11 14:08 / dc |
| Nitrogen, Nitrate+Nitrite as N | ND | mg/L | | 0.1 | | E353.2 | 04/01/11 14:17 / dc |
| Potassium | 39 | mg/L | | 1 | | E200.7 | 04/07/11 20:12 / cp |
| Silica | 30.7 | mg/L | | 0.2 | | E200.7 | 04/07/11 20:12 / cp |
| Sodium | 514 | mg/L | | 1 | | E200.7 | 04/07/11 20:12 / cp |
| Sulfate | 308 | mg/L | D | 4 | | E300.0 | 04/02/11 07:12 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 2290 | umhos/cm | | 1 | | A2510 B | 03/31/11 15:06 / lr |
| pH | 10.0 | s.u. | | 0.01 | | A4500-H B | 03/31/11 15:06 / lr |
| Solids, Total Dissolved TDS @ 180 C | 1290 | mg/L | | 10 | | A2540 C | 04/01/11 13:51 / lr |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | 0.4 | mg/L | | 0.1 | | E200.7 | 04/07/11 20:12 / cp |
| Arsenic | 0.002 | mg/L | | 0.001 | | E200.8 | 03/31/11 17:28 / sml |
| Barium | ND | mg/L | | 0.1 | | E200.8 | 03/31/11 17:28 / sml |
| Boron | 1.1 | mg/L | | 0.1 | | E200.7 | 04/07/11 20:12 / cp |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 03/31/11 17:28 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 03/31/11 17:28 / sml |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 03/31/11 17:28 / sml |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 04/07/11 20:12 / cp |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 03/31/11 17:28 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 03/31/11 17:28 / sml |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 03/31/11 17:28 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 03/31/11 17:28 / sml |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 03/31/11 17:28 / sml |
| Selenium | 0.003 | mg/L | | 0.001 | | E200.8 | 03/31/11 17:28 / sml |
| Uranium | 0.0004 | mg/L | | 0.0003 | | E200.8 | 03/31/11 17:28 / sml |
| Uranium, Activity | 3.0E-10 | uCi/mL | | 2.0E-10 | | E200.8 | 03/31/11 17:28 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 03/31/11 17:28 / sml |
| Zinc | ND | mg/L | | 0.01 | | E200.8 | 03/31/11 17:28 / sml |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 04/05/11 23:32 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 04/05/11 23:32 / sml |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11030927-004
Client Sample ID: Monitor 5

Report Date: 05/25/11
Collection Date: 03/28/11
Date Received: 03/31/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|------------|-----|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | 1 | pCi/L | | 0.7 | | E909.0 | 05/01/11 19:48 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 05/01/11 19:48 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 05/01/11 19:48 / eli-cs |
| Polonium 210 | 1.2 | pCi/L | | 0.7 | | E912.0 | 04/20/11 08:58 / ep |
| Polonium 210 precision (±) | 0.8 | pCi/L | | | | E912.0 | 04/20/11 08:58 / ep |
| Polonium 210 MDC | 0.7 | pCi/L | | | | E912.0 | 04/20/11 08:58 / ep |
| Radium 226 | 2.3 | pCi/L | | 0.1 | | E903.0 | 04/11/11 14:29 / plj |
| Radium 226 precision (±) | 0.3 | pCi/L | | | | E903.0 | 04/11/11 14:29 / plj |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 04/11/11 14:29 / plj |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 04/07/11 16:19 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 04/07/11 16:19 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 04/07/11 16:19 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 05/04/11 16:53 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 05/04/11 16:53 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 05/04/11 16:53 / eli-cs |
| Polonium 210 | <0.2 | pCi/L | U | 0.2 | | E912.0 | 04/27/11 08:38 / ep |
| Polonium 210 precision (±) | 0.1 | pCi/L | | | | E912.0 | 04/27/11 08:38 / ep |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 04/27/11 08:38 / ep |
| Radium 226 | <0.1 | pCi/L | U | 0.1 | | E903.0 | 04/12/11 09:19 / dmf |
| Radium 226 precision (±) | 0.07 | pCi/L | | | | E903.0 | 04/12/11 09:19 / dmf |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 04/12/11 09:19 / dmf |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 04/12/11 08:55 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 04/12/11 08:55 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 04/12/11 08:55 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 3.34 | % | | | | Calculation | 04/12/11 12:45 / kbh |
| Anions | 22.1 | meq/L | | | | Calculation | 04/12/11 12:45 / kbh |
| Cations | 23.7 | meq/L | | | | Calculation | 04/12/11 12:45 / kbh |
| Solids, Total Dissolved Calculated | 1430 | mg/L | | | | Calculation | 04/12/11 12:45 / kbh |
| TDS Balance (0.80 - 1.20) | 0.900 | | | | | Calculation | 04/12/11 12:45 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11030927-005
Client Sample ID: Monitor 6

Report Date: 05/25/11
Collection Date: 03/28/11
Date Received: 03/31/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|------------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 368 | mg/L | | 1 | | A2320 B | 03/31/11 19:19 / jba |
| Carbonate as CO ₃ | 68 | mg/L | | 1 | | A2320 B | 03/31/11 19:19 / jba |
| Bicarbonate as HCO ₃ | 311 | mg/L | | 1 | | A2320 B | 03/31/11 19:19 / jba |
| Calcium | 7 | mg/L | | 1 | | E200.7 | 04/07/11 20:16 / cp |
| Chloride | 428 | mg/L | D | 4 | | E300.0 | 04/05/11 03:50 / ljl |
| Fluoride | 0.8 | mg/L | | 0.1 | | A4500-F C | 04/04/11 15:00 / lr |
| Magnesium | ND | mg/L | | 1 | | E200.7 | 04/07/11 20:16 / cp |
| Nitrogen, Ammonia as N | 0.40 | mg/L | | 0.05 | | A4500-NH ₃ G | 04/04/11 14:10 / dc |
| Nitrogen, Nitrate+Nitrite as N | ND | mg/L | | 0.1 | | E353.2 | 04/01/11 14:20 / dc |
| Potassium | 25 | mg/L | | 1 | | E200.7 | 04/07/11 20:16 / cp |
| Silica | 19.6 | mg/L | | 0.2 | | E200.7 | 04/07/11 20:16 / cp |
| Sodium | 478 | mg/L | | 1 | | E200.7 | 04/07/11 20:16 / cp |
| Sulfate | 59 | mg/L | D | 4 | | E300.0 | 04/02/11 07:27 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 2100 | umhos/cm | | 1 | | A2510 B | 03/31/11 15:08 / lr |
| pH | 9.31 | s.u. | | 0.01 | | A4500-H B | 03/31/11 15:08 / lr |
| Solids, Total Dissolved TDS @ 180 C | 1160 | mg/L | | 10 | | A2540 C | 04/01/11 13:52 / lr |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.7 | 04/07/11 20:16 / cp |
| Arsenic | 0.002 | mg/L | | 0.001 | | E200.8 | 03/31/11 17:35 / sml |
| Barium | 0.1 | mg/L | | 0.1 | | E200.8 | 03/31/11 17:35 / sml |
| Boron | 1.3 | mg/L | | 0.1 | | E200.7 | 04/07/11 20:16 / cp |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 03/31/11 17:35 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 03/31/11 17:35 / sml |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 03/31/11 17:35 / sml |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 04/07/11 20:16 / cp |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 03/31/11 17:35 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 03/31/11 17:35 / sml |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 03/31/11 17:35 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 03/31/11 17:35 / sml |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 03/31/11 17:35 / sml |
| Selenium | 0.003 | mg/L | | 0.001 | | E200.8 | 03/31/11 17:35 / sml |
| Uranium | 0.0028 | mg/L | | 0.0003 | | E200.8 | 03/31/11 17:35 / sml |
| Uranium, Activity | 1.9E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 03/31/11 17:35 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 03/31/11 17:35 / sml |
| Zinc | ND | mg/L | | 0.01 | | E200.8 | 03/31/11 17:35 / sml |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 04/05/11 23:36 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 04/05/11 23:36 / sml |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11030927-005
Client Sample ID: Monitor 6

Report Date: 05/25/11
Collection Date: 03/28/11
Date Received: 03/31/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|------------|-----|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | 2.4 | pCi/L | | 1.1 | | E909.0 | 05/01/11 22:00 / eli-cs |
| Lead 210 precision (±) | 0.7 | pCi/L | | | | E909.0 | 05/01/11 22:00 / eli-cs |
| Lead 210 MDC | 1.1 | pCi/L | | | | E909.0 | 05/01/11 22:00 / eli-cs |
| Polonium 210 | 1 | pCi/L | | 0.7 | | E912.0 | 04/20/11 08:58 / ep |
| Polonium 210 precision (±) | 0.7 | pCi/L | | | | E912.0 | 04/20/11 08:58 / ep |
| Polonium 210 MDC | 0.7 | pCi/L | | | | E912.0 | 04/20/11 08:58 / ep |
| Radium 226 | 1.4 | pCi/L | | 0.1 | | E903.0 | 04/11/11 14:29 / plj |
| Radium 226 precision (±) | 0.2 | pCi/L | | | | E903.0 | 04/11/11 14:29 / plj |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 04/11/11 14:29 / plj |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 04/07/11 16:19 / dmf |
| Thorium 230 precision (±) | 0.08 | pCi/L | | | | E908.0 | 04/07/11 16:19 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 04/07/11 16:19 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 05/04/11 19:05 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 05/04/11 19:05 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 05/04/11 19:05 / eli-cs |
| Polonium 210 | <0.3 | pCi/L | U | 0.3 | | E912.0 | 04/27/11 08:38 / ep |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 04/27/11 08:38 / ep |
| Polonium 210 MDC | 0.3 | pCi/L | | | | E912.0 | 04/27/11 08:38 / ep |
| Radium 226 | <0.1 | pCi/L | U | 0.1 | | E903.0 | 04/12/11 09:19 / dmf |
| Radium 226 precision (±) | 0.07 | pCi/L | | | | E903.0 | 04/12/11 09:19 / dmf |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 04/12/11 09:19 / dmf |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 04/12/11 08:55 / dmf |
| Thorium 230 precision (±) | 0.08 | pCi/L | | | | E908.0 | 04/12/11 08:55 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 04/12/11 08:55 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 2.72 | % | | | | Calculation | 04/12/11 12:46 / kbh |
| Anions | 20.7 | meq/L | | | | Calculation | 04/12/11 12:46 / kbh |
| Cations | 21.9 | meq/L | | | | Calculation | 04/12/11 12:46 / kbh |
| Solids, Total Dissolved Calculated | 1240 | mg/L | | | | Calculation | 04/12/11 12:46 / kbh |
| TDS Balance (0.80 - 1.20) | 0.940 | | | | | Calculation | 04/12/11 12:46 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11030927-006
Client Sample ID: Monitor 7

Report Date: 05/25/11
Collection Date: 03/28/11
Date Received: 03/31/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|------------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 253 | mg/L | | 1 | | A2320 B | 03/31/11 19:53 / jba |
| Carbonate as CO ₃ | 32 | mg/L | | 1 | | A2320 B | 03/31/11 19:53 / jba |
| Bicarbonate as HCO ₃ | 244 | mg/L | | 1 | | A2320 B | 03/31/11 19:53 / jba |
| Calcium | 7 | mg/L | | 1 | | E200.7 | 04/07/11 20:20 / cp |
| Chloride | 371 | mg/L | D | 4 | | E300.0 | 04/05/11 04:06 / ljl |
| Fluoride | 0.8 | mg/L | | 0.1 | | A4500-F C | 04/04/11 15:03 / lr |
| Magnesium | 1 | mg/L | | 1 | | E200.7 | 04/07/11 20:20 / cp |
| Nitrogen, Ammonia as N | 0.25 | mg/L | | 0.05 | | A4500-NH ₃ G | 04/04/11 14:18 / dc |
| Nitrogen, Nitrate+Nitrite as N | ND | mg/L | | 0.1 | | E353.2 | 04/01/11 14:22 / dc |
| Potassium | 18 | mg/L | | 1 | | E200.7 | 04/07/11 20:20 / cp |
| Silica | 18.0 | mg/L | | 0.2 | | E200.7 | 04/07/11 20:20 / cp |
| Sodium | 518 | mg/L | | 1 | | E200.7 | 04/07/11 20:20 / cp |
| Sulfate | 295 | mg/L | D | 4 | | E300.0 | 04/02/11 07:43 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 2220 | umhos/cm | | 1 | | A2510 B | 03/31/11 15:09 / lr |
| pH | 9.25 | s.u. | | 0.01 | | A4500-H B | 03/31/11 15:09 / lr |
| Solids, Total Dissolved TDS @ 180 C | 1330 | mg/L | | 10 | | A2540 C | 04/01/11 13:53 / lr |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.8 | 03/31/11 18:02 / sml |
| Arsenic | 0.002 | mg/L | | 0.001 | | E200.8 | 03/31/11 18:02 / sml |
| Barium | ND | mg/L | | 0.1 | | E200.8 | 03/31/11 18:02 / sml |
| Boron | 1.1 | mg/L | | 0.1 | | E200.8 | 04/04/11 18:28 / sml |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 03/31/11 18:02 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 03/31/11 18:02 / sml |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 03/31/11 18:02 / sml |
| Iron | ND | mg/L | | 0.03 | | E200.8 | 04/04/11 18:28 / sml |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 03/31/11 18:02 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 03/31/11 18:02 / sml |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 03/31/11 18:02 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 03/31/11 18:02 / sml |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 03/31/11 18:02 / sml |
| Selenium | 0.001 | mg/L | | 0.001 | | E200.8 | 04/04/11 18:28 / sml |
| Uranium | 0.0006 | mg/L | | 0.0003 | | E200.8 | 03/31/11 18:02 / sml |
| Uranium, Activity | 4.1E-10 | uCi/mL | | 2.0E-10 | | E200.8 | 03/31/11 18:02 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 03/31/11 18:02 / sml |
| Zinc | ND | mg/L | | 0.01 | | E200.8 | 03/31/11 18:02 / sml |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 04/05/11 23:41 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 04/05/11 23:41 / sml |

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11030927-006
Client Sample ID: Monitor 7

Report Date: 05/25/11
Collection Date: 03/28/11
Date Received: 03/31/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|------------|-----|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 05/02/11 00:11 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 05/02/11 00:11 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 05/02/11 00:11 / eli-cs |
| Polonium 210 | <0.7 | pCi/L | U | 0.7 | | E912.0 | 04/20/11 08:58 / ep |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 04/20/11 08:58 / ep |
| Polonium 210 MDC | 0.7 | pCi/L | | | | E912.0 | 04/20/11 08:58 / ep |
| Radium 226 | 1.1 | pCi/L | | 0.1 | | E903.0 | 04/11/11 14:29 / plj |
| Radium 226 precision (±) | 0.2 | pCi/L | | | | E903.0 | 04/11/11 14:29 / plj |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 04/11/11 14:29 / plj |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 04/07/11 16:19 / dmf |
| Thorium 230 precision (±) | 0.09 | pCi/L | | | | E908.0 | 04/07/11 16:19 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 04/07/11 16:19 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 05/04/11 21:16 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 05/04/11 21:16 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 05/04/11 21:16 / eli-cs |
| Polonium 210 | <0.2 | pCi/L | U | 0.2 | | E912.0 | 04/27/11 08:38 / ep |
| Polonium 210 precision (±) | 0.1 | pCi/L | | | | E912.0 | 04/27/11 08:38 / ep |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 04/27/11 08:38 / ep |
| Radium 226 | <0.1 | pCi/L | U | 0.1 | | E903.0 | 04/12/11 09:19 / dmf |
| Radium 226 precision (±) | 0.07 | pCi/L | | | | E903.0 | 04/12/11 09:19 / dmf |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 04/12/11 09:19 / dmf |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 04/12/11 08:55 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 04/12/11 08:55 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 04/12/11 08:55 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 3.78 | % | | | | Calculation | 04/12/11 12:46 / kbh |
| Anions | 21.7 | meq/L | | | | Calculation | 04/12/11 12:46 / kbh |
| Cations | 23.4 | meq/L | | | | Calculation | 04/12/11 12:46 / kbh |
| Solids, Total Dissolved Calculated | 1390 | mg/L | | | | Calculation | 04/12/11 12:46 / kbh |
| TDS Balance (0.80 - 1.20) | 0.960 | | | | | Calculation | 04/12/11 12:46 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11030927-007
Client Sample ID: Monitor 8

Report Date: 05/25/11
Collection Date: 03/28/11
Date Received: 03/31/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|------------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 288 | mg/L | | 1 | | A2320 B | 03/31/11 20:01 / jba |
| Carbonate as CO ₃ | 24 | mg/L | | 1 | | A2320 B | 03/31/11 20:01 / jba |
| Bicarbonate as HCO ₃ | 302 | mg/L | | 1 | | A2320 B | 03/31/11 20:01 / jba |
| Calcium | 9 | mg/L | | 1 | | E200.7 | 04/07/11 20:33 / cp |
| Chloride | 217 | mg/L | | 1 | | E300.0 | 04/02/11 07:58 / ljl |
| Fluoride | 0.7 | mg/L | | 0.1 | | A4500-F C | 04/04/11 15:07 / lr |
| Magnesium | 2 | mg/L | | 1 | | E200.7 | 04/07/11 20:33 / cp |
| Nitrogen, Ammonia as N | 0.32 | mg/L | | 0.05 | | A4500-NH ₃ G | 04/04/11 14:20 / dc |
| Nitrogen, Nitrate+Nitrite as N | ND | mg/L | | 0.1 | | E353.2 | 04/01/11 14:25 / dc |
| Potassium | 19 | mg/L | | 1 | | E200.7 | 04/07/11 20:33 / cp |
| Silica | 19.7 | mg/L | | 0.2 | | E200.7 | 04/07/11 20:33 / cp |
| Sodium | 472 | mg/L | | 1 | | E200.7 | 04/07/11 20:33 / cp |
| Sulfate | 394 | mg/L | D | 4 | | E300.0 | 04/02/11 07:58 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 2020 | umhos/cm | | 1 | | A2510 B | 03/31/11 15:11 / lr |
| pH | 8.98 | s.u. | | 0.01 | | A4500-H B | 03/31/11 15:11 / lr |
| Solids, Total Dissolved TDS @ 180 C | 1260 | mg/L | | 10 | | A2540 C | 04/01/11 13:54 / lr |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.8 | 03/31/11 18:09 / sml |
| Arsenic | 0.002 | mg/L | | 0.001 | | E200.8 | 03/31/11 18:09 / sml |
| Barium | ND | mg/L | | 0.1 | | E200.8 | 03/31/11 18:09 / sml |
| Boron | 1.1 | mg/L | | 0.1 | | E200.8 | 04/04/11 18:35 / sml |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 03/31/11 18:09 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 03/31/11 18:09 / sml |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 03/31/11 18:09 / sml |
| Iron | ND | mg/L | | 0.03 | | E200.8 | 04/04/11 18:35 / sml |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 03/31/11 18:09 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 03/31/11 18:09 / sml |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 03/31/11 18:09 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 03/31/11 18:09 / sml |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 03/31/11 18:09 / sml |
| Selenium | 0.002 | mg/L | | 0.001 | | E200.8 | 04/04/11 18:35 / sml |
| Uranium | 0.0005 | mg/L | | 0.0003 | | E200.8 | 03/31/11 18:09 / sml |
| Uranium, Activity | 3.4E-10 | uCi/mL | | 2.0E-10 | | E200.8 | 03/31/11 18:09 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 03/31/11 18:09 / sml |
| Zinc | ND | mg/L | | 0.01 | | E200.8 | 03/31/11 18:09 / sml |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 04/05/11 23:45 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 04/05/11 23:45 / sml |

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11030927-007
Client Sample ID: Monitor 8

Report Date: 05/25/11
Collection Date: 03/28/11
Date Received: 03/31/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|------------|-----|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 05/02/11 02:23 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 05/02/11 02:23 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 05/02/11 02:23 / eli-cs |
| Polonium 210 | <0.6 | pCi/L | U | 0.6 | | E912.0 | 04/20/11 08:58 / ep |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 04/20/11 08:58 / ep |
| Polonium 210 MDC | 0.6 | pCi/L | | | | E912.0 | 04/20/11 08:58 / ep |
| Radium 226 | 0.4 | pCi/L | | 0.1 | | E903.0 | 04/11/11 14:29 / plj |
| Radium 226 precision (±) | 0.1 | pCi/L | | | | E903.0 | 04/11/11 14:29 / plj |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 04/11/11 14:29 / plj |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 04/07/11 16:19 / dmf |
| Thorium 230 precision (±) | 0.09 | pCi/L | | | | E908.0 | 04/07/11 16:19 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 04/07/11 16:19 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 05/04/11 23:28 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 05/04/11 23:28 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 05/04/11 23:28 / eli-cs |
| Polonium 210 | <0.2 | pCi/L | U | 0.2 | | E912.0 | 04/27/11 08:38 / ep |
| Polonium 210 precision (±) | 0.07 | pCi/L | | | | E912.0 | 04/27/11 08:38 / ep |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 04/27/11 08:38 / ep |
| Radium 226 | <0.1 | pCi/L | U | 0.1 | | E903.0 | 04/12/11 14:12 / dmf |
| Radium 226 precision (±) | 0.08 | pCi/L | | | | E903.0 | 04/12/11 14:12 / dmf |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 04/12/11 14:12 / dmf |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 04/12/11 08:55 / dmf |
| Thorium 230 precision (±) | 0.08 | pCi/L | | | | E908.0 | 04/12/11 08:55 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 04/12/11 08:55 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 3.53 | % | | | | Calculation | 04/12/11 12:47 / kbh |
| Anions | 20.1 | meq/L | | | | Calculation | 04/12/11 12:47 / kbh |
| Cations | 21.6 | meq/L | | | | Calculation | 04/12/11 12:47 / kbh |
| Solids, Total Dissolved Calculated | 1310 | mg/L | | | | Calculation | 04/12/11 12:47 / kbh |
| TDS Balance (0.80 - 1.20) | 0.960 | | | | | Calculation | 04/12/11 12:47 / kbh |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11030927-008
Client Sample ID: Monitor 9

Report Date: 05/25/11
Collection Date: 03/28/11
Date Received: 03/31/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|------------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 319 | mg/L | | 1 | | A2320 B | 03/31/11 20:10 / jba |
| Carbonate as CO ₃ | 40 | mg/L | | 1 | | A2320 B | 03/31/11 20:10 / jba |
| Bicarbonate as HCO ₃ | 308 | mg/L | | 1 | | A2320 B | 03/31/11 20:10 / jba |
| Calcium | 3 | mg/L | | 1 | | E200.7 | 04/07/11 20:41 / cp |
| Chloride | 318 | mg/L | D | 2 | | E300.0 | 04/05/11 04:21 / ljl |
| Fluoride | 0.8 | mg/L | | 0.1 | | A4500-F C | 04/04/11 15:10 / lr |
| Magnesium | ND | mg/L | | 1 | | E200.7 | 04/07/11 20:41 / cp |
| Nitrogen, Ammonia as N | 0.27 | mg/L | | 0.05 | | A4500-NH ₃ G | 04/04/11 14:22 / dc |
| Nitrogen, Nitrate+Nitrite as N | ND | mg/L | | 0.1 | | E353.2 | 04/01/11 14:27 / dc |
| Potassium | 19 | mg/L | | 1 | | E200.7 | 04/07/11 20:41 / cp |
| Silica | 16.5 | mg/L | | 0.2 | | E200.7 | 04/07/11 20:41 / cp |
| Sodium | 399 | mg/L | | 1 | | E200.7 | 04/07/11 20:41 / cp |
| Sulfate | 84 | mg/L | D | 8 | | E300.0 | 04/05/11 04:21 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 1740 | umhos/cm | | 1 | | A2510 B | 03/31/11 15:12 / lr |
| pH | 9.19 | s.u. | | 0.01 | | A4500-H B | 03/31/11 15:12 / lr |
| Solids, Total Dissolved TDS @ 180 C | 993 | mg/L | | 10 | | A2540 C | 04/01/11 13:54 / lr |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.8 | 03/31/11 18:15 / sml |
| Arsenic | 0.004 | mg/L | | 0.001 | | E200.8 | 03/31/11 18:15 / sml |
| Barium | ND | mg/L | | 0.1 | | E200.8 | 03/31/11 18:15 / sml |
| Boron | 1.0 | mg/L | | 0.1 | | E200.8 | 04/04/11 18:42 / sml |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 03/31/11 18:15 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 03/31/11 18:15 / sml |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 03/31/11 18:15 / sml |
| Iron | ND | mg/L | | 0.03 | | E200.8 | 04/04/11 18:42 / sml |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 03/31/11 18:15 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 03/31/11 18:15 / sml |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 03/31/11 18:15 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 03/31/11 18:15 / sml |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 03/31/11 18:15 / sml |
| Selenium | 0.002 | mg/L | | 0.001 | | E200.8 | 04/04/11 18:42 / sml |
| Uranium | 0.0127 | mg/L | | 0.0003 | | E200.8 | 03/31/11 18:15 / sml |
| Uranium, Activity | 8.6E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 03/31/11 18:15 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 03/31/11 18:15 / sml |
| Zinc | ND | mg/L | | 0.01 | | E200.8 | 03/31/11 18:15 / sml |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 04/05/11 23:49 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 04/05/11 23:49 / sml |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11030927-008
Client Sample ID: Monitor 9

Report Date: 05/25/11
Collection Date: 03/28/11
Date Received: 03/31/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|------------|-----|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 05/02/11 04:34 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 05/02/11 04:34 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 05/02/11 04:34 / eli-cs |
| Polonium 210 | <0.9 | pCi/L | U | 0.9 | | E912.0 | 04/20/11 08:58 / ep |
| Polonium 210 precision (±) | 0.6 | pCi/L | | | | E912.0 | 04/20/11 08:58 / ep |
| Polonium 210 MDC | 0.9 | pCi/L | | | | E912.0 | 04/20/11 08:58 / ep |
| Radium 226 | 0.2 | pCi/L | | 0.1 | | E903.0 | 04/11/11 16:03 / plj |
| Radium 226 precision (±) | 0.1 | pCi/L | | | | E903.0 | 04/11/11 16:03 / plj |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 04/11/11 16:03 / plj |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 04/07/11 16:19 / dmf |
| Thorium 230 precision (±) | 0.08 | pCi/L | | | | E908.0 | 04/07/11 16:19 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 04/07/11 16:19 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 05/05/11 01:39 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 05/05/11 01:39 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 05/05/11 01:39 / eli-cs |
| Polonium 210 | <0.2 | pCi/L | U | 0.2 | | E912.0 | 04/27/11 08:38 / ep |
| Polonium 210 precision (±) | 0.1 | pCi/L | | | | E912.0 | 04/27/11 08:38 / ep |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 04/27/11 08:38 / ep |
| Radium 226 | <0.1 | pCi/L | U | 0.1 | | E903.0 | 04/12/11 14:12 / dmf |
| Radium 226 precision (±) | 0.05 | pCi/L | | | | E903.0 | 04/12/11 14:12 / dmf |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 04/12/11 14:12 / dmf |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 04/12/11 08:55 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 04/12/11 08:55 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 04/12/11 08:55 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 2.53 | % | | | | Calculation | 04/12/11 12:47 / kbh |
| Anions | 17.1 | meq/L | | | | Calculation | 04/12/11 12:47 / kbh |
| Cations | 18.0 | meq/L | | | | Calculation | 04/12/11 12:47 / kbh |
| Solids, Total Dissolved Calculated | 1040 | mg/L | | | | Calculation | 04/12/11 12:47 / kbh |
| TDS Balance (0.80 - 1.20) | 0.950 | | | | | Calculation | 04/12/11 12:47 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11030927-009
Client Sample ID: Monitor 10

Report Date: 05/25/11
Collection Date: 03/28/11
Date Received: 03/31/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|------------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 313 | mg/L | | 1 | | A2320 B | 03/31/11 20:19 / jba |
| Carbonate as CO ₃ | 18 | mg/L | | 1 | | A2320 B | 03/31/11 20:19 / jba |
| Bicarbonate as HCO ₃ | 346 | mg/L | | 1 | | A2320 B | 03/31/11 20:19 / jba |
| Calcium | 8 | mg/L | | 1 | | E200.7 | 04/07/11 20:45 / cp |
| Chloride | 186 | mg/L | D | 2 | | E300.0 | 04/05/11 04:37 / ljl |
| Fluoride | 0.7 | mg/L | | 0.1 | | A4500-F C | 04/04/11 15:12 / lr |
| Magnesium | 2 | mg/L | | 1 | | E200.7 | 04/07/11 20:45 / cp |
| Nitrogen, Ammonia as N | 0.35 | mg/L | | 0.05 | | A4500-NH ₃ G | 04/04/11 14:24 / dc |
| Nitrogen, Nitrate+Nitrite as N | ND | mg/L | | 0.1 | | E353.2 | 04/01/11 14:35 / dc |
| Potassium | 13 | mg/L | | 1 | | E200.7 | 04/07/11 20:45 / cp |
| Silica | 17.8 | mg/L | | 0.2 | | E200.7 | 04/07/11 20:45 / cp |
| Sodium | 438 | mg/L | | 1 | | E200.7 | 04/07/11 20:45 / cp |
| Sulfate | 344 | mg/L | D | 8 | | E300.0 | 04/05/11 04:37 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 1850 | umhos/cm | | 1 | | A2510 B | 03/31/11 15:14 / lr |
| pH | 8.65 | s.u. | | 0.01 | | A4500-H B | 03/31/11 15:14 / lr |
| Solids, Total Dissolved TDS @ 180 C | 1170 | mg/L | | 10 | | A2540 C | 04/01/11 13:54 / lr |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.8 | 03/31/11 18:22 / sml |
| Arsenic | 0.002 | mg/L | | 0.001 | | E200.8 | 03/31/11 18:22 / sml |
| Barium | ND | mg/L | | 0.1 | | E200.8 | 03/31/11 18:22 / sml |
| Boron | 1.0 | mg/L | | 0.1 | | E200.8 | 04/04/11 18:49 / sml |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 03/31/11 18:22 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 03/31/11 18:22 / sml |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 03/31/11 18:22 / sml |
| Iron | ND | mg/L | | 0.03 | | E200.8 | 04/04/11 18:49 / sml |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 03/31/11 18:22 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 03/31/11 18:22 / sml |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 03/31/11 18:22 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 03/31/11 18:22 / sml |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 03/31/11 18:22 / sml |
| Selenium | 0.002 | mg/L | | 0.001 | | E200.8 | 04/04/11 18:49 / sml |
| Uranium | 0.0009 | mg/L | | 0.0003 | | E200.8 | 03/31/11 18:22 / sml |
| Uranium, Activity | 6.0E-10 | uCi/mL | | 2.0E-10 | | E200.8 | 03/31/11 18:22 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 03/31/11 18:22 / sml |
| Zinc | ND | mg/L | | 0.01 | | E200.8 | 03/31/11 18:22 / sml |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 04/05/11 23:53 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 04/05/11 23:53 / sml |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11030927-009
Client Sample ID: Monitor 10

Report Date: 05/25/11
Collection Date: 03/28/11
Date Received: 03/31/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|------------|-----|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 05/02/11 06:45 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 05/02/11 06:45 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 05/02/11 06:45 / eli-cs |
| Polonium 210 | 1.2 | pCi/L | | 0.7 | | E912.0 | 04/20/11 08:58 / ep |
| Polonium 210 precision (±) | 0.8 | pCi/L | | | | E912.0 | 04/20/11 08:58 / ep |
| Polonium 210 MDC | 0.7 | pCi/L | | | | E912.0 | 04/20/11 08:58 / ep |
| Radium 226 | <0.1 | pCi/L | U | 0.1 | | E903.0 | 04/11/11 16:03 / plj |
| Radium 226 precision (±) | 0.07 | pCi/L | | | | E903.0 | 04/11/11 16:03 / plj |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 04/11/11 16:03 / plj |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 04/07/11 16:19 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 04/07/11 16:19 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 04/07/11 16:19 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 05/05/11 03:51 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 05/05/11 03:51 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 05/05/11 03:51 / eli-cs |
| Polonium 210 | <0.2 | pCi/L | U | 0.2 | | E912.0 | 04/27/11 08:38 / ep |
| Polonium 210 precision (±) | 0.1 | pCi/L | | | | E912.0 | 04/27/11 08:38 / ep |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 04/27/11 08:38 / ep |
| Radium 226 | <0.1 | pCi/L | U | 0.1 | | E903.0 | 04/12/11 14:12 / dmf |
| Radium 226 precision (±) | 0.06 | pCi/L | | | | E903.0 | 04/12/11 14:12 / dmf |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 04/12/11 14:12 / dmf |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 04/12/11 08:55 / dmf |
| Thorium 230 precision (±) | 0.09 | pCi/L | | | | E908.0 | 04/12/11 08:55 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 04/12/11 08:55 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 3.18 | % | | | | Calculation | 04/12/11 12:47 / kbh |
| Anions | 18.7 | meq/L | | | | Calculation | 04/12/11 12:47 / kbh |
| Cations | 19.9 | meq/L | | | | Calculation | 04/12/11 12:47 / kbh |
| Solids, Total Dissolved Calculated | 1200 | mg/L | | | | Calculation | 04/12/11 12:47 / kbh |
| TDS Balance (0.80 - 1.20) | 0.980 | | | | | Calculation | 04/12/11 12:47 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11030927-010
Client Sample ID: Monitor 11

Report Date: 05/25/11
Collection Date: 03/28/11
Date Received: 03/31/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|------------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 347 | mg/L | | 1 | | A2320 B | 03/31/11 20:28 / jba |
| Carbonate as CO ₃ | 74 | mg/L | | 1 | | A2320 B | 03/31/11 20:28 / jba |
| Bicarbonate as HCO ₃ | 272 | mg/L | | 1 | | A2320 B | 03/31/11 20:28 / jba |
| Calcium | 4 | mg/L | | 1 | | E200.7 | 04/07/11 21:45 / cp |
| Chloride | 452 | mg/L | D | 2 | | E300.0 | 04/05/11 04:52 / ljl |
| Fluoride | 0.8 | mg/L | | 0.1 | | A4500-F C | 04/04/11 15:23 / lr |
| Magnesium | ND | mg/L | | 1 | | E200.7 | 04/07/11 21:45 / cp |
| Nitrogen, Ammonia as N | 0.27 | mg/L | | 0.05 | | A4500-NH ₃ G | 04/04/11 14:26 / dc |
| Nitrogen, Nitrate+Nitrite as N | ND | mg/L | | 0.1 | | E353.2 | 04/01/11 14:37 / dc |
| Potassium | 29 | mg/L | | 1 | | E200.7 | 04/07/11 21:45 / cp |
| Silica | 15.0 | mg/L | | 0.2 | | E200.7 | 04/07/11 21:45 / cp |
| Sodium | 522 | mg/L | | 1 | | E200.7 | 04/07/11 21:45 / cp |
| Sulfate | 132 | mg/L | D | 8 | | E300.0 | 04/05/11 04:52 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 2300 | umhos/cm | | 1 | | A2510 B | 03/31/11 15:16 / lr |
| pH | 9.47 | s.u. | | 0.01 | | A4500-H B | 03/31/11 15:16 / lr |
| Solids, Total Dissolved TDS @ 180 C | 1330 | mg/L | | 10 | | A2540 C | 04/01/11 13:54 / lr |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | 0.1 | mg/L | | 0.1 | | E200.8 | 03/31/11 18:29 / sml |
| Arsenic | 0.004 | mg/L | | 0.001 | | E200.8 | 03/31/11 18:29 / sml |
| Barium | ND | mg/L | | 0.1 | | E200.8 | 03/31/11 18:29 / sml |
| Boron | 1.0 | mg/L | | 0.1 | | E200.8 | 04/04/11 18:56 / sml |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 03/31/11 18:29 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 03/31/11 18:29 / sml |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 03/31/11 18:29 / sml |
| Iron | ND | mg/L | | 0.03 | | E200.8 | 04/04/11 18:56 / sml |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 03/31/11 18:29 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 03/31/11 18:29 / sml |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 03/31/11 18:29 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 03/31/11 18:29 / sml |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 03/31/11 18:29 / sml |
| Selenium | 0.002 | mg/L | | 0.001 | | E200.8 | 04/04/11 18:56 / sml |
| Uranium | 0.0013 | mg/L | | 0.0003 | | E200.8 | 03/31/11 18:29 / sml |
| Uranium, Activity | 8.8E-10 | uCi/mL | | 2.0E-10 | | E200.8 | 03/31/11 18:29 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 03/31/11 18:29 / sml |
| Zinc | ND | mg/L | | 0.01 | | E200.8 | 03/31/11 18:29 / sml |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 04/05/11 23:57 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 04/05/11 23:57 / sml |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11030927-010
Client Sample ID: Monitor 11

Report Date: 05/25/11
Collection Date: 03/28/11
Date Received: 03/31/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|------------|-----|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 05/02/11 08:57 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 05/02/11 08:57 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 05/02/11 08:57 / eli-cs |
| Polonium 210 | <0.6 | pCi/L | U | 0.6 | | E912.0 | 04/20/11 08:58 / ep |
| Polonium 210 precision (±) | 0.5 | pCi/L | | | | E912.0 | 04/20/11 08:58 / ep |
| Polonium 210 MDC | 0.6 | pCi/L | | | | E912.0 | 04/20/11 08:58 / ep |
| Radium 226 | <0.2 | pCi/L | U | 0.2 | | E903.0 | 04/11/11 16:03 / plj |
| Radium 226 precision (±) | 0.1 | pCi/L | | | | E903.0 | 04/11/11 16:03 / plj |
| Radium 226 MDC | 0.2 | pCi/L | | | | E903.0 | 04/11/11 16:03 / plj |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 04/07/11 16:19 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 04/07/11 16:19 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 04/07/11 16:19 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 05/05/11 06:02 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 05/05/11 06:02 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 05/05/11 06:02 / eli-cs |
| Polonium 210 | <0.2 | pCi/L | U | 0.2 | | E912.0 | 04/27/11 08:38 / ep |
| Polonium 210 precision (±) | 0.1 | pCi/L | | | | E912.0 | 04/27/11 08:38 / ep |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 04/27/11 08:38 / ep |
| Radium 226 | <0.1 | pCi/L | U | 0.1 | | E903.0 | 04/12/11 14:12 / dmf |
| Radium 226 precision (±) | 0.06 | pCi/L | | | | E903.0 | 04/12/11 14:12 / dmf |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 04/12/11 14:12 / dmf |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 04/12/11 08:55 / dmf |
| Thorium 230 precision (±) | 0.08 | pCi/L | | | | E908.0 | 04/12/11 08:55 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 04/12/11 08:55 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 2.78 | % | | | | Calculation | 04/12/11 12:47 / kbh |
| Anions | 22.5 | meq/L | | | | Calculation | 04/12/11 12:47 / kbh |
| Cations | 23.8 | meq/L | | | | Calculation | 04/12/11 12:47 / kbh |
| Solids, Total Dissolved Calculated | 1370 | mg/L | | | | Calculation | 04/12/11 12:47 / kbh |
| TDS Balance (0.80 - 1.20) | 0.970 | | | | | Calculation | 04/12/11 12:47 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/25/11

Project: Marsland Baseline Samples

Work Order: C11030927

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|------------------------------|-------|---------------------------|-------|-----|------|----------------------|------------|-----|----------------|------|
| Method: A2320 B | | | | | | | | | Batch: R144369 | |
| Sample ID: MBLK | 3 | Method Blank | | | | Run: MANTECH_110331A | | | 03/31/11 15:40 | |
| Alkalinity, Total as CaCO3 | | 3.00 | mg/L | 1.0 | | | | | | |
| Carbonate as CO3 | | ND | mg/L | 1.0 | | | | | | |
| Bicarbonate as HCO3 | | 3.66 | mg/L | 1.0 | | | | | | |
| Sample ID: LCS | | Laboratory Control Sample | | | | Run: MANTECH_110331A | | | 03/31/11 15:55 | |
| Alkalinity, Total as CaCO3 | | 209 | mg/L | 5.0 | 103 | 90 | 110 | | | |
| Sample ID: C11030927-010ADUP | | Sample Duplicate | | | | Run: MANTECH_110331A | | | 03/31/11 20:37 | |
| Alkalinity, Total as CaCO3 | | 349 | mg/L | 5.0 | | | | 0.6 | 10 | |
| Sample ID: C11030927-010AMS | | Sample Matrix Spike | | | | Run: MANTECH_110331A | | | 03/31/11 20:46 | |
| Alkalinity, Total as CaCO3 | | 488 | mg/L | 5.0 | 113 | 80 | 120 | | | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples

Report Date: 05/25/11
Work Order: C11030927

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|---|----------|-----|------|-----------|-------------------------------------|-----|----------|----------------|
| Method: A2510 B | | | | | | | Analytical Run: ORION555A-2_110331B | | | |
| Sample ID: ICV2_110331_2 | | Initial Calibration Verification Standard | | | | | | | | 03/31/11 14:32 |
| Conductivity @ 25 C | | 1380 | umhos/cm | 1.0 | 98 | 90 | 110 | | | |
| Method: A2510 B | | | | | | | Batch: 110331_2_PH-W_555A-2 | | | |
| Sample ID: MBLK1_110331_2 | | Method Blank | | | | | | | | 03/31/11 14:29 |
| Conductivity @ 25 C | | ND | umhos/cm | 1.0 | | | | | | |
| Sample ID: C11030927-002ADUP | | Sample Duplicate | | | | | | | | 03/31/11 15:02 |
| Conductivity @ 25 C | | 1360 | umhos/cm | 1.0 | | | | 0.1 | 10 | |

Qualifiers:

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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/25/11

Project: Marsland Baseline Samples

Work Order: C11030927

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|---------------------------|-------|----|------|--------------------|------------|----------------------------|----------|------|
| Method: A2540 C | | | | | | | | Batch: 110401_1_SLDS-TDS-W | | |
| Sample ID: MBLK1_110401 | | Method Blank | | | | Run: BAL-1_110401B | | 04/01/11 13:45 | | |
| Solids, Total Dissolved TDS @ 180 C | | ND | mg/L | 10 | | | | | | |
| Sample ID: LCS1_110401 | | Laboratory Control Sample | | | | Run: BAL-1_110401B | | 04/01/11 13:45 | | |
| Solids, Total Dissolved TDS @ 180 C | | 980 | mg/L | 10 | 98 | 90 | 110 | | | |
| Sample ID: C11030927-010BDUP | | Sample Duplicate | | | | Run: BAL-1_110401B | | 04/01/11 13:54 | | |
| Solids, Total Dissolved TDS @ 180 C | | 1320 | mg/L | 10 | | | | 0.6 | 10 | |
| Sample ID: C11030946-001AMS | | Sample Matrix Spike | | | | Run: BAL-1_110401B | | 04/01/11 13:57 | | |
| Solids, Total Dissolved TDS @ 180 C | | 2370 | mg/L | 10 | 97 | 90 | 110 | | | |

Qualifiers:

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MDC - Minimum detectable concentration



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/25/11

Project: Marsland Baseline Samples

Work Order: C11030927

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------------------------------|--------|-------|------|------|-----------|------------|-----|----------|-------------------------------------|
| Method: A4500-F C | | | | | | | | | | Batch: R144428 |
| Sample ID: MBLK | Method Blank | | | | | | | | | |
| Fluoride | | ND | mg/L | 0.10 | | | | | | Run: MANTECH_110404A 04/04/11 10:44 |
| Sample ID: LCS | Laboratory Control Sample | | | | | | | | | |
| Fluoride | | 1.04 | mg/L | 0.10 | 102 | 90 | 110 | | | Run: MANTECH_110404A 04/04/11 10:46 |
| Sample ID: C11030927-009AMS | Sample Matrix Spike | | | | | | | | | |
| Fluoride | | 1.68 | mg/L | 0.10 | 99 | 80 | 120 | | | Run: MANTECH_110404A 04/04/11 15:16 |
| Sample ID: C11030927-009AMSD | Sample Matrix Spike Duplicate | | | | | | | | | |
| Fluoride | | 1.71 | mg/L | 0.10 | 102 | 80 | 120 | 1.8 | 10 | Run: MANTECH_110404A 04/04/11 15:19 |

Qualifiers:

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MDC - Minimum detectable concentration



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/25/11

Project: Marsland Baseline Samples

Work Order: C11030927

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|---|-------|-------|------|-----------|-------------------------------------|-----|----------|----------------|
| Method: A4500-H B | | | | | | | Analytical Run: ORION555A-2_110331B | | | |
| Sample ID: ICV1_110331_2 | | Initial Calibration Verification Standard | | | | | | | | 03/31/11 14:30 |
| pH | | 6.92 | s.u. | 0.010 | 101 | 98 | 102 | | | |
| Method: A4500-H B | | | | | | | Batch: 110331_2_PH-W_555A-2 | | | |
| Sample ID: C11030927-002ADUP | | Sample Duplicate | | | | | | | | 03/31/11 15:02 |
| pH | | 8.26 | s.u. | 0.010 | | | | 0.1 | 3 | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/25/11

Project: Marsland Baseline Samples

Work Order: C11030927

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------------------------------|--------|-------|------------------------|------|-----------|----------------|-----|----------|----------------|
| Method: A4500-NH3 G | | | | | | | | | | Batch: R144415 |
| Sample ID: MBLK-1 | Method Blank | | | Run: TECHNICON_110404A | | | 04/04/11 13:58 | | | |
| Nitrogen, Ammonia as N | | ND | mg/L | 0.050 | | | | | | |
| Sample ID: LCS-2 | Laboratory Control Sample | | | Run: TECHNICON_110404A | | | 04/04/11 14:00 | | | |
| Nitrogen, Ammonia as N | | 2.02 | mg/L | 0.050 | 101 | 90 | 110 | | | |
| Sample ID: C11030927-005GMS | Sample Matrix Spike | | | Run: TECHNICON_110404A | | | 04/04/11 14:12 | | | |
| Nitrogen, Ammonia as N | | 2.17 | mg/L | 0.050 | 91 | 80 | 120 | | | |
| Sample ID: C11030927-005GMSD | Sample Matrix Spike Duplicate | | | Run: TECHNICON_110404A | | | 04/04/11 14:14 | | | |
| Nitrogen, Ammonia as N | | 2.19 | mg/L | 0.050 | 92 | 80 | 120 | 0.9 | 10 | |

Qualifiers:

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MDC - Minimum detectable concentration



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/25/11

Project: Marsland Baseline Samples

Work Order: C11030927

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|-------|------|-----------|---------------------|-----|----------|----------------|
| Method: E200.7 | | | | | | | | | | Batch: R144604 |
| Sample ID: MB-110407A | 8 | Method Blank | | | | | Run: ICP2-C_110407A | | | 04/07/11 17:50 |
| Aluminum | | ND | mg/L | 0.10 | | | | | | |
| Boron | | ND | mg/L | 0.10 | | | | | | |
| Calcium | | ND | mg/L | 1.0 | | | | | | |
| Iron | | ND | mg/L | 0.030 | | | | | | |
| Magnesium | | ND | mg/L | 1.0 | | | | | | |
| Potassium | | ND | mg/L | 1.0 | | | | | | |
| Silicon | | ND | mg/L | 0.10 | | | | | | |
| Sodium | | ND | mg/L | 1.0 | | | | | | |
| Sample ID: LFB-110407A | 8 | Laboratory Fortified Blank | | | | | Run: ICP2-C_110407A | | | 04/07/11 17:55 |
| Aluminum | | 0.944 | mg/L | 0.10 | 94 | 85 | 115 | | | |
| Boron | | 0.941 | mg/L | 0.10 | 92 | 85 | 115 | | | |
| Calcium | | 47.7 | mg/L | 0.50 | 95 | 85 | 115 | | | |
| Iron | | 0.957 | mg/L | 0.030 | 95 | 85 | 115 | | | |
| Magnesium | | 47.8 | mg/L | 0.50 | 96 | 85 | 115 | | | |
| Potassium | | 43.3 | mg/L | 0.50 | 87 | 85 | 115 | | | |
| Silicon | | 0.411 | mg/L | 0.10 | 87 | 85 | 115 | | | |
| Sodium | | 48.5 | mg/L | 0.50 | 97 | 85 | 115 | | | |
| Sample ID: C11030827-003DMS2 | 8 | Sample Matrix Spike | | | | | Run: ICP2-C_110407A | | | 04/07/11 19:24 |
| Aluminum | | 1.98 | mg/L | 0.10 | 95 | 70 | 130 | | | |
| Boron | | 2.05 | mg/L | 0.10 | 96 | 70 | 130 | | | |
| Calcium | | 107 | mg/L | 1.0 | 94 | 70 | 130 | | | |
| Iron | | 1.99 | mg/L | 0.030 | 96 | 70 | 130 | | | |
| Magnesium | | 97.1 | mg/L | 1.0 | 95 | 70 | 130 | | | |
| Potassium | | 94.5 | mg/L | 1.0 | 90 | 70 | 130 | | | |
| Silicon | | 6.53 | mg/L | 0.10 | | 70 | 130 | | | A |
| Sodium | | 228 | mg/L | 1.0 | 101 | 70 | 130 | | | |
| Sample ID: C11030827-003DMSD | 8 | Sample Matrix Spike Duplicate | | | | | Run: ICP2-C_110407A | | | 04/07/11 19:28 |
| Aluminum | | 2.00 | mg/L | 0.10 | 96 | 70 | 130 | 0.9 | 20 | |
| Boron | | 2.10 | mg/L | 0.10 | 98 | 70 | 130 | 2.6 | 20 | |
| Calcium | | 109 | mg/L | 1.0 | 95 | 70 | 130 | 1.7 | 20 | |
| Iron | | 2.02 | mg/L | 0.030 | 98 | 70 | 130 | 1.1 | 20 | |
| Magnesium | | 98.4 | mg/L | 1.0 | 96 | 70 | 130 | 1.4 | 20 | |
| Potassium | | 92.9 | mg/L | 1.0 | 88 | 70 | 130 | 1.7 | 20 | |
| Silicon | | 6.60 | mg/L | 0.10 | | 70 | 130 | 1.1 | 20 | A |
| Sodium | | 226 | mg/L | 1.0 | 98 | 70 | 130 | 1.3 | 20 | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/25/11

Project: Marsland Baseline Samples

Work Order: C11030927

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|----------------------------|-------|---------|------|-----------------------|------------|-----|----------|----------------|
| Method: E200.8 | | | | | | | | | | Batch: R144310 |
| Sample ID: LRB | 15 | Method Blank | | | | Run: ICPMS2-C_110331A | | | | 03/31/11 12:20 |
| Aluminum | | ND | mg/L | 0.10 | | | | | | |
| Arsenic | | ND | mg/L | 0.0010 | | | | | | |
| Barium | | ND | mg/L | 0.10 | | | | | | |
| Cadmium | | ND | mg/L | 0.0050 | | | | | | |
| Chromium | | ND | mg/L | 0.050 | | | | | | |
| Copper | | ND | mg/L | 0.010 | | | | | | |
| Lead | | ND | mg/L | 0.0010 | | | | | | |
| Manganese | | ND | mg/L | 0.010 | | | | | | |
| Mercury | | ND | mg/L | 0.0010 | | | | | | |
| Molybdenum | | ND | mg/L | 0.10 | | | | | | |
| Nickel | | ND | mg/L | 0.050 | | | | | | |
| Selenium | | ND | mg/L | 0.0010 | | | | | | |
| Uranium | | ND | mg/L | 0.00030 | | | | | | |
| Vanadium | | ND | mg/L | 0.10 | | | | | | |
| Zinc | | ND | mg/L | 0.010 | | | | | | |
| Sample ID: LFB | 15 | Laboratory Fortified Blank | | | | Run: ICPMS2-C_110331A | | | | 03/31/11 12:27 |
| Aluminum | | 0.0477 | mg/L | 0.0010 | 95 | 85 | 115 | | | |
| Arsenic | | 0.0533 | mg/L | 0.0010 | 107 | 85 | 115 | | | |
| Barium | | 0.0522 | mg/L | 0.0010 | 104 | 85 | 115 | | | |
| Cadmium | | 0.0527 | mg/L | 0.0010 | 105 | 85 | 115 | | | |
| Chromium | | 0.0507 | mg/L | 0.0010 | 101 | 85 | 115 | | | |
| Copper | | 0.0516 | mg/L | 0.0010 | 103 | 85 | 115 | | | |
| Lead | | 0.0514 | mg/L | 0.0010 | 103 | 85 | 115 | | | |
| Manganese | | 0.0507 | mg/L | 0.0010 | 101 | 85 | 115 | | | |
| Mercury | | 0.00525 | mg/L | 0.0010 | 105 | 85 | 115 | | | |
| Molybdenum | | 0.0510 | mg/L | 0.0010 | 102 | 85 | 115 | | | |
| Nickel | | 0.0515 | mg/L | 0.0010 | 103 | 85 | 115 | | | |
| Selenium | | 0.0555 | mg/L | 0.0010 | 111 | 85 | 115 | | | |
| Uranium | | 0.0526 | mg/L | 0.00030 | 105 | 85 | 115 | | | |
| Vanadium | | 0.0495 | mg/L | 0.0010 | 99 | 85 | 115 | | | |
| Zinc | | 0.0535 | mg/L | 0.0010 | 107 | 85 | 115 | | | |
| Sample ID: C11030927-010CMS4 | 15 | Sample Matrix Spike | | | | Run: ICPMS2-C_110331A | | | | 03/31/11 18:36 |
| Aluminum | | 0.156 | mg/L | 0.10 | 94 | 70 | 130 | | | |
| Arsenic | | 0.0612 | mg/L | 0.0010 | 115 | 70 | 130 | | | |
| Barium | | 0.0877 | mg/L | 0.0010 | 114 | 70 | 130 | | | |
| Cadmium | | 0.0513 | mg/L | 0.010 | 103 | 70 | 130 | | | |
| Chromium | | 0.0565 | mg/L | 0.050 | 93 | 70 | 130 | | | |
| Copper | | 0.0484 | mg/L | 0.010 | 97 | 70 | 130 | | | |
| Lead | | 0.0552 | mg/L | 0.050 | 110 | 70 | 130 | | | |
| Manganese | | 0.0518 | mg/L | 0.010 | 102 | 70 | 130 | | | |
| Mercury | | 0.00320 | mg/L | 0.0010 | 64 | 70 | 130 | | | S |
| Molybdenum | | 0.0647 | mg/L | 0.0010 | 105 | 70 | 130 | | | |
| Nickel | | 0.0488 | mg/L | 0.0010 | 98 | 70 | 130 | | | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/25/11

Project: Marsland Baseline Samples

Work Order: C11030927

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|------------|---------|------|-----------|-----------------------|-----|----------|----------------|
| Method: E200.8 | | | | | | | | | | Batch: R144310 |
| Sample ID: C11030927-010CMS4 | 15 | Sample Matrix Spike | | | | | Run: ICPMS2-C_110331A | | | 03/31/11 18:36 |
| Selenium | | 0.0614 | mg/L | 0.0010 | 117 | 70 | 130 | | | |
| Uranium | | 0.0617 | mg/L | 0.00030 | 121 | 70 | 130 | | | |
| Vanadium | | 0.0557 | mg/L | 0.0010 | 101 | 70 | 130 | | | |
| Zinc | | 0.0542 | mg/L | 0.010 | 103 | 70 | 130 | | | |
| Sample ID: C11030927-010CMSD | 15 | Sample Matrix Spike Duplicate | | | | | Run: ICPMS2-C_110331A | | | 03/31/11 18:42 |
| Aluminum | | 0.154 | mg/L | 0.10 | 92 | 70 | 130 | 0.8 | | 20 |
| Arsenic | | 0.0618 | mg/L | 0.0010 | 116 | 70 | 130 | 1.0 | | 20 |
| Barium | | 0.0885 | mg/L | 0.0010 | 116 | 70 | 130 | 0.9 | | 20 |
| Cadmium | | 0.0514 | mg/L | 0.010 | 103 | 70 | 130 | 0.3 | | 20 |
| Chromium | | 0.0572 | mg/L | 0.050 | 94 | 70 | 130 | 1.2 | | 20 |
| Copper | | 0.0482 | mg/L | 0.010 | 96 | 70 | 130 | 0.5 | | 20 |
| Lead | | 0.0547 | mg/L | 0.050 | 109 | 70 | 130 | 0.9 | | 20 |
| Manganese | | 0.0513 | mg/L | 0.010 | 101 | 70 | 130 | 1.1 | | 20 |
| Mercury | | 0.00363 | mg/L | 0.0010 | 73 | 70 | 130 | 13 | | 20 |
| Molybdenum | | 0.0655 | mg/L | 0.0010 | 106 | 70 | 130 | 1.3 | | 20 |
| Nickel | | 0.0481 | mg/L | 0.0010 | 96 | 70 | 130 | 1.4 | | 20 |
| Selenium | | 0.0615 | mg/L | 0.0010 | 117 | 70 | 130 | 0.2 | | 20 |
| Uranium | | 0.0627 | mg/L | 0.00030 | 123 | 70 | 130 | 1.6 | | 20 |
| Vanadium | | 0.0554 | mg/L | 0.0010 | 101 | 70 | 130 | 0.5 | | 20 |
| Zinc | | 0.0519 | mg/L | 0.010 | 98 | 70 | 130 | 4.4 | | 20 |
| Method: E200.8 | | | | | | | | | | Batch: 29445A |
| Sample ID: MB-29445 | | Method Blank | | | | | Run: ICPMS2-C_110405A | | | 04/05/11 22:47 |
| Uranium | | ND | pCi/Filter | 0.00030 | | | | | | |
| Sample ID: LCS2-29445 | | Laboratory Control Sample | | | | | Run: ICPMS2-C_110405A | | | 04/05/11 22:51 |
| Uranium | | 0.103 | pCi/Filter | 0.00030 | 103 | 85 | 115 | | | |
| Sample ID: C11030932-003AMS | | Sample Matrix Spike | | | | | Run: ICPMS2-C_110405A | | | 04/06/11 00:30 |
| Uranium | | 0.0605 | pCi/Filter | 0.00030 | 121 | 70 | 130 | | | |
| Sample ID: C11030932-003AMSD | | Sample Matrix Spike Duplicate | | | | | Run: ICPMS2-C_110405A | | | 04/06/11 00:34 |
| Uranium | | 0.0599 | pCi/Filter | 0.00030 | 120 | 70 | 130 | 1.0 | | 20 |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/25/11

Project: Marsland Baseline Samples

Work Order: C11030927

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|--------|------|-----------------------|------------|-----|----------|-----------------|
| Method: E200.8 | | | | | | | | | | Batch: R144419A |
| Sample ID: C11040039-001CMS4 | 3 | Sample Matrix Spike | | | | Run: ICPMS4-C_110404A | | | | 04/04/11 19:51 |
| Boron | | 0.0798 | mg/L | 0.0010 | 85 | 70 | 130 | | | |
| Iron | | 1.25 | mg/L | 0.030 | 98 | 70 | 130 | | | |
| Selenium | | 0.0537 | mg/L | 0.0010 | 104 | 70 | 130 | | | |
| Sample ID: C11040039-001CMSD | 3 | Sample Matrix Spike Duplicate | | | | Run: ICPMS4-C_110404A | | | | 04/04/11 19:58 |
| Boron | | 0.0797 | mg/L | 0.0010 | 85 | 70 | 130 | 0.1 | 20 | |
| Iron | | 1.27 | mg/L | 0.030 | 100 | 70 | 130 | 1.9 | 20 | |
| Selenium | | 0.0549 | mg/L | 0.0010 | 107 | 70 | 130 | 2.3 | 20 | |
| Sample ID: LRB | 3 | Method Blank | | | | Run: ICPMS4-C_110404A | | | | 04/04/11 12:28 |
| Boron | | ND | mg/L | 0.10 | | | | | | |
| Iron | | ND | mg/L | 0.030 | | | | | | |
| Selenium | | ND | mg/L | 0.0010 | | | | | | |
| Sample ID: LFB | 3 | Laboratory Fortified Blank | | | | Run: ICPMS4-C_110404A | | | | 04/04/11 12:35 |
| Boron | | 0.0516 | mg/L | 0.0010 | 103 | 85 | 115 | | | |
| Iron | | 1.29 | mg/L | 0.012 | 103 | 85 | 115 | | | |
| Selenium | | 0.0539 | mg/L | 0.0010 | 108 | 85 | 115 | | | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/25/11

Project: Marsland Baseline Samples

Work Order: C11030927

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|---|-------|-----|------|-----------|------------|-----|----------|-------------------------------|
| Method: E300.0 | | | | | | | | | | Analytical Run: IC2-C_110331A |
| Sample ID: ICV | 2 | Initial Calibration Verification Standard | | | | | | | | 03/31/11 13:46 |
| Chloride | | 9.92 | mg/L | 1.0 | 99 | 90 | 110 | | | |
| Sulfate | | 40.3 | mg/L | 1.0 | 101 | 90 | 110 | | | |
| Method: E300.0 | | | | | | | | | | Batch: R144391 |
| Sample ID: MBLK | 2 | Method Blank | | | | | | | | 03/31/11 14:01 |
| Chloride | | ND | mg/L | 1.0 | | | | | | |
| Sulfate | | ND | mg/L | 4.0 | | | | | | |
| Sample ID: LFB | 2 | Laboratory Fortified Blank | | | | | | | | 03/31/11 15:03 |
| Chloride | | 12.4 | mg/L | 1.0 | 99 | 90 | 110 | | | |
| Sulfate | | 50.9 | mg/L | 1.0 | 101 | 90 | 110 | | | |
| Sample ID: LCS | 2 | Laboratory Control Sample | | | | | | | | 03/31/11 21:28 |
| Chloride | | 9.94 | mg/L | 1.0 | 99 | 90 | 110 | | | |
| Sulfate | | 40.3 | mg/L | 1.0 | 100 | 90 | 110 | | | |
| Sample ID: C11030916-005AMS | 2 | Sample Matrix Spike | | | | | | | | 04/02/11 05:24 |
| Chloride | | 21.8 | mg/L | 1.0 | 100 | 80 | 120 | | | |
| Sulfate | | 92.9 | mg/L | 1.6 | 102 | 80 | 120 | | | |
| Sample ID: C11030916-005AMSD | 2 | Sample Matrix Spike Duplicate | | | | | | | | 04/02/11 05:39 |
| Chloride | | 22.2 | mg/L | 1.0 | 103 | 80 | 120 | 2.0 | 10 | |
| Sulfate | | 94.4 | mg/L | 1.6 | 104 | 80 | 120 | 1.5 | 10 | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/25/11

Project: Marsland Baseline Samples

Work Order: C11030927

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|---|-------|-----|------|-----------|------------|-------------------------------|----------|----------------|
| Method: E300.0 | | | | | | | | Analytical Run: IC2-C_110404A | | |
| Sample ID: ICV | 2 | Initial Calibration Verification Standard | | | | | | | | 04/04/11 17:49 |
| Chloride | | 9.93 | mg/L | 1.0 | 99 | 90 | 110 | | | |
| Sulfate | | 40.2 | mg/L | 1.0 | 101 | 90 | 110 | | | |
| Method: E300.0 | | | | | | | | Batch: R144472 | | |
| Sample ID: MBLK | 2 | Method Blank | | | | | | | | 04/04/11 18:04 |
| Chloride | | ND | mg/L | 1.0 | | | | | | |
| Sulfate | | ND | mg/L | 4.0 | | | | | | |
| Method: E300.0 | | | | | | | | Run: IC2-C_110404A | | |
| Sample ID: LFB | 2 | Laboratory Fortified Blank | | | | | | | | 04/04/11 18:35 |
| Chloride | | 12.2 | mg/L | 1.0 | 97 | 90 | 110 | | | |
| Sulfate | | 50.2 | mg/L | 1.0 | 100 | 90 | 110 | | | |
| Method: E300.0 | | | | | | | | Run: IC2-C_110404A | | |
| Sample ID: LCS | 2 | Laboratory Control Sample | | | | | | | | 04/05/11 02:02 |
| Chloride | | 10.0 | mg/L | 1.0 | 100 | 90 | 110 | | | |
| Sulfate | | 40.5 | mg/L | 1.0 | 101 | 90 | 110 | | | |
| Method: E300.0 | | | | | | | | Run: IC2-C_110404A | | |
| Sample ID: C11030927-003AMS | 2 | Sample Matrix Spike | | | | | | | | 04/05/11 03:04 |
| Chloride | | 348 | mg/L | 2.0 | 102 | 80 | 120 | | | |
| Sulfate | | 511 | mg/L | 8.0 | 102 | 80 | 120 | | | |
| Method: E300.0 | | | | | | | | Run: IC2-C_110404A | | |
| Sample ID: C11030927-003AMSD | 2 | Sample Matrix Spike Duplicate | | | | | | | | 04/05/11 03:19 |
| Chloride | | 344 | mg/L | 2.0 | 97 | 80 | 120 | 1.2 | 10 | |
| Sulfate | | 509 | mg/L | 8.0 | 101 | 80 | 120 | 0.4 | 10 | |

Qualifiers:

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MDC - Minimum detectable concentration



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/25/11

Project: Marsland Baseline Samples

Work Order: C11030927

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|------|------|------------------------|------------|----------------|----------|----------------|
| Method: E353.2 | | | | | | | | | | Batch: R144366 |
| Sample ID: MBLK-1 | | | | | | | | | | |
| | | Method Blank | | | | Run: TECHNICON_110401A | | 04/01/11 12:35 | | |
| Nitrogen, Nitrate+Nitrite as N | | ND | mg/L | 0.10 | | | | | | |
| Sample ID: LCS-2 | | | | | | | | | | |
| | | Laboratory Control Sample | | | | Run: TECHNICON_110401A | | 04/01/11 12:37 | | |
| Nitrogen, Nitrate+Nitrite as N | | 2.55 | mg/L | 0.10 | 102 | 90 | 110 | | | |
| Sample ID: C11030927-003GMS | | | | | | | | | | |
| | | Sample Matrix Spike | | | | Run: TECHNICON_110401A | | 04/01/11 14:09 | | |
| Nitrogen, Nitrate+Nitrite as N | | 2.07 | mg/L | 0.10 | 106 | 90 | 110 | | | |
| Sample ID: C11030927-003GMSD | | | | | | | | | | |
| | | Sample Matrix Spike Duplicate | | | | Run: TECHNICON_110401A | | 04/01/11 14:12 | | |
| Nitrogen, Nitrate+Nitrite as N | | 2.06 | mg/L | 0.10 | 105 | 90 | 110 | 0.5 | 10 | |

Qualifiers:

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MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples

Report Date: 05/25/11
Work Order: C11030927

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------------------------------|--------------|-------|------|------|-----------------------------|------------|----------------|----------|-------------------|
| Method: E903.0 | | | | | | | | | | Batch: 29445 |
| Sample ID: C11030927-004HMS | Sample Matrix Spike | | | | | Run: BERTHOLD 770-1_110406A | | 04/12/11 09:19 | | |
| Radium 226 | 11 | pCi/L | | 104 | | 70 | 130 | | | |
| Sample ID: C11030927-004HMSD | Sample Matrix Spike Duplicate | | | | | Run: BERTHOLD 770-1_110406A | | 04/12/11 09:19 | | |
| Radium 226 | 10 | pCi/L | | 98 | | 70 | 130 | 6.4 | | 26.1 |
| Sample ID: LCS-29445 | Laboratory Control Sample | | | | | Run: BERTHOLD 770-1_110406A | | 04/12/11 14:12 | | |
| Radium 226 | 11 | pCi/L | | 95 | | 85 | 115 | | | |
| Sample ID: MB-29445 | 3 | Method Blank | | | | Run: BERTHOLD 770-1_110406A | | 04/12/11 14:12 | | |
| Radium 226 | | ND | pCi/L | 0.10 | | | | | | U |
| Radium 226 precision (\pm) | | 0.13 | pCi/L | | | | | | | |
| Radium 226 MDC | | 0.32 | pCi/L | | | | | | | |
| Method: E903.0 | | | | | | | | | | Batch: RA226-5278 |
| Sample ID: C11030927-001DMS | Sample Matrix Spike | | | | | Run: BERTHOLD 770-2_110404A | | 04/11/11 14:29 | | |
| Radium 226 | 33 | pCi/L | | 117 | | 70 | 130 | | | |
| Sample ID: C11030927-001DMSD | Sample Matrix Spike Duplicate | | | | | Run: BERTHOLD 770-2_110404A | | 04/11/11 14:29 | | |
| Radium 226 | 32 | pCi/L | | 110 | | 70 | 130 | 2.6 | | 19.9 |
| Sample ID: LCS-RA226-5278 | Laboratory Control Sample | | | | | Run: BERTHOLD 770-2_110404A | | 04/11/11 16:03 | | |
| Radium 226 | 6.7 | pCi/L | | 106 | | 85 | 115 | | | |
| Sample ID: MB-RA226-5278 | 3 | Method Blank | | | | Run: BERTHOLD 770-2_110404A | | 04/11/11 16:03 | | |
| Radium 226 | | ND | pCi/L | 0.10 | | | | | | U |
| Radium 226 precision (\pm) | | 0.095 | pCi/L | | | | | | | |
| Radium 226 MDC | | 0.19 | pCi/L | | | | | | | |

Qualifiers:

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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples

Report Date: 05/25/11
Work Order: C11030927

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|--------------------------------------|-------------------------------|--------------|-------|-------|------|------------------------|------------|-----|----------|-----------------------|
| Method: E908.0 | | | | | | | | | | Batch: RA-TH-ISO-1358 |
| Sample ID: LCS-RA-TH-ISO-1358 | Laboratory Control Sample | | | | | Run: EGG-ORTEC_110404A | | | | 04/07/11 16:19 |
| Thorium 230 | | 5.6 | pCi/L | | 98 | 70 | 130 | | | |
| Sample ID: C11030927-006DMS | Sample Matrix Spike | | | | | Run: EGG-ORTEC_110404A | | | | 04/07/11 16:19 |
| Thorium 230 | | 14 | pCi/L | | 124 | 70 | 130 | | | |
| Sample ID: C11030927-006DMSD | Sample Matrix Spike Duplicate | | | | | Run: EGG-ORTEC_110404A | | | | 04/07/11 16:19 |
| Thorium 230 | | 11 | pCi/L | | 97 | 70 | 130 | 24 | 36.4 | |
| Sample ID: MB-RA-TH-ISO-1358 | 3 | Method Blank | | | | Run: EGG-ORTEC_110404A | | | | 04/08/11 08:53 |
| Thorium 230 | | ND | pCi/L | 0.090 | | | | | | U |
| Thorium 230 precision (\pm) | | 0.059 | pCi/L | | | | | | | |
| Thorium 230 MDC | | 0.13 | pCi/L | | | | | | | |
| Method: E908.0 | | | | | | | | | | Batch: 29445 |
| Sample ID: C11030927-010HMS | Sample Matrix Spike | | | | | Run: EGG-ORTEC_110406B | | | | 04/12/11 08:55 |
| Thorium 230 | | 10 | pCi/L | | 122 | 70 | 130 | | | |
| Sample ID: C11030927-010HMSD | Sample Matrix Spike Duplicate | | | | | Run: EGG-ORTEC_110406B | | | | 04/12/11 08:55 |
| Thorium 230 | | 7.4 | pCi/L | | 86 | 70 | 130 | 35 | 48.2 | |
| Sample ID: LCS-29445 | Laboratory Control Sample | | | | | Run: EGG-ORTEC_110406B | | | | 04/12/11 08:55 |
| Thorium 230 | | 11 | pCi/L | | 120 | 70 | 130 | | | |
| Sample ID: MB-29445 | 3 | Method Blank | | | | Run: EGG-ORTEC_110406B | | | | 04/12/11 08:55 |
| Thorium 230 | | ND | pCi/L | 0.090 | | | | | | U |
| Thorium 230 precision (\pm) | | 0.19 | pCi/L | | | | | | | |
| Thorium 230 MDC | | 0.37 | pCi/L | | | | | | | |

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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples

Report Date: 05/25/11
Work Order: C11030927

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------------------------------|--------------|------------|------|------|-----------------|------------|----------------------|----------|----------------|
| Method: E909.0 | | | | | | | | Batch: T_PB-210-0096 | | |
| Sample ID: T11040009-001CMSD | Sample Matrix Spike Duplicate | | | | | Run: SUB-T40161 | | | | 05/01/11 02:17 |
| Lead 210 | 99 | | pCi/L | | 91 | 70 | 130 | 15 | | 16.3 |
| Sample ID: T11040009-001CMS | Sample Matrix Spike | | | | | Run: SUB-T40161 | | | | 05/01/11 00:05 |
| Lead 210 | 85 | | pCi/L | | 78 | 70 | 130 | | | |
| Sample ID: LCS-PB-210-0096 | Laboratory Control Sample | | | | | Run: SUB-T40161 | | | | 04/30/11 17:31 |
| Lead 210 | 75 | | pCi/L | | 103 | 70 | 130 | | | |
| Sample ID: MB-PB-210-0096 | 3 | Method Blank | | | | Run: SUB-T40161 | | | | 04/30/11 15:20 |
| Lead 210 | | 1.2 | pCi/L | 0.70 | | | | | | U |
| Lead 210 precision (±) | | 1.2 | pCi/L | | | | | | | |
| Lead 210 MDC | | 1.9 | pCi/L | | | | | | | |
| Method: E909.0 | | | | | | | | Batch: 13788 | | |
| Sample ID: T11040035-001AMSD | Sample Matrix Spike Duplicate | | | | | Run: SUB-T40226 | | | | 05/04/11 08:07 |
| Lead 210 | 6.94E-05 | | pCi/Filter | | 90 | 70 | 130 | 8.6 | | 15.6 |
| Sample ID: T11040035-001AMS | Sample Matrix Spike | | | | | Run: SUB-T40226 | | | | 05/04/11 05:56 |
| Lead 210 | 7.57E-05 | | pCi/Filter | | 98 | 70 | 130 | | | |
| Sample ID: LCS-13788 | Laboratory Control Sample | | | | | Run: SUB-T40226 | | | | 05/04/11 01:33 |
| Lead 210 | 340 | | pCi/L | | 94 | 70 | 130 | | | |
| Sample ID: MB-13788 | 3 | Method Blank | | | | Run: SUB-T40226 | | | | 05/03/11 23:22 |
| Lead 210 | | ND | pCi/L | 0.70 | | | | | | U |
| Lead 210 precision (±) | | 5.2 | pCi/L | | | | | | | |
| Lead 210 MDC | | 8.8 | pCi/L | | | | | | | |

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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/25/11

Project: Marsland Baseline Samples

Work Order: C11030927

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|---|-------|--------|-------|------|------|-----------|------------|-----|----------|-------------------|
| Method: E912.0 | | | | | | | | | | Batch: PO210-0359 |
| Sample ID: C11030927-001EMS Sample Matrix Spike Run: EGG-ORTEC_110418B 04/20/11 08:58 | | | | | | | | | | |
| Polonium 210 | 42 | pCi/L | | 159 | 70 | 130 | | | | S |
| - Sample activity for this radionuclide is much larger than the spike activity added. The spike quantity doesn't have a significant affect on the concentration. The LCS and the RPD of the MS/MSD pair are acceptable; this batch is approved. | | | | | | | | | | |
| Sample ID: C11030927-001EMSD Sample Matrix Spike Duplicate Run: EGG-ORTEC_110418B 04/20/11 08:58 | | | | | | | | | | |
| Polonium 210 | 35 | pCi/L | | 105 | 70 | 130 | | 18 | 63.7 | |
| Sample ID: MB-PO210-0359 3 Method Blank Run: EGG-ORTEC_110418B 04/20/11 08:58 | | | | | | | | | | |
| Polonium 210 | | ND | pCi/L | 0.20 | | | | | | U |
| Polonium 210 precision (±) | | 0.27 | pCi/L | | | | | | | |
| Polonium 210 MDC | | 0.74 | pCi/L | | | | | | | |
| Sample ID: LCS-PO210-0359 Laboratory Control Sample Run: EGG-ORTEC_110418B 04/20/11 08:58 | | | | | | | | | | |
| Polonium 210 | | 6.7 | pCi/L | | 106 | 70 | 130 | | | |
| Method: E912.0 | | | | | | | | | | Batch: 29445 |
| Sample ID: C11030927-001HMS Sample Matrix Spike Run: EGG-ORTEC_110425A 04/27/11 08:38 | | | | | | | | | | |
| Polonium 210 | 26 | pCi/L | | 65 | 70 | 130 | | | | S |
| - Spike response is outside of the acceptance range for this analysis. Since the LCS and the MSD are acceptable the batch is approved. | | | | | | | | | | |
| Sample ID: C11030927-001HMSD Sample Matrix Spike Duplicate Run: EGG-ORTEC_110425A 04/27/11 08:38 | | | | | | | | | | |
| Polonium 210 | 28 | pCi/L | | 99 | 70 | 130 | | 7.1 | 52 | |
| Sample ID: LCS-29445 Laboratory Control Sample Run: EGG-ORTEC_110425A 04/27/11 08:38 | | | | | | | | | | |
| Polonium 210 | | 26 | pCi/L | | 85 | 70 | 130 | | | |
| Sample ID: MB-29445 3 Method Blank Run: EGG-ORTEC_110425A 04/27/11 08:38 | | | | | | | | | | |
| Polonium 210 | | 0.31 | pCi/L | 0.20 | | | | | | U |
| Polonium 210 precision (±) | | 1.2 | pCi/L | | | | | | | |
| Polonium 210 MDC | | 2.5 | pCi/L | | | | | | | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

S - Spike recovery outside of advisory limits.

U - Not detected at minimum detectable concentration

Workorder Receipt Checklist



C11030927

Login completed by: Edith McPike

Date Received: 3/31/2011

Reviewed by: BL2000\hackerman

Received by: ha

Reviewed Date: 4/4/2011

 Carrier Ground
 name:

| | | | |
|---|---|-----------------------------|--|
| Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Container/Temp Blank temperature: | 8.6°C On Ice | | |
| Water - VOA vials have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | No VOA vials submitted <input checked="" type="checkbox"/> |
| Water - pH acceptable upon receipt? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Applicable <input type="checkbox"/> |

Contact and Corrective Action Comments:

Samples to be filtered and preserved in the laboratory for dissolved and suspended Radiochem



Chain of Custody and Analytical Request Record

Page 1 of 1

PLEASE PRINT - Provide as much information as possible.

| | | | | | | | | | | | | | | | | | |
|--|--|---|--|---|--------|----------------------------|--------------------|---------------------------|---|-------------------------------|---------------------------|---|--|--|--|--|--|
| Company Name: Crow Butte Resources, Inc. | | | Project Name Marsland Baseline Samples | | | Sample Origin State: | | | EPA/State Compliance: Yes <input type="checkbox"/> No <input type="checkbox"/> | | | | | | | | |
| Report Mail Address: P.O. Box 169 Crawford, NE 69339 | | | Contact Name: Larry Teahon | | | Phone/Fax: 308-665-2341 | | | Email: daxmynus@msn.com | | | Sampler: (Please Print) Brooke Bass Rhonda Pelton | | | | | |
| Invoice Address: P.O. Box 169 Crawford, NE 69339 | | | Invoice Contact & Phone: Larry Teahon 308-665-2215 ext 114 | | | | | | Purchase Order: 1125 | | | Quote/Bottle Order: | | | | | |
| Special Report/Formats - ELI must be notified prior to sample submittal for the following: <input type="checkbox"/> DW <input type="checkbox"/> A2LA <input type="checkbox"/> GSA <input type="checkbox"/> EDD/EDT (Electronic Data) <input type="checkbox"/> POTW/WWTP <input type="checkbox"/> Format: _____ <input type="checkbox"/> State: _____ <input type="checkbox"/> LEVEL IV <input type="checkbox"/> Other: _____ <input type="checkbox"/> NELAC | | | | ANALYSIS REQUESTED | | | | | | | | | | Contact ELI prior to RUSH sample submittal for charges and scheduling - See instruction Page | | Shipped by: WPCEN Cooler ID(s): Various | |
| | | | | SEE ATTACHED Normal Turnaround (TAT) | | | | | | | | | | | | | |
| SAMPLE IDENTIFICATION (Name, Location, Interval, etc.) | | | Collection Date | Collection Time | MATRIX | HNO3-F, Metals | RAW-F, Common Ions | RAW-UF, Alkalinity | H2SO4-F, NO2, NO3, NH4 | Raw-UF, Ra226, Po210 dis, sus | Raw-UF, Pb210 dis and sus | Raw-UF, Th230, U-nat dis and sus | Comments: NDEQ parameters for baseline sampling. Report on separate sheets. Analyze as per WDEQ Guideline 8 and NRC Reg. Guide 4.14 requirements. Record U as mg/L and $\mu\text{Ci/ml}$ and radiometrics as $\mu\text{Ci/L}$. | | | Receipt Temp 8.6 °C | |
| | | | | | | | | | | | | | On Ice: <input checked="" type="radio"/> Yes <input type="radio"/> No | | | Custody Seal Y <input checked="" type="checkbox"/> N | |
| | | | | | | | | | | | | | | | | Intact Y <input type="checkbox"/> N | |
| | | | | | | | | | | | | | | | | Signature Match Y <input type="checkbox"/> N | |
| 1 Monitor 1 | | | 3/28/11 | | Water | .5 | 1 | 1 | .5 | 1 | 1 | 1 | Please report 5/1/11 | | | LABORATORY USE ONLY | |
| 2 Monitor 2 | | | 3/28/11 | | Water | .5 | 1 | 1 | .5 | 1 | 1 | 1 | Please report 5/1/11 | | | | |
| 3 Monitor 4A | | | 3/28/11 | | Water | .5 | 1 | 1 | .5 | 1 | 1 | 1 | Please report 5/1/11 | | | | |
| 4 Monitor 5 | | | 3/28/11 | | Water | .5 | 1 | 1 | .5 | 1 | 1 | 1 | Please report 5/1/11 | | | | |
| 5 Monitor 6 | | | 3/28/11 | | Water | .5 | 1 | 1 | .5 | 1 | 1 | 1 | Please report 5/1/11 | | | | |
| 6 Monitor 7 | | | 3/28/11 | | Water | .5 | 1 | 1 | .5 | 1 | 1 | 1 | Please report 5/1/11 | | | | |
| 7 Monitor 8 | | | 3/28/11 | | Water | .5 | 1 | 1 | .5 | 1 | 1 | 1 | Please report 5/1/11 | | | | |
| 8 Monitor 9 | | | 3/28/11 | | Water | .5 | 1 | 1 | .5 | 1 | 1 | 1 | Please report 5/1/11 | | | | |
| 9 Monitor 10 | | | 3/28/11 | | Water | .5 | 1 | 1 | .5 | 1 | 1 | 1 | Please report 5/1/11 | | | | |
| 10 Monitor 11 | | | 3/28/11 | | Water | .5 | 1 | 1 | .5 | 1 | 1 | 1 | Please report 5/1/11 | | | | |
| Custody Record MUST be Signed | | Relinquished by (print): Brooke Bass | | Date/Time: 3/29/11 | | Signature: Brooke Bass | | Received by (print): | | Date/Time: | | Signature: | | | | | |
| | | Relinquished by (print): | | Date/Time: | | Signature: | | Received by (print): | | Date/Time: | | Signature: | | | | | |
| | | Sample Disposal: Return to Client: No | | Lab Disposal: YES | | Received by Laboratory: | | Date/Time: 3/31/11 930 | | Signature: [Signature] | | | | | | | |

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report. Visit our web site at www.enerlab.com for additional information, downloadable fee schedule, forms, and links.

CROW BUTTE RESOURCES, INC.
CROW BUTTE PROJECT

NO₂

DATE: 3/29/11

ANALYST: ht

STANDARD CURVE DATA

| | | | | | | | |
|-----|----|------|------|------|--|--|--|
| | BL | 0.01 | 0.05 | 0.1 | | | |
| Abs | | .044 | .179 | .349 | | | |
| Abs | | | | | | | |

| SAMPLE # | VOLUME | Df | Abs | NO ₂ mg/L |
|---------------------------|--------|----|------|----------------------|
| 1 <u>Marsland Monitor</u> | | 1 | | |
| 2 1 | 10ml | | .001 | 20.01 |
| 3 2 | 10ml | | .001 | 20.01 |
| 4 4A | 10ml | | .002 | 20.01 |
| 5 5 | 10ml | | .003 | 20.01 |
| Dup 6 | 10ml | | .002 | 20.01 |
| 6 7 | 10ml | | .006 | 20.01 |
| 7 8 | 10ml | | .004 | 20.01 |
| 8 9 | 10ml | | .004 | 20.01 |
| 9 10 | 10ml | | .006 | 20.01 |
| 10 11 | 10ml | | .003 | 20.01 |
| Dup | | | | |
| 11 Dup 1 | 10ml | 1 | .002 | 20.01 |
| 12 Dup 2 | 10ml | | .001 | 20.01 |
| 13 Dup 7 | 10ml | | .005 | 20.01 |
| 14 Dup 10 | 10ml | | .004 | 20.01 |
| 15 | | | | |
| Dup | | | | |
| 16 | | | | |
| 17 | | | | |
| 18 | | | | |
| 19 | | | | |
| 20 | | | | |
| Dup | | | | |
| 21 | | | | |
| 22 | | | | |
| 23 | | | | |
| 24 | | | | |
| 25 | | | | |
| Dup | | | | |



ANALYTICAL SUMMARY REPORT

May 26, 2011

Crow Butte Resources
86 Crow Butte Rd
Crawford, NE 69339

Workorder No.: C11040187 Quote ID: C1125 - Crow Butte Uranium

Project Name: Marsland Baseline Samples

Energy Laboratories, Inc. Casper WY received the following 4 samples for Crow Butte Resources on 4/6/2011 for analysis.

| Sample ID | Client Sample ID | Collect Date | Receive Date | Matrix | Test |
|---------------|------------------|----------------|--------------|---------|--|
| C11040187-001 | BOW-2 | 04/01/11 00:00 | 04/06/11 | Aqueous | Metals by ICP/ICPMS, Dissolved Alkalinity QA Calculations Conductivity Sample Filtering Fluoride E300.0 Anions Uranium, Suspended Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Digestion, Total Metals Lead 210, Dissolved Lead 210, Suspended Polonium 210, Dissolved Polonium 210, Suspended Radium 226, Dissolved Radium 226, Suspended Thorium, Isotopic Thorium, Suspended Isotopic Solids, Total Dissolved |
| C11040187-002 | BOW-3 | 04/01/11 00:00 | 04/06/11 | Aqueous | Same As Above |
| C11040187-003 | BOW-5 | 04/01/11 00:00 | 04/06/11 | Aqueous | Same As Above |
| C11040187-004 | BOW-6 | 04/01/11 00:00 | 04/06/11 | Aqueous | Same As Above |

This report was prepared by Energy Laboratories, Inc., 2393 Salt Creek Hwy., Casper, WY 82601. Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

The results as reported relate only to the item(s) submitted for testing.

If you have any questions regarding these test results, please call.

Report Approved By:

CLIENT: Crow Butte Resources
Project: Marsland Baseline Samples
Sample Delivery Group: C11040187

Report Date: 05/26/11

CASE NARRATIVE

BRANCH LABORATORY SUBCONTRACT ANALYSIS

Tests associated with analyst identified as ELI-CS were subcontracted to Energy Laboratories, 415 Graham Rd., College Station, TX, EPA Number TX01520.

PREP COMMENTS

The prep holding time for the Filtration is dissolved metals was exceeded by 4.33 days.

RADIOCHEMISTRY ANALYSIS

Per client request, results less than MDC (or precision if no MDC), are reported as <MDC (or <precision). Actual instrument results are available by request.

ORIGINAL SAMPLE SUBMITTAL(S)

All original sample submittals have been returned with the data package.

SAMPLE TEMPERATURE COMPLIANCE: 4°C (±2°C)

Temperature of samples received may not be considered properly preserved by accepted standards. Samples that are hand delivered immediately after collection shall be considered acceptable if there is evidence that the chilling process has begun.

GROSS ALPHA ANALYSIS

Method 900.0 for gross alpha and gross beta is intended as a drinking water method for low TDS waters. Data provided by this method for non potable waters should be viewed as inconsistent.

SOIL/SOLID SAMPLES

All samples reported on an as received basis unless otherwise indicated.

SUBCONTRACTING ANALYSIS

Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.

BRANCH LABORATORY LOCATIONS

eli-b - Energy Laboratories, Inc. - Billings, MT
eli-g - Energy Laboratories, Inc. - Gillette, WY
eli-h - Energy Laboratories, Inc. - Helena, MT
eli-r - Energy Laboratories, Inc. - Rapid City, SD
eli-t - Energy Laboratories, Inc. - College Station, TX

CERTIFICATIONS:

USEPA: WY00002; FL-DOH NELAC: E87641; California: 02118CA
Oregon: WY200001; Utah: 3072350515; Virginia: 00057; Washington: C1903

ISO 17025 DISCLAIMER:

The results of this Analytical Report relate only to the items submitted for analysis.

ENERGY LABORATORIES, INC. - CASPER, WY certifies that certain method selections contained in this report meet requirements as set forth by the above accrediting authorities. Some results requested by the client may not be covered under these certifications. All analysis data to be submitted for regulatory enforcement should be certified in the sample state of origin. Please verify ELI's certification coverage by visiting www.energylab.com

ELI appreciates the opportunity to provide you with this analytical service. For additional information and services visit our web page www.energylab.com.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11040187-001
Client Sample ID: BOW-2

Report Date: 05/26/11
Collection Date: 04/01/11
Date Received: 04/06/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 182 | mg/L | | 1 | | A2320 B | 04/08/11 17:41 / jba |
| Carbonate as CO ₃ | 37 | mg/L | | 1 | | A2320 B | 04/08/11 17:41 / jba |
| Bicarbonate as HCO ₃ | 148 | mg/L | | 1 | | A2320 B | 04/08/11 17:41 / jba |
| Calcium | 6 | mg/L | | 1 | | E200.7 | 04/18/11 14:12 / cp |
| Chloride | 31 | mg/L | | 1 | | E300.0 | 04/08/11 21:01 / ljl |
| Fluoride | 0.4 | mg/L | | 0.1 | | A4500-F C | 04/08/11 11:59 / jba |
| Magnesium | ND | mg/L | | 1 | | E200.7 | 04/18/11 14:12 / cp |
| Nitrogen, Ammonia as N | ND | mg/L | | 0.05 | | A4500-NH ₃ G | 04/08/11 15:59 / dc |
| Nitrogen, Nitrate+Nitrite as N | 1.1 | mg/L | | 0.1 | | E353.2 | 04/07/11 17:33 / dc |
| Potassium | 11 | mg/L | | 1 | | E200.7 | 04/18/11 14:12 / cp |
| Silica | 88.1 | mg/L | | 0.2 | | E200.7 | 04/18/11 14:12 / cp |
| Sodium | 107 | mg/L | | 1 | | E200.7 | 04/18/11 14:12 / cp |
| Sulfate | 37 | mg/L | | 1 | | E300.0 | 04/08/11 21:01 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 515 | umhos/cm | | 1 | | A2510 B | 04/07/11 14:16 / lr |
| pH | 9.38 | s.u. | | 0.01 | | A4500-H B | 04/07/11 14:16 / lr |
| Solids, Total Dissolved TDS @ 180 C | 342 | mg/L | | 10 | | A2540 C | 04/07/11 15:51 / lr |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.7 | 04/18/11 14:12 / cp |
| Arsenic | 0.005 | mg/L | | 0.001 | | E200.8 | 04/11/11 19:33 / sml |
| Barium | ND | mg/L | | 0.1 | | E200.8 | 04/11/11 19:33 / sml |
| Boron | 0.2 | mg/L | | 0.1 | | E200.7 | 04/18/11 14:12 / cp |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 04/11/11 19:33 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 04/11/11 19:33 / sml |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 04/11/11 19:33 / sml |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 04/18/11 14:12 / cp |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 04/11/11 19:33 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 04/11/11 19:33 / sml |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 04/11/11 19:33 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 04/11/11 19:33 / sml |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 04/11/11 19:33 / sml |
| Selenium | ND | mg/L | | 0.001 | | E200.8 | 04/11/11 19:33 / sml |
| Uranium | 0.0035 | mg/L | | 0.0003 | | E200.8 | 04/11/11 19:33 / sml |
| Uranium, Activity | 2.4E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 04/11/11 19:33 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 04/11/11 19:33 / sml |
| Zinc | 0.06 | mg/L | | 0.01 | | E200.8 | 04/11/11 19:33 / sml |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 04/13/11 17:23 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 04/13/11 17:23 / sml |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11040187-001
Client Sample ID: BOW-2

Report Date: 05/26/11
Collection Date: 04/01/11
Date Received: 04/06/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|------|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 05/11/11 10:26 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 05/11/11 10:26 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 05/11/11 10:26 / eli-cs |
| Polonium 210 | <0.6 | pCi/L | U | 0.6 | | E912.0 | 04/27/11 08:39 / ep |
| Polonium 210 precision (±) | 0.4 | pCi/L | | | | E912.0 | 04/27/11 08:39 / ep |
| Polonium 210 MDC | 0.6 | pCi/L | | | | E912.0 | 04/27/11 08:39 / ep |
| Radium 226 | <0.21 | pCi/L | U | 0.21 | | E903.0 | 04/13/11 08:12 / ep |
| Radium 226 precision (±) | 0.09 | pCi/L | | | | E903.0 | 04/13/11 08:12 / ep |
| Radium 226 MDC | 0.21 | pCi/L | | | | E903.0 | 04/13/11 08:12 / ep |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 05/02/11 09:12 / dmf |
| Thorium 230 precision (±) | 0.08 | pCi/L | | | | E908.0 | 05/02/11 09:12 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 05/02/11 09:12 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 05/07/11 18:31 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 05/07/11 18:31 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 05/07/11 18:31 / eli-cs |
| Polonium 210 | <0.2 | pCi/L | U | 0.2 | | E912.0 | 05/05/11 08:56 / ep |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 05/05/11 08:56 / ep |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 05/05/11 08:56 / ep |
| Radium 226 | <0.14 | pCi/L | U | 0.14 | | E903.0 | 04/26/11 03:02 / trs |
| Radium 226 precision (±) | 0.08 | pCi/L | | | | E903.0 | 04/26/11 03:02 / trs |
| Radium 226 MDC | 0.14 | pCi/L | | | | E903.0 | 04/26/11 03:02 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 04/28/11 08:51 / dmf |
| Thorium 230 precision (±) | 0.1 | pCi/L | | | | E908.0 | 04/28/11 08:51 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 04/28/11 08:51 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | -0.824 | % | | | | Calculation | 04/20/11 09:04 / kbh |
| Anions | 5.37 | meq/L | | | | Calculation | 04/20/11 09:04 / kbh |
| Cations | 5.29 | meq/L | | | | Calculation | 04/20/11 09:04 / kbh |
| Solids, Total Dissolved Calculated | 418 | mg/L | | | | Calculation | 04/20/11 09:04 / kbh |
| TDS Balance (0.80 - 1.20) | 0.820 | | | | | Calculation | 04/20/11 09:04 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11040187-002
Client Sample ID: BOW-3

Report Date: 05/26/11
Collection Date: 04/01/11
Date Received: 04/06/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 171 | mg/L | | 1 | | A2320 B | 04/08/11 17:50 / jba |
| Carbonate as CO ₃ | 32 | mg/L | | 1 | | A2320 B | 04/08/11 17:50 / jba |
| Bicarbonate as HCO ₃ | 144 | mg/L | | 1 | | A2320 B | 04/08/11 17:50 / jba |
| Calcium | 5 | mg/L | | 1 | | E200.7 | 04/18/11 14:24 / cp |
| Chloride | 32 | mg/L | | 1 | | E300.0 | 04/08/11 21:16 / ljl |
| Fluoride | 0.5 | mg/L | | 0.1 | | A4500-F C | 04/08/11 12:01 / jba |
| Magnesium | ND | mg/L | | 1 | | E200.7 | 04/18/11 14:24 / cp |
| Nitrogen, Ammonia as N | ND | mg/L | | 0.05 | | A4500-NH ₃ G | 04/08/11 16:01 / dc |
| Nitrogen, Nitrate+Nitrite as N | 0.8 | mg/L | | 0.1 | | E353.2 | 04/07/11 17:36 / dc |
| Potassium | 10 | mg/L | | 1 | | E200.7 | 04/18/11 14:24 / cp |
| Silica | 87.0 | mg/L | | 0.2 | | E200.7 | 04/18/11 14:24 / cp |
| Sodium | 118 | mg/L | | 1 | | E200.7 | 04/18/11 14:24 / cp |
| Sulfate | 60 | mg/L | D | 2 | | E300.0 | 04/08/11 21:16 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 550 | umhos/cm | | 1 | | A2510 B | 04/07/11 14:18 / lr |
| pH | 9.41 | s.u. | | 0.01 | | A4500-H B | 04/07/11 14:18 / lr |
| Solids, Total Dissolved TDS @ 180 C | 374 | mg/L | | 10 | | A2540 C | 04/07/11 15:52 / lr |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.7 | 04/18/11 14:24 / cp |
| Arsenic | 0.009 | mg/L | | 0.001 | | E200.8 | 04/11/11 19:40 / sml |
| Barium | ND | mg/L | | 0.1 | | E200.8 | 04/11/11 19:40 / sml |
| Boron | 0.3 | mg/L | | 0.1 | | E200.7 | 04/18/11 14:24 / cp |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 04/11/11 19:40 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 04/11/11 19:40 / sml |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 04/11/11 19:40 / sml |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 04/18/11 14:24 / cp |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 04/11/11 19:40 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 04/11/11 19:40 / sml |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 04/11/11 19:40 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 04/11/11 19:40 / sml |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 04/11/11 19:40 / sml |
| Selenium | 0.003 | mg/L | | 0.001 | | E200.8 | 04/11/11 19:40 / sml |
| Uranium | 0.0041 | mg/L | | 0.0003 | | E200.8 | 04/11/11 19:40 / sml |
| Uranium, Activity | 2.8E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 04/11/11 19:40 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 04/11/11 19:40 / sml |
| Zinc | 0.11 | mg/L | | 0.01 | | E200.8 | 04/11/11 19:40 / sml |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 04/13/11 17:27 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 04/13/11 17:27 / sml |

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11040187-002
Client Sample ID: BOW-3

Report Date: 05/26/11
Collection Date: 04/01/11
Date Received: 04/06/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|------|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 05/11/11 12:37 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 05/11/11 12:37 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 05/11/11 12:37 / eli-cs |
| Polonium 210 | <0.7 | pCi/L | U | 0.7 | | E912.0 | 04/27/11 10:52 / ep |
| Polonium 210 precision (±) | 0.4 | pCi/L | | | | E912.0 | 04/27/11 10:52 / ep |
| Polonium 210 MDC | 0.7 | pCi/L | | | | E912.0 | 04/27/11 10:52 / ep |
| Radium 226 | <0.22 | pCi/L | U | 0.22 | | E903.0 | 04/13/11 08:12 / ep |
| Radium 226 precision (±) | 0.1 | pCi/L | | | | E903.0 | 04/13/11 08:12 / ep |
| Radium 226 MDC | 0.22 | pCi/L | | | | E903.0 | 04/13/11 08:12 / ep |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 05/02/11 09:12 / dmf |
| Thorium 230 precision (±) | 0.1 | pCi/L | | | | E908.0 | 05/02/11 09:12 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 05/02/11 09:12 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 05/07/11 20:43 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 05/07/11 20:43 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 05/07/11 20:43 / eli-cs |
| Polonium 210 | 0.3 | pCi/L | | 0.2 | | E912.0 | 05/05/11 08:56 / ep |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 05/05/11 08:56 / ep |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 05/05/11 08:56 / ep |
| Radium 226 | <0.14 | pCi/L | U | 0.14 | | E903.0 | 04/26/11 03:02 / trs |
| Radium 226 precision (±) | 0.06 | pCi/L | | | | E903.0 | 04/26/11 03:02 / trs |
| Radium 226 MDC | 0.14 | pCi/L | | | | E903.0 | 04/26/11 03:02 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 04/28/11 08:51 / dmf |
| Thorium 230 precision (±) | 0.08 | pCi/L | | | | E908.0 | 04/28/11 08:51 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 04/28/11 08:51 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 0.0620 | % | | | | Calculation | 04/20/11 09:04 / kbh |
| Anions | 5.65 | meq/L | | | | Calculation | 04/20/11 09:04 / kbh |
| Cations | 5.66 | meq/L | | | | Calculation | 04/20/11 09:04 / kbh |
| Solids, Total Dissolved Calculated | 442 | mg/L | | | | Calculation | 04/20/11 09:04 / kbh |
| TDS Balance (0.80 - 1.20) | 0.850 | | | | | Calculation | 04/20/11 09:04 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11040187-003
Client Sample ID: BOW-5

Report Date: 05/26/11
Collection Date: 04/01/11
Date Received: 04/06/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 152 | mg/L | | 1 | | A2320 B | 04/08/11 18:16 / jba |
| Carbonate as CO ₃ | 4 | mg/L | | 1 | | A2320 B | 04/08/11 18:16 / jba |
| Bicarbonate as HCO ₃ | 177 | mg/L | | 1 | | A2320 B | 04/08/11 18:16 / jba |
| Calcium | 29 | mg/L | | 1 | | E200.7 | 04/18/11 14:32 / cp |
| Chloride | 5 | mg/L | | 1 | | E300.0 | 04/08/11 22:02 / ljl |
| Fluoride | 0.5 | mg/L | | 0.1 | | A4500-F C | 04/08/11 12:13 / jba |
| Magnesium | 7 | mg/L | | 1 | | E200.7 | 04/18/11 14:32 / cp |
| Nitrogen, Ammonia as N | ND | mg/L | | 0.05 | | A4500-NH ₃ G | 04/08/11 16:03 / dc |
| Nitrogen, Nitrate+Nitrite as N | 0.9 | mg/L | | 0.1 | | E353.2 | 04/07/11 17:38 / dc |
| Potassium | 4 | mg/L | | 1 | | E200.7 | 04/18/11 14:32 / cp |
| Silica | 78.6 | mg/L | | 0.2 | | E200.7 | 04/18/11 14:32 / cp |
| Sodium | 27 | mg/L | | 1 | | E200.7 | 04/18/11 14:32 / cp |
| Sulfate | 9 | mg/L | | 1 | | E300.0 | 04/08/11 22:02 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 307 | umhos/cm | | 1 | | A2510 B | 04/07/11 14:20 / lr |
| pH | 8.19 | s.u. | | 0.01 | | A4500-H B | 04/07/11 14:20 / lr |
| Solids, Total Dissolved TDS @ 180 C | 200 | mg/L | | 10 | | A2540 C | 04/07/11 15:52 / lr |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.7 | 04/18/11 14:32 / cp |
| Arsenic | 0.003 | mg/L | | 0.001 | | E200.8 | 04/11/11 20:14 / sml |
| Barium | 0.1 | mg/L | | 0.1 | | E200.8 | 04/11/11 20:14 / sml |
| Boron | ND | mg/L | | 0.1 | | E200.7 | 04/18/11 14:32 / cp |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 04/11/11 20:14 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 04/11/11 20:14 / sml |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 04/11/11 20:14 / sml |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 04/18/11 14:32 / cp |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 04/11/11 20:14 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 04/11/11 20:14 / sml |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 04/11/11 20:14 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 04/11/11 20:14 / sml |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 04/11/11 20:14 / sml |
| Selenium | 0.001 | mg/L | | 0.001 | | E200.8 | 04/11/11 20:14 / sml |
| Uranium | 0.0076 | mg/L | | 0.0003 | | E200.8 | 04/11/11 20:14 / sml |
| Uranium, Activity | 5.2E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 04/11/11 20:14 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 04/11/11 20:14 / sml |
| Zinc | 0.10 | mg/L | | 0.01 | | E200.8 | 04/11/11 20:14 / sml |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 04/13/11 17:31 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 04/13/11 17:31 / sml |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11040187-003
Client Sample ID: BOW-5

Report Date: 05/26/11
Collection Date: 04/01/11
Date Received: 04/06/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|------|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 05/11/11 14:48 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 05/11/11 14:48 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 05/11/11 14:48 / eli-cs |
| Polonium 210 | <0.5 | pCi/L | U | 0.5 | | E912.0 | 04/27/11 10:52 / ep |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 04/27/11 10:52 / ep |
| Polonium 210 MDC | 0.5 | pCi/L | | | | E912.0 | 04/27/11 10:52 / ep |
| Radium 226 | <0.16 | pCi/L | U | 0.16 | | E903.0 | 04/13/11 08:12 / ep |
| Radium 226 precision (±) | 0.08 | pCi/L | | | | E903.0 | 04/13/11 08:12 / ep |
| Radium 226 MDC | 0.16 | pCi/L | | | | E903.0 | 04/13/11 08:12 / ep |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 05/02/11 09:12 / dmf |
| Thorium 230 precision (±) | 0.09 | pCi/L | | | | E908.0 | 05/02/11 09:12 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 05/02/11 09:12 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 05/07/11 22:54 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 05/07/11 22:54 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 05/07/11 22:54 / eli-cs |
| Polonium 210 | <0.2 | pCi/L | U | 0.2 | | E912.0 | 05/05/11 08:56 / ep |
| Polonium 210 precision (±) | 0.1 | pCi/L | | | | E912.0 | 05/05/11 08:56 / ep |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 05/05/11 08:56 / ep |
| Radium 226 | <0.15 | pCi/L | U | 0.15 | | E903.0 | 04/26/11 03:02 / trs |
| Radium 226 precision (±) | 0.06 | pCi/L | | | | E903.0 | 04/26/11 03:02 / trs |
| Radium 226 MDC | 0.15 | pCi/L | | | | E903.0 | 04/26/11 03:02 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 04/28/11 08:51 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 04/28/11 08:51 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 04/28/11 08:51 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | -1.82 | % | | | | Calculation | 04/20/11 09:05 / kbh |
| Anions | 3.45 | meq/L | | | | Calculation | 04/20/11 09:05 / kbh |
| Cations | 3.33 | meq/L | | | | Calculation | 04/20/11 09:05 / kbh |
| Solids, Total Dissolved Calculated | 277 | mg/L | | | | Calculation | 04/20/11 09:05 / kbh |
| TDS Balance (0.80 - 1.20) | 0.720 | | | | | Calculation | 04/20/11 09:05 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11040187-004
Client Sample ID: BOW-6

Report Date: 05/26/11
Collection Date: 04/01/11
Date Received: 04/06/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 143 | mg/L | | 1 | | A2320 B | 04/08/11 18:24 / jba |
| Carbonate as CO ₃ | 3 | mg/L | | 1 | | A2320 B | 04/08/11 18:24 / jba |
| Bicarbonate as HCO ₃ | 168 | mg/L | | 1 | | A2320 B | 04/08/11 18:24 / jba |
| Calcium | 32 | mg/L | | 1 | | E200.7 | 04/18/11 14:36 / cp |
| Chloride | 10 | mg/L | | 1 | | E300.0 | 04/08/11 22:18 / ljl |
| Fluoride | 0.6 | mg/L | | 0.1 | | A4500-F C | 04/08/11 12:20 / jba |
| Magnesium | 7 | mg/L | | 1 | | E200.7 | 04/18/11 14:36 / cp |
| Nitrogen, Ammonia as N | ND | mg/L | | 0.05 | | A4500-NH ₃ G | 04/08/11 16:05 / dc |
| Nitrogen, Nitrate+Nitrite as N | 1.0 | mg/L | | 0.1 | | E353.2 | 04/07/11 17:41 / dc |
| Potassium | 5 | mg/L | | 1 | | E200.7 | 04/18/11 14:36 / cp |
| Silica | 71.5 | mg/L | | 0.2 | | E200.7 | 04/18/11 14:36 / cp |
| Sodium | 25 | mg/L | | 1 | | E200.7 | 04/18/11 14:36 / cp |
| Sulfate | 10 | mg/L | | 1 | | E300.0 | 04/08/11 22:18 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 310 | umhos/cm | | 1 | | A2510 B | 04/07/11 14:22 / lr |
| pH | 8.27 | s.u. | | 0.01 | | A4500-H B | 04/07/11 14:22 / lr |
| Solids, Total Dissolved TDS @ 180 C | 206 | mg/L | | 10 | | A2540 C | 04/07/11 15:52 / lr |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.7 | 04/18/11 14:36 / cp |
| Arsenic | 0.005 | mg/L | | 0.001 | | E200.8 | 04/11/11 20:21 / sml |
| Barium | 0.1 | mg/L | | 0.1 | | E200.8 | 04/11/11 20:21 / sml |
| Boron | ND | mg/L | | 0.1 | | E200.7 | 04/18/11 14:36 / cp |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 04/11/11 20:21 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.7 | 04/18/11 14:36 / cp |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 04/11/11 20:21 / sml |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 04/18/11 14:36 / cp |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 04/11/11 20:21 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.7 | 04/18/11 14:36 / cp |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 04/11/11 20:21 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 04/11/11 20:21 / sml |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 04/11/11 20:21 / sml |
| Selenium | 0.001 | mg/L | | 0.001 | | E200.8 | 04/11/11 20:21 / sml |
| Uranium | 0.0058 | mg/L | | 0.0003 | | E200.8 | 04/11/11 20:21 / sml |
| Uranium, Activity | 3.9E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 04/11/11 20:21 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.7 | 04/18/11 14:36 / cp |
| Zinc | 0.07 | mg/L | | 0.01 | | E200.8 | 04/11/11 20:21 / sml |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 04/13/11 17:35 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 04/13/11 17:35 / sml |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11040187-004
Client Sample ID: BOW-6

Report Date: 05/26/11
Collection Date: 04/01/11
Date Received: 04/06/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|------|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 05/11/11 17:00 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 05/11/11 17:00 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 05/11/11 17:00 / eli-cs |
| Polonium 210 | <0.6 | pCi/L | U | 0.6 | | E912.0 | 04/27/11 10:52 / ep |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 04/27/11 10:52 / ep |
| Polonium 210 MDC | 0.6 | pCi/L | | | | E912.0 | 04/27/11 10:52 / ep |
| Radium 226 | <0.17 | pCi/L | U | 0.17 | | E903.0 | 04/13/11 09:50 / ep |
| Radium 226 precision (±) | 0.08 | pCi/L | | | | E903.0 | 04/13/11 09:50 / ep |
| Radium 226 MDC | 0.17 | pCi/L | | | | E903.0 | 04/13/11 09:50 / ep |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 05/02/11 09:12 / dmf |
| Thorium 230 precision (±) | 0.1 | pCi/L | | | | E908.0 | 05/02/11 09:12 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 05/02/11 09:12 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 05/08/11 01:06 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 05/08/11 01:06 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 05/08/11 01:06 / eli-cs |
| Polonium 210 | <0.2 | pCi/L | U | 0.2 | | E912.0 | 05/05/11 08:56 / ep |
| Polonium 210 precision (±) | 0.08 | pCi/L | | | | E912.0 | 05/05/11 08:56 / ep |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 05/05/11 08:56 / ep |
| Radium 226 | <0.13 | pCi/L | U | 0.13 | | E903.0 | 04/26/11 03:02 / trs |
| Radium 226 precision (±) | 0.05 | pCi/L | | | | E903.0 | 04/26/11 03:02 / trs |
| Radium 226 MDC | 0.13 | pCi/L | | | | E903.0 | 04/26/11 03:02 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 04/28/11 08:51 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 04/28/11 08:51 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 04/28/11 08:51 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | -1.34 | % | | | | Calculation | 04/20/11 09:05 / kbh |
| Anions | 3.44 | meq/L | | | | Calculation | 04/20/11 09:05 / kbh |
| Cations | 3.34 | meq/L | | | | Calculation | 04/20/11 09:05 / kbh |
| Solids, Total Dissolved Calculated | 269 | mg/L | | | | Calculation | 04/20/11 09:05 / kbh |
| TDS Balance (0.80 - 1.20) | 0.770 | | | | | Calculation | 04/20/11 09:05 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/26/11

Project: Marsland Baseline Samples

Work Order: C11040187

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|--|-------|---------------------------|-------|-----|------|-----------|----------------------|-----|----------|----------------|
| Method: A2320 B | | | | | | | | | | Batch: R144652 |
| Sample ID: MBLK | 3 | Method Blank | | | | | Run: MANTECH_110408B | | | 04/08/11 17:09 |
| Alkalinity, Total as CaCO ₃ | 2 | mg/L | | 1 | | | | | | |
| Carbonate as CO ₃ | ND | mg/L | | 1 | | | | | | |
| Bicarbonate as HCO ₃ | 3 | mg/L | | 1 | | | | | | |
| Sample ID: LCS | | Laboratory Control Sample | | | | | Run: MANTECH_110408B | | | 04/08/11 17:25 |
| Alkalinity, Total as CaCO ₃ | 214 | mg/L | | 5.0 | 106 | 90 | 110 | | | |
| Sample ID: C11040187-002BDUP | | Sample Duplicate | | | | | Run: MANTECH_110408B | | | 04/08/11 17:59 |
| Alkalinity, Total as CaCO ₃ | 172 | mg/L | | 5.0 | | | | 0.0 | 10 | |
| Sample ID: C11040187-002BMS | | Sample Matrix Spike | | | | | Run: MANTECH_110408B | | | 04/08/11 18:08 |
| Alkalinity, Total as CaCO ₃ | 306 | mg/L | | 5.0 | 107 | 80 | 120 | | | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/26/11

Project: Marsland Baseline Samples

Work Order: C11040187

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|---|----------|-----|------|-----------|-------------------------------------|-----|----------|----------------|
| Method: A2510 B | | | | | | | Analytical Run: ORION555A-2_110407A | | | |
| Sample ID: ICV2_110407_1 | | Initial Calibration Verification Standard | | | | | | | | 04/07/11 13:42 |
| Conductivity @ 25 C | | 1390 | umhos/cm | 1.0 | 98 | 90 | 110 | | | |
| Method: A2510 B | | | | | | | Batch: 110407_1_PH-W_555A-2 | | | |
| Sample ID: MBLK1_110407_1 | | Method Blank | | | | | | | | 04/07/11 13:38 |
| Conductivity @ 25 C | | 0.4 | umhos/cm | 0.2 | | | | | | |
| Sample ID: C11040172-002ADUP | | Sample Duplicate | | | | | | | | 04/07/11 14:10 |
| Conductivity @ 25 C | | 781 | umhos/cm | 1.0 | | | | 0.0 | 10 | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/26/11

Project: Marsland Baseline Samples

Work Order: C11040187

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|---------------------------|-------|----|------|--------------------|------------|----------------------------|----------------|------|
| Method: A2540 C | | | | | | | | Batch: 110407_1_SLDS-TDS-W | | |
| Sample ID: MBLK1_110407 | | Method Blank | | | | Run: BAL-1_110407B | | | 04/07/11 15:48 | |
| Solids, Total Dissolved TDS @ 180 C | | ND | mg/L | 4 | | | | | | |
| Sample ID: LCS1_110407 | | Laboratory Control Sample | | | | Run: BAL-1_110407B | | | 04/07/11 15:48 | |
| Solids, Total Dissolved TDS @ 180 C | | 980 | mg/L | 10 | 98 | 90 | 110 | | | |
| Sample ID: C11040187-004ADUP | | Sample Duplicate | | | | Run: BAL-1_110407B | | | 04/07/11 15:53 | |
| Solids, Total Dissolved TDS @ 180 C | | 207 | mg/L | 10 | | | | 0.7 | 10 | |
| Sample ID: C11040222-001BMS | | Sample Matrix Spike | | | | Run: BAL-1_110407B | | | 04/07/11 15:54 | |
| Solids, Total Dissolved TDS @ 180 C | | 2240 | mg/L | 10 | 101 | 90 | 110 | | | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/26/11

Project: Marsland Baseline Samples

Work Order: C11040187

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|-------|------|-----------|----------------------|-----|----------|----------------|
| Method: A4500-F C | | | | | | | | | | Batch: R144644 |
| Sample ID: MBLK | | Method Blank | | | | | Run: MANTECH_110408A | | | 04/08/11 09:17 |
| Fluoride | | 0.02 | mg/L | 0.008 | | | | | | |
| Sample ID: LCS | | Laboratory Control Sample | | | | | Run: MANTECH_110408A | | | 04/08/11 09:24 |
| Fluoride | | 0.940 | mg/L | 0.10 | 92 | 90 | 110 | | | |
| Sample ID: C11040187-004BMS | | Sample Matrix Spike | | | | | Run: MANTECH_110408A | | | 04/08/11 12:23 |
| Fluoride | | 1.53 | mg/L | 0.10 | 95 | 80 | 120 | | | |
| Sample ID: C11040187-004BMSD | | Sample Matrix Spike Duplicate | | | | | Run: MANTECH_110408A | | | 04/08/11 12:27 |
| Fluoride | | 1.53 | mg/L | 0.10 | 95 | 80 | 120 | 0.0 | 10 | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/26/11

Project: Marsland Baseline Samples

Work Order: C11040187

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|---|-------|-------|------|-----------|-------------------------------------|-----|----------|----------------|
| Method: A4500-H B | | | | | | | Analytical Run: ORION555A-2_110407A | | | |
| Sample ID: ICV1_110407_1 | | Initial Calibration Verification Standard | | | | | | | | 04/07/11 13:40 |
| pH | | 6.91 | s.u. | 0.010 | 101 | 98 | 102 | | | |
| Method: A4500-H B | | | | | | | Batch: 110407_1_PH-W_555A-2 | | | |
| Sample ID: C11040172-002ADUP | | Sample Duplicate | | | | | | | | |
| | | Run: ORION555A-2_110407A | | | | | | | | 04/07/11 14:10 |
| pH | | 7.66 | s.u. | 0.010 | | | | 0.0 | 3 | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/26/11

Project: Marsland Baseline Samples

Work Order: C11040187

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|-------|------|-----------|------------------------|-----|----------|----------------|
| Method: A4500-NH3 G | | | | | | | | | | Batch: R144645 |
| Sample ID: MBLK-1 | | Method Blank | | | | | Run: TECHNICON_110408B | | | 04/08/11 15:55 |
| Nitrogen, Ammonia as N | | ND | mg/L | 0.02 | | | | | | |
| Sample ID: LCS-2 | | Laboratory Control Sample | | | | | Run: TECHNICON_110408B | | | 04/08/11 15:57 |
| Nitrogen, Ammonia as N | | 1.97 | mg/L | 0.050 | 99 | 90 | 110 | | | |
| Sample ID: C11040206-001BMS | | Sample Matrix Spike | | | | | Run: TECHNICON_110408B | | | 04/08/11 16:09 |
| Nitrogen, Ammonia as N | | 1.87 | mg/L | 0.050 | 95 | 80 | 120 | | | |
| Sample ID: C11040206-001BMSD | | Sample Matrix Spike Duplicate | | | | | Run: TECHNICON_110408B | | | 04/08/11 16:11 |
| Nitrogen, Ammonia as N | | 1.80 | mg/L | 0.050 | 92 | 80 | 120 | 3.8 | 10 | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/26/11

Project: Marsland Baseline Samples

Work Order: C11040187

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|--------|------|---------------------|------------|-----|----------|----------------|
| Method: E200.7 | | | | | | | | | | Batch: R144962 |
| Sample ID: MB-110418A | 11 | Method Blank | | | | Run: ICP2-C_110418A | | | | 04/18/11 12:59 |
| Aluminum | | ND | mg/L | 0.01 | | | | | | |
| Boron | | 0.03 | mg/L | 0.01 | | | | | | |
| Calcium | | ND | mg/L | 0.1 | | | | | | |
| Chromium | | ND | mg/L | 0.002 | | | | | | |
| Iron | | ND | mg/L | 0.001 | | | | | | |
| Magnesium | | ND | mg/L | 0.05 | | | | | | |
| Manganese | | ND | mg/L | 0.0003 | | | | | | |
| Potassium | | ND | mg/L | 0.05 | | | | | | |
| Silicon | | ND | mg/L | 0.007 | | | | | | |
| Sodium | | ND | mg/L | 0.2 | | | | | | |
| Vanadium | | ND | mg/L | 0.01 | | | | | | |
| Sample ID: LFB-110418A | 11 | Laboratory Fortified Blank | | | | Run: ICP2-C_110418A | | | | 04/18/11 13:03 |
| Aluminum | | 0.928 | mg/L | 0.10 | 93 | 85 | 115 | | | |
| Boron | | 0.960 | mg/L | 0.10 | 93 | 85 | 115 | | | |
| Calcium | | 48.0 | mg/L | 0.50 | 96 | 85 | 115 | | | |
| Chromium | | 0.932 | mg/L | 0.050 | 93 | 85 | 115 | | | |
| Iron | | 0.960 | mg/L | 0.030 | 96 | 85 | 115 | | | |
| Magnesium | | 48.1 | mg/L | 0.50 | 96 | 85 | 115 | | | |
| Manganese | | 0.927 | mg/L | 0.010 | 93 | 85 | 115 | | | |
| Potassium | | 43.1 | mg/L | 0.50 | 86 | 85 | 115 | | | |
| Silicon | | 0.449 | mg/L | 0.10 | 95 | 85 | 115 | | | |
| Sodium | | 49.2 | mg/L | 0.50 | 98 | 85 | 115 | | | |
| Vanadium | | 0.944 | mg/L | 0.10 | 94 | 85 | 115 | | | |
| Sample ID: C11040187-001CMS2 | 11 | Sample Matrix Spike | | | | Run: ICP2-C_110418A | | | | 04/18/11 14:16 |
| Aluminum | | 1.93 | mg/L | 0.10 | 95 | 70 | 130 | | | |
| Boron | | 2.15 | mg/L | 0.10 | 97 | 70 | 130 | | | |
| Calcium | | 105 | mg/L | 1.0 | 97 | 70 | 130 | | | |
| Chromium | | 1.99 | mg/L | 0.050 | 98 | 70 | 130 | | | |
| Iron | | 2.04 | mg/L | 0.030 | 100 | 70 | 130 | | | |
| Magnesium | | 99.6 | mg/L | 1.0 | 97 | 70 | 130 | | | |
| Manganese | | 1.95 | mg/L | 0.010 | 96 | 70 | 130 | | | |
| Potassium | | 99.9 | mg/L | 1.0 | 87 | 70 | 130 | | | |
| Silicon | | 42.5 | mg/L | 0.10 | | 70 | 130 | | | A |
| Sodium | | 216 | mg/L | 1.0 | 107 | 70 | 130 | | | |
| Vanadium | | 1.99 | mg/L | 0.10 | 98 | 70 | 130 | | | |
| Sample ID: C11040187-001CMSD | 11 | Sample Matrix Spike Duplicate | | | | Run: ICP2-C_110418A | | | | 04/18/11 14:20 |
| Aluminum | | 1.88 | mg/L | 0.10 | 92 | 70 | 130 | 2.6 | 20 | |
| Boron | | 2.18 | mg/L | 0.10 | 98 | 70 | 130 | 1.4 | 20 | |
| Calcium | | 104 | mg/L | 1.0 | 96 | 70 | 130 | 0.4 | 20 | |
| Chromium | | 1.98 | mg/L | 0.050 | 97 | 70 | 130 | 0.6 | 20 | |
| Iron | | 2.01 | mg/L | 0.030 | 98 | 70 | 130 | 1.1 | 20 | |
| Magnesium | | 99.7 | mg/L | 1.0 | 97 | 70 | 130 | 0.1 | 20 | |

Qualifiers:

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ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

MDC - Minimum detectable concentration



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/26/11

Project: Marsland Baseline Samples

Work Order: C11040187

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|--|-------|--------|-------|---------------------|------|-----------|------------|-----|----------------|------|
| Method: E200.7 | | | | | | | | | Batch: R144962 | |
| Sample ID: C11040187-001CMSD 11 Sample Matrix Spike Duplicate | | | | Run: ICP2-C_110418A | | | | | 04/18/11 14:20 | |
| Manganese | | 1.94 | mg/L | 0.010 | 95 | 70 | 130 | 0.6 | 20 | |
| Potassium | | 98.7 | mg/L | 1.0 | 86 | 70 | 130 | 1.3 | 20 | |
| Silicon | | 41.7 | mg/L | 0.10 | | 70 | 130 | 1.9 | 20 | A |
| Sodium | | 214 | mg/L | 1.0 | 104 | 70 | 130 | 1.2 | 20 | |
| Vanadium | | 2.04 | mg/L | 0.10 | 100 | 70 | 130 | 2.3 | 20 | |

Qualifiers:

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MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/26/11

Project: Marsland Baseline Samples

Work Order: C11040187

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|------------------------------|-------|----------------------------|-------|---------|-----------------------|-----------|------------|----------------|----------------|------|
| Method: E200.8 | | | | | | | | | Batch: R144696 | |
| Sample ID: LRB | 14 | Method Blank | | | Run: ICPMS2-C_110411A | | | 04/11/11 12:14 | | |
| Arsenic | | ND | mg/L | 6E-05 | | | | | | |
| Barium | | ND | mg/L | 3E-05 | | | | | | |
| Cadmium | | ND | mg/L | 1E-05 | | | | | | |
| Chromium | | 6E-05 | mg/L | 4E-05 | | | | | | |
| Copper | | ND | mg/L | 7E-05 | | | | | | |
| Lead | | ND | mg/L | 3E-05 | | | | | | |
| Manganese | | ND | mg/L | 5E-05 | | | | | | |
| Mercury | | ND | mg/L | 8E-05 | | | | | | |
| Molybdenum | | ND | mg/L | 5E-05 | | | | | | |
| Nickel | | ND | mg/L | 0.0007 | | | | | | |
| Selenium | | ND | mg/L | 0.0002 | | | | | | |
| Uranium | | ND | mg/L | 1E-05 | | | | | | |
| Vanadium | | ND | mg/L | 3E-05 | | | | | | |
| Zinc | | ND | mg/L | 0.0003 | | | | | | |
| Sample ID: LFB | 14 | Laboratory Fortified Blank | | | Run: ICPMS2-C_110411A | | | 04/11/11 12:21 | | |
| Arsenic | | 0.0521 | mg/L | 0.0010 | 104 | 85 | 115 | | | |
| Barium | | 0.0525 | mg/L | 0.0010 | 105 | 85 | 115 | | | |
| Cadmium | | 0.0514 | mg/L | 0.0010 | 103 | 85 | 115 | | | |
| Chromium | | 0.0511 | mg/L | 0.0010 | 102 | 85 | 115 | | | |
| Copper | | 0.0515 | mg/L | 0.0010 | 103 | 85 | 115 | | | |
| Lead | | 0.0511 | mg/L | 0.0010 | 102 | 85 | 115 | | | |
| Manganese | | 0.0514 | mg/L | 0.0010 | 103 | 85 | 115 | | | |
| Mercury | | 0.00532 | mg/L | 0.0010 | 106 | 85 | 115 | | | |
| Molybdenum | | 0.0518 | mg/L | 0.0010 | 104 | 85 | 115 | | | |
| Nickel | | 0.0511 | mg/L | 0.0010 | 102 | 85 | 115 | | | |
| Selenium | | 0.0529 | mg/L | 0.0010 | 106 | 85 | 115 | | | |
| Uranium | | 0.0497 | mg/L | 0.00030 | 99 | 85 | 115 | | | |
| Vanadium | | 0.0510 | mg/L | 0.0010 | 102 | 85 | 115 | | | |
| Zinc | | 0.0521 | mg/L | 0.0010 | 104 | 85 | 115 | | | |
| Sample ID: C11040280-002BMS4 | 14 | Sample Matrix Spike | | | Run: ICPMS2-C_110411A | | | 04/11/11 20:55 | | |
| Arsenic | | 0.0518 | mg/L | 0.0010 | 102 | 70 | 130 | | | |
| Barium | | 0.0668 | mg/L | 0.0010 | 108 | 70 | 130 | | | |
| Cadmium | | 0.0457 | mg/L | 0.010 | 91 | 70 | 130 | | | |
| Chromium | | 0.0500 | mg/L | 0.0010 | 99 | 70 | 130 | | | |
| Copper | | 0.0500 | mg/L | 0.010 | 95 | 70 | 130 | | | |
| Lead | | 0.0547 | mg/L | 0.050 | 109 | 70 | 130 | | | |
| Manganese | | 0.242 | mg/L | 0.010 | 88 | 70 | 130 | | | |
| Mercury | | 0.00515 | mg/L | 0.0010 | 103 | 70 | 130 | | | |
| Molybdenum | | 0.0541 | mg/L | 0.0010 | 106 | 70 | 130 | | | |
| Nickel | | 0.0544 | mg/L | 0.050 | 97 | 70 | 130 | | | |
| Selenium | | 0.0680 | mg/L | 0.0010 | 93 | 70 | 130 | | | |
| Uranium | | 0.0797 | mg/L | 0.00030 | 119 | 70 | 130 | | | |
| Vanadium | | 0.0521 | mg/L | 0.0010 | 104 | 70 | 130 | | | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/26/11

Project: Marsland Baseline Samples

Work Order: C11040187

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|------------|---------|------|-----------|-----------------------|-----|----------|----------------|
| Method: E200.8 | | | | | | | | | | Batch: R144696 |
| Sample ID: C11040280-002BMS4 | 14 | Sample Matrix Spike | | | | | Run: ICPMS2-C_110411A | | | 04/11/11 20:55 |
| Zinc | | 0.0462 | mg/L | 0.010 | 82 | 70 | 130 | | | |
| Sample ID: C11040280-002BMSD | 14 | Sample Matrix Spike Duplicate | | | | | Run: ICPMS2-C_110411A | | | 04/11/11 21:02 |
| Arsenic | | 0.0552 | mg/L | 0.0010 | 109 | 70 | 130 | 6.2 | 20 | |
| Barium | | 0.0698 | mg/L | 0.0010 | 114 | 70 | 130 | 4.4 | 20 | |
| Cadmium | | 0.0489 | mg/L | 0.010 | 98 | 70 | 130 | 6.7 | 20 | |
| Chromium | | 0.0532 | mg/L | 0.0010 | 106 | 70 | 130 | 6.3 | 20 | |
| Copper | | 0.0534 | mg/L | 0.010 | 102 | 70 | 130 | 6.7 | 20 | |
| Lead | | 0.0587 | mg/L | 0.050 | 117 | 70 | 130 | 7.2 | 20 | |
| Manganese | | 0.246 | mg/L | 0.010 | 95 | 70 | 130 | 1.4 | 20 | |
| Mercury | | 0.00555 | mg/L | 0.0010 | 111 | 70 | 130 | 7.5 | 20 | |
| Molybdenum | | 0.0585 | mg/L | 0.0010 | 115 | 70 | 130 | 7.9 | 20 | |
| Nickel | | 0.0596 | mg/L | 0.050 | 108 | 70 | 130 | 9.3 | 20 | |
| Selenium | | 0.0703 | mg/L | 0.0010 | 97 | 70 | 130 | 3.3 | 20 | |
| Uranium | | 0.0842 | mg/L | 0.00030 | 128 | 70 | 130 | 5.5 | 20 | |
| Vanadium | | 0.0550 | mg/L | 0.0010 | 110 | 70 | 130 | 5.3 | 20 | |
| Zinc | | 0.0490 | mg/L | 0.010 | 88 | 70 | 130 | 5.9 | 20 | |
| Method: E200.8 | | | | | | | | | | Batch: 29522A |
| Sample ID: C11040187-004HMS | | Sample Matrix Spike | | | | | Run: ICPMS4-C_110413A | | | 04/13/11 17:39 |
| Uranium | | 0.00488 | mg/L | 0.00030 | 108 | 70 | 130 | | | |
| Sample ID: C11040187-004HMSD | | Sample Matrix Spike Duplicate | | | | | Run: ICPMS4-C_110413A | | | 04/13/11 17:43 |
| Uranium | | 0.00484 | mg/L | 0.00030 | 107 | 70 | 130 | 0.8 | 20 | |
| Sample ID: MB-29522 | | Method Blank | | | | | Run: ICPMS4-C_110413A | | | 04/13/11 14:15 |
| Uranium | | 0.0001 | pCi/Filter | | | | | | | |
| Sample ID: LCS2-29522 | | Laboratory Control Sample | | | | | Run: ICPMS4-C_110413A | | | 04/13/11 14:19 |
| Uranium | | 0.105 | pCi/Filter | 0.00030 | 104 | 85 | 115 | | | |

Qualifiers:

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MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/26/11

Project: Marsland Baseline Samples

Work Order: C11040187

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|---|-------|------|------|-----------|------------|-------------------------------|----------|----------------|
| Method: E300.0 | | | | | | | | Analytical Run: IC2-C_110407A | | |
| Sample ID: ICV | 2 | Initial Calibration Verification Standard | | | | | | | | 04/07/11 19:20 |
| Chloride | | 9.81 | mg/L | 1.0 | 98 | 90 | 110 | | | |
| Sulfate | | 40.8 | mg/L | 1.0 | 102 | 90 | 110 | | | |
| Method: E300.0 | | | | | | | | Batch: R144657 | | |
| Sample ID: MBLK | 2 | Method Blank | | | | | | | | 04/07/11 19:35 |
| Chloride | | 0.04 | mg/L | 0.04 | | | | | | |
| Sulfate | | 0.2 | mg/L | 0.1 | | | | | | |
| Sample ID: LFB | 2 | Laboratory Fortified Blank | | | | | | | | 04/07/11 20:06 |
| Chloride | | 12.2 | mg/L | 1.0 | 97 | 90 | 110 | | | |
| Sulfate | | 50.5 | mg/L | 1.0 | 101 | 90 | 110 | | | |
| Sample ID: C11040187-002BMS | 2 | Sample Matrix Spike | | | | | | | | 04/08/11 21:31 |
| Chloride | | 52.3 | mg/L | 1.0 | 104 | 80 | 120 | | | |
| Sulfate | | 140 | mg/L | 1.6 | 102 | 80 | 120 | | | |
| Sample ID: C11040187-002BMDS | 2 | Sample Matrix Spike Duplicate | | | | | | | | 04/08/11 21:47 |
| Chloride | | 52.0 | mg/L | 1.0 | 103 | 80 | 120 | 0.7 | 10 | |
| Sulfate | | 140 | mg/L | 1.6 | 102 | 80 | 120 | 0.2 | 10 | |

Qualifiers:

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MDC - Minimum detectable concentration



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/26/11

Project: Marsland Baseline Samples

Work Order: C11040187

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|------|------|-----------|------------------------|-----|----------|----------------|
| Method: E353.2 | | | | | | | | | | Batch: R144602 |
| Sample ID: MBLK-1 | | Method Blank | | | | | Run: TECHNICON_110407A | | | 04/07/11 12:21 |
| Nitrogen, Nitrate+Nitrite as N | | ND | mg/L | 0.06 | | | | | | |
| Sample ID: LCS-2 | | Laboratory Control Sample | | | | | Run: TECHNICON_110407A | | | 04/07/11 12:23 |
| Nitrogen, Nitrate+Nitrite as N | | 2.64 | mg/L | 0.10 | 106 | 90 | 110 | | | |
| Sample ID: C11040187-004GMS | | Sample Matrix Spike | | | | | Run: TECHNICON_110407A | | | 04/07/11 17:43 |
| Nitrogen, Nitrate+Nitrite as N | | 2.90 | mg/L | 0.10 | 100 | 90 | 110 | | | |
| Sample ID: C11040187-004GMSD | | Sample Matrix Spike Duplicate | | | | | Run: TECHNICON_110407A | | | 04/07/11 17:46 |
| Nitrogen, Nitrate+Nitrite as N | | 2.89 | mg/L | 0.10 | 99 | 90 | 110 | 0.3 | 10 | |

Qualifiers:

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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples

Report Date: 05/26/11
Work Order: C11040187

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------------------------------|--------------|-------|-----|------|-----------------------------|------------|----------------|----------|-------------------|
| Method: E903.0 | | | | | | | | | | Batch: 29522 |
| Sample ID: C11040105-001HMS | Sample Matrix Spike | | | | | Run: BERTHOLD 770-1_110419A | | 04/26/11 01:26 | | |
| Radium 226 | 11 | | pCi/L | 108 | | 70 | 130 | | | |
| Sample ID: C11040105-001HMSD | Sample Matrix Spike Duplicate | | | | | Run: BERTHOLD 770-1_110419A | | 04/26/11 01:26 | | |
| Radium 226 | 12 | | pCi/L | 114 | | 70 | 130 | 8.8 | 25 | |
| Sample ID: LCS-29522 | Laboratory Control Sample | | | | | Run: BERTHOLD 770-1_110419A | | 04/26/11 03:02 | | |
| Radium 226 | 13 | | pCi/L | 113 | | 85 | 115 | | | |
| Sample ID: MB-29522 | 3 | Method Blank | | | | Run: BERTHOLD 770-1_110419A | | 04/26/11 03:02 | | |
| Radium 226 | | -0.2 | pCi/L | | | | | | | U |
| Radium 226 precision (\pm) | | 0.1 | pCi/L | | | | | | | |
| Radium 226 MDC | | 0.3 | pCi/L | | | | | | | |
| Method: E903.0 | | | | | | | | | | Batch: RA226-5282 |
| Sample ID: C11040060-001CMS | Sample Matrix Spike | | | | | Run: BERTHOLD 770-2_110407A | | 04/13/11 11:40 | | |
| Radium 226 | 12 | | pCi/L | 97 | | 70 | 130 | | | |
| Sample ID: C11040060-001CMSD | Sample Matrix Spike Duplicate | | | | | Run: BERTHOLD 770-2_110407A | | 04/13/11 11:40 | | |
| Radium 226 | 13 | | pCi/L | 101 | | 70 | 130 | 3.9 | 27 | |
| Sample ID: MB-RA226-5282 | 3 | Method Blank | | | | Run: BERTHOLD 770-2_110407A | | 04/13/11 11:40 | | |
| Radium 226 | | -0.1 | pCi/L | | | | | | | U |
| Radium 226 precision (\pm) | | 0.09 | pCi/L | | | | | | | |
| Radium 226 MDC | | 0.2 | pCi/L | | | | | | | |
| Sample ID: LCS-RA226-5282 | Laboratory Control Sample | | | | | Run: BERTHOLD 770-2_110407A | | 04/13/11 11:40 | | |
| Radium 226 | 6.9 | | pCi/L | 111 | | 85 | 115 | | | |

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples

Report Date: 05/26/11
Work Order: C11040187

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|---|-------------------------------|--------------|-------|------------------------|------|-----------|----------------|-----|----------|-----------------------|
| Method: E908.0 | | | | | | | | | | Batch: 29522 |
| Sample ID: C11040187-004HMS | Sample Matrix Spike | | | Run: EGG-ORTEC_110425D | | | 04/28/11 08:51 | | | |
| Thorium 230 | | 9.7 | pCi/L | 116 | | 70 | 130 | | | |
| Sample ID: C11040187-004HMSD | Sample Matrix Spike Duplicate | | | Run: EGG-ORTEC_110425D | | | 04/28/11 08:51 | | | |
| Thorium 230 | | 16 | pCi/L | 188 | | 70 | 130 | 51 | 54.6 | S |
| - Spike response is outside of the acceptance range for this analysis. Since the LCS, MS, and all tracer recoveries are acceptable the batch is approved. | | | | | | | | | | |
| Sample ID: LCS-29522 | Laboratory Control Sample | | | Run: EGG-ORTEC_110425D | | | 04/28/11 08:51 | | | |
| Thorium 230 | | 11 | pCi/L | 113 | | 70 | 130 | | | |
| Sample ID: MB-29522 | 3 | Method Blank | | Run: EGG-ORTEC_110425D | | | 04/28/11 08:51 | | | |
| Thorium 230 | | -0.2 | pCi/L | | | | | | | U |
| Thorium 230 precision (±) | | 0.1 | pCi/L | | | | | | | |
| Thorium 230 MDC | | 0.3 | pCi/L | | | | | | | |
| Method: E908.0 | | | | | | | | | | Batch: RA-TH-ISO-1373 |
| Sample ID: LCS-RA-TH-ISO-1373 | Laboratory Control Sample | | | Run: EGG-ORTEC_110428A | | | 05/02/11 09:12 | | | |
| Thorium 230 | | 5.4 | pCi/L | 96 | | 70 | 130 | | | |
| Sample ID: C11040105-001DMS | Sample Matrix Spike | | | Run: EGG-ORTEC_110428A | | | 05/02/11 09:11 | | | |
| Thorium 230 | | 12 | pCi/L | 102 | | 70 | 130 | | | |
| Sample ID: C11040105-001DMSD | Sample Matrix Spike Duplicate | | | Run: EGG-ORTEC_110428A | | | 05/02/11 09:11 | | | |
| Thorium 230 | | 12 | pCi/L | 101 | | 70 | 130 | 0.4 | 37.2 | |
| Sample ID: MB-RA-TH-ISO-1373 | 3 | Method Blank | | Run: EGG-ORTEC_110428A | | | 05/02/11 13:54 | | | |
| Thorium 230 | | -0.01 | pCi/L | | | | | | | U |
| Thorium 230 precision (±) | | 0.06 | pCi/L | | | | | | | |
| Thorium 230 MDC | | 0.1 | pCi/L | | | | | | | |

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
U - Not detected at minimum detectable concentration

ND - Not detected at the reporting limit.
S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/26/11

Project: Marsland Baseline Samples

Work Order: C11040187

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|----|------|-----------------|------------|-----|----------|----------------------|
| Method: E909.0 | | | | | | | | | | Batch: T_13773 |
| Sample ID: T11040038-001HMSD | | Sample Matrix Spike Duplicate | | | | Run: SUB-T40245 | | | | 05/07/11 05:23 |
| Lead 210 | | 73 | pCi/L | | 77 | 70 | 130 | 1.9 | | 16.1 |
| Sample ID: T11040038-001HMS | | Sample Matrix Spike | | | | Run: SUB-T40245 | | | | 05/07/11 03:11 |
| Lead 210 | | 74 | pCi/L | | 78 | 70 | 130 | | | |
| Sample ID: LCS-13773 | | Laboratory Control Sample | | | | Run: SUB-T40245 | | | | 05/06/11 22:49 |
| Lead 210 | | 290 | pCi/L | | 81 | 70 | 130 | | | |
| Sample ID: MB-13773 | 3 | Method Blank | | | | Run: SUB-T40245 | | | | 05/06/11 20:37 |
| Lead 210 | | -2 | pCi/L | | | | | | | U |
| Lead 210 precision (±) | | 5 | pCi/L | | | | | | | |
| Lead 210 MDC | | 8 | pCi/L | | | | | | | |
| Method: E909.0 | | | | | | | | | | Batch: T_PB-210-0088 |
| Sample ID: T11040038-001FMSD | | Sample Matrix Spike Duplicate | | | | Run: SUB-T40352 | | | | 05/10/11 21:17 |
| Lead 210 | | 100 | pCi/L | | 97 | 70 | 130 | 7.6 | | 15.9 |
| Sample ID: MB-PB-210-0088 | 3 | Method Blank | | | | Run: SUB-T40352 | | | | 05/09/11 19:00 |
| Lead 210 | | -0.2 | pCi/L | | | | | | | U |
| Lead 210 precision (±) | | 1 | pCi/L | | | | | | | |
| Lead 210 MDC | | 2 | pCi/L | | | | | | | |
| Sample ID: LCS-PB-210-0088 | | Laboratory Control Sample | | | | Run: SUB-T40352 | | | | 05/09/11 21:11 |
| Lead 210 | | 77 | pCi/L | | 108 | 70 | 130 | | | |
| Sample ID: T11040038-001FMS | | Sample Matrix Spike | | | | Run: SUB-T40352 | | | | 05/10/11 19:06 |
| Lead 210 | | 110 | pCi/L | | 105 | 70 | 130 | | | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

U - Not detected at minimum detectable concentration



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples

Report Date: 05/26/11
Work Order: C11040187

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------------------------------|--------|-------|------------------------|------|-----------|----------------|-----|----------|-------------------|
| Method: E912.0 | | | | | | | | | | Batch: PO210-0364 |
| Sample ID: C11040187-001EMS | Sample Matrix Spike | | | Run: EGG-ORTEC_110425B | | | 04/27/11 08:39 | | | |
| Polonium 210 | 12 | pCi/L | | 93 | | 70 | 130 | | | |
| Sample ID: C11040187-001EMSD | Sample Matrix Spike Duplicate | | | Run: EGG-ORTEC_110425B | | | 04/27/11 10:52 | | | |
| Polonium 210 | 12 | pCi/L | | 90 | | 70 | 130 | 3.1 | 79.2 | |
| Sample ID: MB-PO210-0364 | 3 Method Blank | | | Run: EGG-ORTEC_110425B | | | 04/27/11 10:52 | | | |
| Polonium 210 | | 0.07 | pCi/L | | | | | | | U |
| Polonium 210 precision (\pm) | | 0.3 | pCi/L | | | | | | | |
| Polonium 210 MDC | | 0.5 | pCi/L | | | | | | | |
| Sample ID: LCS-PO210-0364 | Laboratory Control Sample | | | Run: EGG-ORTEC_110425B | | | 04/27/11 10:52 | | | |
| Polonium 210 | | 6.3 | pCi/L | 99 | | 70 | 130 | | | |
| Method: E912.0 | | | | | | | | | | Batch: 29522 |
| Sample ID: C11040187-004HMS | Sample Matrix Spike | | | Run: EGG-ORTEC_110503B | | | 05/05/11 08:56 | | | |
| Polonium 210 | 6.0 | pCi/L | | 112 | | 70 | 130 | | | |
| Sample ID: C11040187-004HMSD | Sample Matrix Spike Duplicate | | | Run: EGG-ORTEC_110503B | | | 05/05/11 08:56 | | | |
| Polonium 210 | 6.1 | pCi/L | | 115 | | 70 | 130 | 2.5 | 70.8 | |
| Sample ID: LCS-29522 | Laboratory Control Sample | | | Run: EGG-ORTEC_110503B | | | 05/05/11 08:56 | | | |
| Polonium 210 | 35 | pCi/L | | 118 | | 70 | 130 | | | |
| Sample ID: MB-29522 | 3 Method Blank | | | Run: EGG-ORTEC_110503B | | | 05/05/11 08:56 | | | |
| Polonium 210 | | -0.1 | pCi/L | | | | | | | U |
| Polonium 210 precision (\pm) | | 1 | pCi/L | | | | | | | |
| Polonium 210 MDC | | 3 | pCi/L | | | | | | | |

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



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Gillette, WY 866-686-7175 • Rapid City, SD 888-672-1225 • College Station, TX 888-690-2218

Workorder Receipt Checklist



C11040187

Login completed by: Edith McPike
Reviewed by: BL2000\Tedwards
Reviewed Date: 4/7/2011

Date Received: 4/6/2011

Received by: ha

Carrier Ground
name:

| | | | |
|---|---|-----------------------------|--|
| Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Container/Temp Blank temperature: | 6.8°C On Ice | | |
| Water - VOA vials have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | No VOA vials submitted <input checked="" type="checkbox"/> |
| Water - pH acceptable upon receipt? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Applicable <input type="checkbox"/> |

Contact and Corrective Action Comments:

Samples filtered and preserved in the laboratory for dissolved radionuclides.



Chain of Custody and Analytical Request Record

Page 1 of 1

PLEASE PRINT- Provide as much information as possible.

| | | | | | | | | | | | | | | | |
|---|---|-----------------|---|--|----------------------------|-------------------------|----------------------------|---|---|---|------------|---|--------------------------|-----------------------|-----------------------------------|
| Company Name: Crow Butte Resources, Inc. | | | Project Name Marsland Baseline Samples | | | Sample Origin State: | | EPA/State Compliance: Yes <input type="checkbox"/> No <input type="checkbox"/> | | | | | | | |
| Report Mail Address: P.O. Box 169 Crawford, NE 69339 | | | Contact Name: Larry Teahon | | Phone/Fax: 308-665-2341 | | Email: daxmynus@msn.com | | Sampler: (Please Print) Brooke Bass Rhonda Pelton | | | | | | |
| Invoice Address: P.O. Box 169 Crawford, NE 69339 | | | Invoice Contact & Phone: Larry Teahon 308-665-2215 ext 114 | | | Purchase Order: 1125 | | Quote/Bottle Order: | | | | | | | |
| Special Report/Formats – ELI must be notified prior to sample submittal for the following: <input type="checkbox"/> DW <input type="checkbox"/> A2LA <input type="checkbox"/> GSA <input type="checkbox"/> EDD/EDT (Electronic Data) <input type="checkbox"/> POTW/WWTP <input type="checkbox"/> Format: _____ <input type="checkbox"/> State: _____ <input type="checkbox"/> LEVEL IV <input type="checkbox"/> Other: _____ <input type="checkbox"/> NELAC | | | Number of Containers Sample Type: A W S V B O Air Water Soils Solids Vegetation Bioassay Other | ANALYSIS REQUESTED | | | | | | | | RUSH Contact ELI prior to RUSH sample submittal for charges and scheduling – See Instruction Page Comments: NDEQ parameters for baseline sampling. Report on separate sheets. Analyze as per WDEQ Guideline 8 and NRC Reg. Guide 4.14 requirements. Record U as mg/L and µCi/ml and radiometrics as pCi/L. | Shipped by: Give | | |
| | | | | SEE ATTACHED Normal Turnaround (TAT) | | | | | | | | | Cooler ID(s): C114012 | | |
| SAMPLE IDENTIFICATION (Name, Location, Interval, etc.) | | Collection Date | Collection Time | | | | | | | | | MATRIX | HNO3-F, Metals | RAW-F, Common Ions | RAW-UF, Alkalinity |
| 1 BOW-2 | | 4/1/11 | | Water | .5 | 1 | 1 | .5 | 1 | 1 | 1 | | | Please report 5/10/11 | Custody Seal Y N |
| 2 BOW-3 | | 4/1/11 | | Water | .5 | 1 | 1 | .5 | 1 | 1 | 1 | | | Please report 5/10/11 | Intact Y N |
| 3 BOW-5 | | 4/1/11 | | Water | .5 | 1 | 1 | .5 | 1 | 1 | 1 | | | Please report 5/10/11 | Signature Y N |
| 4 BOW-6 | | 4/1/11 | | Water | .5 | 1 | 1 | .5 | 1 | 1 | 1 | | | Please report 5/10/11 | Match Y N |
| 5 | | | | | | | | | | | | | | | LABORATORY USE ONLY 11/1040187 |
| 6 | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | |
| Custody Record MUST be Signed | Relinquished by (print): Brooke Bass | | Date/Time: 4/4/11 11:50am | | Signature: Brooke Bass | | Received by (print): | | Date/Time: | | Signature: | | | | |
| | Relinquished by (print): | | Date/Time: | | Signature: | | Received by (print): | | Date/Time: | | Signature: | | | | |
| | Sample Disposal: Return to Client: No | | Lab Disposal: YES | | Received by Laboratory: | | Date/Time: 4/4/11 9:20 | | Signature: Hickman | | | | | | |

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report. Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.

CROW BUTTE RESOURCES, INC.
CROW BUTTE PROJECTNo. 2DATE: 4/2/11ANALYST: jt

STANDARD CURVE DATA

| | | | | | | | |
|-----|----|------|------|------|--------|--|--|
| | BL | .01 | .05 | .1 | 999995 | | |
| Abs | | .035 | .174 | .346 | | | |
| Abs | | | | | | | |

| SAMPLE # | VOLUME | DC | Abs | NO2 PP/L |
|------------------------|------------------------|----|-----------|----------|
| 1 Bow 2 | 10ml | 1 | .013 | 20.01 |
| 2 Bow 3 | 10ml | | .448 .448 | .013 |
| 3 Bow 5 | 10ml | | .001 | 20.01 |
| 4 Bow 6 | 10ml | | .005 .004 | 20.01 |
| 5 | | | | |
| Dup Dup Bow 3 | 10ml set up new sample | 1 | .452 | .013 |
| 6 Dup Bow 3 | | | .448 | .013 |
| 7 Dup Bow 6 | | | .004 | 20.01 |
| 8 | | | | |
| 9 Dup 5ml Sample Bow 3 | | 2 | 222 | .013 |
| 10 | | | | |
| Dup | | | | |
| 11 | | | | |
| 12 | | | | |
| 13 | | | | |
| 14 | | | | |
| 15 | | | | |
| Dup | | | | |
| 16 | | | | |
| 17 | | | | |
| 18 | | | | |
| 19 | | | | |
| 20 | | | | |
| Dup | | | | |
| 21 | | | | |
| 22 | | | | |
| 23 | | | | |
| 24 | | | | |
| 25 | | | | |
| Dup | | | | |



ANALYTICAL SUMMARY REPORT

May 31, 2011

Crow Butte Resources
86 Crow Butte Rd
Crawford, NE 69339

Workorder No.: C11040296 Quote ID: C1125 - Crow Butte Uranium

Project Name: Marsland Baseline Samples

Energy Laboratories, Inc. Casper WY received the following 3 samples for Crow Butte Resources on 4/8/2011 for analysis.

| Sample ID | Client Sample ID | Collect Date | Receive Date | Matrix | Test |
|---------------|------------------|----------------|--------------|---------|--|
| C11040296-001 | BOW-4A | 04/05/11 00:00 | 04/08/11 | Aqueous | Metals by ICP/ICPMS, Dissolved Alkalinity QA Calculations Conductivity Sample Filtering Fluoride E300.0 Anions Uranium, Suspended Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Digestion, Total Metals Lead 210, Dissolved Lead 210, Suspended Polonium 210, Dissolved Polonium 210, Suspended Radium 226, Dissolved Radium 226, Suspended Thorium, Isotopic Thorium, Suspended Isotopic Solids, Total Dissolved |
| C11040296-002 | BOW-7 | 04/05/11 00:00 | 04/08/11 | Aqueous | Same As Above |
| C11040296-003 | BOW-8 | 04/05/11 00:00 | 04/08/11 | Aqueous | Same As Above |

This report was prepared by Energy Laboratories, Inc., 2393 Salt Creek Hwy., Casper, WY 82601. Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

The results as reported relate only to the item(s) submitted for testing.

If you have any questions regarding these test results, please call.

Report Approved By:



CLIENT: Crow Butte Resources
Project: Marsland Baseline Samples
Sample Delivery Group: C11040296

Report Date: 05/31/11

CASE NARRATIVE

RADIOCHEMISTRY ANALYSIS

Per client request, results less than MDC (or precision if no MDC), are reported as <MDC (or <precision). Actual instrument results are available by request.

BRANCH LABORATORY SUBCONTRACT ANALYSIS

Tests associated with analyst identified as ELI-CS were subcontracted to Energy Laboratories, 415 Graham Rd., College Station, TX, EPA Number TX01520.

ORIGINAL SAMPLE SUBMITTAL(S)

All original sample submittals have been returned with the data package.

SAMPLE TEMPERATURE COMPLIANCE: 4°C (±2°C)

Temperature of samples received may not be considered properly preserved by accepted standards. Samples that are hand delivered immediately after collection shall be considered acceptable if there is evidence that the chilling process has begun.

GROSS ALPHA ANALYSIS

Method 900.0 for gross alpha and gross beta is intended as a drinking water method for low TDS waters. Data provided by this method for non potable waters should be viewed as inconsistent.

SOIL/SOLID SAMPLES

All samples reported on an as received basis unless otherwise indicated.

SUBCONTRACTING ANALYSIS

Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.

BRANCH LABORATORY LOCATIONS

eli-b - Energy Laboratories, Inc. - Billings, MT
eli-g - Energy Laboratories, Inc. - Gillette, WY
eli-h - Energy Laboratories, Inc. - Helena, MT
eli-r - Energy Laboratories, Inc. - Rapid City, SD
eli-t - Energy Laboratories, Inc. - College Station, TX

CERTIFICATIONS:

USEPA: WY00002; FL-DOH NELAC: E87641; California: 02118CA
Oregon: WY200001; Utah: 3072350515; Virginia: 00057; Washington: C1903

ISO 17025 DISCLAIMER:

The results of this Analytical Report relate only to the items submitted for analysis.

ENERGY LABORATORIES, INC. - CASPER, WY certifies that certain method selections contained in this report meet requirements as set forth by the above accrediting authorities. Some results requested by the client may not be covered under these certifications. All analysis data to be submitted for regulatory enforcement should be certified in the sample state of origin. Please verify ELI's certification coverage by visiting www.energylab.com

ELI appreciates the opportunity to provide you with this analytical service. For additional information and services visit our web page www.energylab.com.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11040296-001
Client Sample ID: BOW-4A

Report Date: 05/31/11
Collection Date: 04/05/11
Date Received: 04/08/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 175 | mg/L | | 1 | | A2320 B | 04/09/11 02:41 / jba |
| Carbonate as CO ₃ | 16 | mg/L | | 1 | | A2320 B | 04/09/11 02:41 / jba |
| Bicarbonate as HCO ₃ | 180 | mg/L | | 1 | | A2320 B | 04/09/11 02:41 / jba |
| Calcium | 13 | mg/L | | 1 | | E200.7 | 04/21/11 19:10 / cp |
| Chloride | 24 | mg/L | | 1 | | E300.0 | 04/13/11 04:49 / ljl |
| Fluoride | 0.5 | mg/L | | 0.1 | | A4500-F C | 04/13/11 09:22 / jba |
| Magnesium | 2 | mg/L | | 1 | | E200.7 | 04/21/11 19:10 / cp |
| Nitrogen, Ammonia as N | ND | mg/L | | 0.05 | | A4500-NH ₃ G | 04/11/11 12:42 / dc |
| Nitrogen, Nitrate+Nitrite as N | 1.2 | mg/L | | 0.1 | | E353.2 | 04/14/11 12:26 / dc |
| Potassium | 11 | mg/L | | 1 | | E200.7 | 04/21/11 19:10 / cp |
| Silica | 78.2 | mg/L | | 0.2 | | E200.7 | 04/21/11 19:10 / cp |
| Sodium | 100 | mg/L | | 1 | | E200.7 | 04/21/11 19:10 / cp |
| Sulfate | 50 | mg/L | D | 2 | | E300.0 | 04/13/11 04:49 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 514 | umhos/cm | | 1 | | A2510 B | 04/08/11 17:05 / lr |
| pH | 8.92 | s.u. | | 0.01 | | A4500-H B | 04/08/11 17:05 / lr |
| Solids, Total Dissolved TDS @ 180 C | 358 | mg/L | | 10 | | A2540 C | 04/08/11 17:01 / lr |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.7 | 04/21/11 19:10 / cp |
| Arsenic | 0.015 | mg/L | | 0.001 | | E200.8 | 04/12/11 02:07 / sml |
| Barium | ND | mg/L | | 0.1 | | E200.8 | 04/12/11 02:07 / sml |
| Boron | 0.1 | mg/L | | 0.1 | | E200.7 | 04/21/11 19:10 / cp |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 04/12/11 02:07 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 04/12/11 02:07 / sml |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 04/12/11 02:07 / sml |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 04/21/11 19:10 / cp |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 04/12/11 02:07 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 04/12/11 02:07 / sml |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 04/12/11 02:07 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 04/12/11 02:07 / sml |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 04/12/11 02:07 / sml |
| Selenium | 0.009 | mg/L | | 0.001 | | E200.8 | 04/12/11 02:07 / sml |
| Uranium | 0.0095 | mg/L | | 0.0003 | | E200.8 | 04/12/11 02:07 / sml |
| Uranium, Activity | 6.4E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 04/12/11 02:07 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 04/12/11 02:07 / sml |
| Zinc | ND | mg/L | | 0.01 | | E200.8 | 04/12/11 02:07 / sml |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 04/13/11 21:12 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 04/13/11 21:12 / sml |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11040296-001
Client Sample ID: BOW-4A

Report Date: 05/31/11
Collection Date: 04/05/11
Date Received: 04/08/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|-----|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 05/13/11 11:53 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 05/13/11 11:53 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 05/13/11 11:53 / eli-cs |
| Polonium 210 | <1.1 | pCi/L | U | 1.1 | | E912.0 | 05/09/11 09:07 / ep |
| Polonium 210 precision (±) | 0.6 | pCi/L | | | | E912.0 | 05/09/11 09:07 / ep |
| Polonium 210 MDC | 1.1 | pCi/L | | | | E912.0 | 05/09/11 09:07 / ep |
| Radium 226 | <0.2 | pCi/L | U | 0.2 | | E903.0 | 04/25/11 14:18 / dmf |
| Radium 226 precision (±) | 0.1 | pCi/L | | | | E903.0 | 04/25/11 14:18 / dmf |
| Radium 226 MDC | 0.2 | pCi/L | | | | E903.0 | 04/25/11 14:18 / dmf |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 05/02/11 09:12 / dmf |
| Thorium 230 precision (±) | 0.1 | pCi/L | | | | E908.0 | 05/02/11 09:12 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 05/02/11 09:12 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <1.1 | pCi/L | U | 1.1 | | E909.0 | 05/19/11 15:03 / eli-cs |
| Lead 210 precision (±) | 0.7 | pCi/L | | | | E909.0 | 05/19/11 15:03 / eli-cs |
| Lead 210 MDC | 1.1 | pCi/L | | | | E909.0 | 05/19/11 15:03 / eli-cs |
| Polonium 210 | <0.2 | pCi/L | U | 0.2 | | E912.0 | 05/05/11 08:57 / ep |
| Polonium 210 precision (±) | 0.08 | pCi/L | | | | E912.0 | 05/05/11 08:57 / ep |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 05/05/11 08:57 / ep |
| Radium 226 | <0.1 | pCi/L | U | 0.1 | | E903.0 | 04/26/11 01:24 / trs |
| Radium 226 precision (±) | 0.07 | pCi/L | | | | E903.0 | 04/26/11 01:24 / trs |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 04/26/11 01:24 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 05/09/11 14:36 / dmf |
| Thorium 230 precision (±) | 0.08 | pCi/L | | | | E908.0 | 05/09/11 14:36 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 05/09/11 14:36 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 1.48 | % | | | | Calculation | 04/29/11 15:39 / kbh |
| Anions | 5.30 | meq/L | | | | Calculation | 04/29/11 15:39 / kbh |
| Cations | 5.46 | meq/L | | | | Calculation | 04/29/11 15:39 / kbh |
| Solids, Total Dissolved Calculated | 409 | mg/L | | | | Calculation | 04/29/11 15:39 / kbh |
| TDS Balance (0.80 - 1.20) | 0.880 | | | | | Calculation | 04/29/11 15:39 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11040296-002
Client Sample ID: BOW-7

Report Date: 05/31/11
Collection Date: 04/05/11
Date Received: 04/08/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 190 | mg/L | | 1 | | A2320 B | 04/09/11 02:49 / jba |
| Carbonate as CO ₃ | 15 | mg/L | | 1 | | A2320 B | 04/09/11 02:49 / jba |
| Bicarbonate as HCO ₃ | 202 | mg/L | | 1 | | A2320 B | 04/09/11 02:49 / jba |
| Calcium | 8 | mg/L | | 1 | | E200.7 | 04/21/11 19:27 / cp |
| Chloride | 23 | mg/L | | 1 | | E300.0 | 04/13/11 05:04 / ljl |
| Fluoride | 0.6 | mg/L | | 0.1 | | A4500-F C | 04/13/11 09:29 / jba |
| Magnesium | ND | mg/L | | 1 | | E200.7 | 04/21/11 19:27 / cp |
| Nitrogen, Ammonia as N | ND | mg/L | | 0.05 | | A4500-NH ₃ G | 04/11/11 12:44 / dc |
| Nitrogen, Nitrate+Nitrite as N | 1.2 | mg/L | | 0.1 | | E353.2 | 04/14/11 12:29 / dc |
| Potassium | 11 | mg/L | | 1 | | E200.7 | 04/21/11 19:27 / cp |
| Silica | 80.9 | mg/L | | 0.2 | | E200.7 | 04/21/11 19:27 / cp |
| Sodium | 118 | mg/L | | 1 | | E200.7 | 04/21/11 19:27 / cp |
| Sulfate | 55 | mg/L | D | 2 | | E300.0 | 04/13/11 05:04 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 547 | umhos/cm | | 1 | | A2510 B | 04/08/11 17:06 / lr |
| pH | 8.76 | s.u. | | 0.01 | | A4500-H B | 04/08/11 17:06 / lr |
| Solids, Total Dissolved TDS @ 180 C | 376 | mg/L | | 10 | | A2540 C | 04/08/11 17:01 / lr |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.7 | 04/21/11 19:27 / cp |
| Arsenic | 0.028 | mg/L | | 0.001 | | E200.8 | 04/12/11 02:14 / sml |
| Barium | ND | mg/L | | 0.1 | | E200.8 | 04/12/11 02:14 / sml |
| Boron | 0.2 | mg/L | | 0.1 | | E200.7 | 04/21/11 19:27 / cp |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 04/12/11 02:14 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 04/12/11 02:14 / sml |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 04/12/11 02:14 / sml |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 04/21/11 19:27 / cp |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 04/12/11 02:14 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 04/12/11 02:14 / sml |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 04/12/11 02:14 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 04/12/11 02:14 / sml |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 04/12/11 02:14 / sml |
| Selenium | 0.210 | mg/L | | 0.001 | | E200.8 | 04/12/11 02:14 / sml |
| Uranium | 0.0059 | mg/L | | 0.0003 | | E200.8 | 04/12/11 02:14 / sml |
| Uranium, Activity | 4.0E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 04/12/11 02:14 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 04/12/11 02:14 / sml |
| Zinc | ND | mg/L | | 0.01 | | E200.8 | 04/12/11 02:14 / sml |
| METALS - SUSPENDED | | | | | | | |
| Uranium | 0.0005 | mg/L | | 0.0003 | | E200.8 | 04/13/11 21:16 / sml |
| Uranium, Activity | 3.7E-10 | uCi/mL | | 2.0E-10 | | E200.8 | 04/13/11 21:16 / sml |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11040296-002
Client Sample ID: BOW-7

Report Date: 05/31/11
Collection Date: 04/05/11
Date Received: 04/08/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|-----|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 05/13/11 14:05 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 05/13/11 14:05 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 05/13/11 14:05 / eli-cs |
| Polonium 210 | <1.1 | pCi/L | U | 1.1 | | E912.0 | 05/09/11 09:07 / ep |
| Polonium 210 precision (±) | 0.7 | pCi/L | | | | E912.0 | 05/09/11 09:07 / ep |
| Polonium 210 MDC | 1.1 | pCi/L | | | | E912.0 | 05/09/11 09:07 / ep |
| Radium 226 | <0.1 | pCi/L | U | 0.1 | | E903.0 | 04/25/11 15:52 / dmf |
| Radium 226 precision (±) | 0.06 | pCi/L | | | | E903.0 | 04/25/11 15:52 / dmf |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 04/25/11 15:52 / dmf |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 05/02/11 09:12 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 05/02/11 09:12 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 05/02/11 09:12 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <1.1 | pCi/L | U | 1.1 | | E909.0 | 05/19/11 17:14 / eli-cs |
| Lead 210 precision (±) | 0.7 | pCi/L | | | | E909.0 | 05/19/11 17:14 / eli-cs |
| Lead 210 MDC | 1.1 | pCi/L | | | | E909.0 | 05/19/11 17:14 / eli-cs |
| Polonium 210 | <0.2 | pCi/L | U | 0.2 | | E912.0 | 05/23/11 14:03 / ep |
| Polonium 210 precision (±) | 0.02 | pCi/L | | | | E912.0 | 05/23/11 14:03 / ep |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 05/23/11 14:03 / ep |
| Radium 226 | 0.6 | pCi/L | | 0.1 | | E903.0 | 04/26/11 01:24 / trs |
| Radium 226 precision (±) | 0.1 | pCi/L | | | | E903.0 | 04/26/11 01:24 / trs |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 04/26/11 01:24 / trs |
| Thorium 230 | 0.2 | pCi/L | | 0.1 | | E908.0 | 05/09/11 14:37 / dmf |
| Thorium 230 precision (±) | 0.1 | pCi/L | | | | E908.0 | 05/09/11 14:37 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 05/09/11 14:37 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 1.35 | % | | | | Calculation | 04/29/11 15:39 / kbh |
| Anions | 5.72 | meq/L | | | | Calculation | 04/29/11 15:39 / kbh |
| Cations | 5.88 | meq/L | | | | Calculation | 04/29/11 15:39 / kbh |
| Solids, Total Dissolved Calculated | 439 | mg/L | | | | Calculation | 04/29/11 15:39 / kbh |
| TDS Balance (0.80 - 1.20) | 0.860 | | | | | Calculation | 04/29/11 15:39 / kbh |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11040296-003
Client Sample ID: BOW-8

Report Date: 05/31/11
Collection Date: 04/05/11
Date Received: 04/08/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 182 | mg/L | | 1 | | A2320 B | 04/09/11 02:58 / jba |
| Carbonate as CO ₃ | 12 | mg/L | | 1 | | A2320 B | 04/09/11 02:58 / jba |
| Bicarbonate as HCO ₃ | 198 | mg/L | | 1 | | A2320 B | 04/09/11 02:58 / jba |
| Calcium | 11 | mg/L | | 1 | | E200.7 | 04/21/11 19:31 / cp |
| Chloride | 7 | mg/L | | 1 | | E300.0 | 04/13/11 05:51 / ljl |
| Fluoride | 0.5 | mg/L | | 0.1 | | A4500-F C | 04/13/11 09:32 / jba |
| Magnesium | ND | mg/L | | 1 | | E200.7 | 04/21/11 19:31 / cp |
| Nitrogen, Ammonia as N | ND | mg/L | | 0.05 | | A4500-NH ₃ G | 04/11/11 12:46 / dc |
| Nitrogen, Nitrate+Nitrite as N | 0.8 | mg/L | | 0.1 | | E353.2 | 04/14/11 12:31 / dc |
| Potassium | 10 | mg/L | | 1 | | E200.7 | 04/21/11 19:31 / cp |
| Silica | 81.4 | mg/L | | 0.2 | | E200.7 | 04/21/11 19:31 / cp |
| Sodium | 83 | mg/L | | 1 | | E200.7 | 04/21/11 19:31 / cp |
| Sulfate | 27 | mg/L | | 1 | | E300.0 | 04/13/11 05:51 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 407 | umhos/cm | | 1 | | A2510 B | 04/08/11 17:08 / lr |
| pH | 8.65 | s.u. | | 0.01 | | A4500-H B | 04/08/11 17:08 / lr |
| Solids, Total Dissolved TDS @ 180 C | 306 | mg/L | | 10 | | A2540 C | 04/08/11 17:02 / lr |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.7 | 04/21/11 19:31 / cp |
| Arsenic | 0.006 | mg/L | | 0.001 | | E200.8 | 04/12/11 02:21 / sml |
| Barium | ND | mg/L | | 0.1 | | E200.8 | 04/12/11 02:21 / sml |
| Boron | ND | mg/L | | 0.1 | | E200.7 | 04/21/11 19:31 / cp |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 04/12/11 02:21 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 04/12/11 02:21 / sml |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 04/12/11 02:21 / sml |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 04/21/11 19:31 / cp |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 04/12/11 02:21 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 04/12/11 02:21 / sml |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 04/12/11 02:21 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 04/12/11 02:21 / sml |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 04/12/11 02:21 / sml |
| Selenium | ND | mg/L | | 0.001 | | E200.8 | 04/12/11 02:21 / sml |
| Uranium | 0.0075 | mg/L | | 0.0003 | | E200.8 | 04/12/11 02:21 / sml |
| Uranium, Activity | 5.0E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 04/12/11 02:21 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 04/12/11 02:21 / sml |
| Zinc | ND | mg/L | | 0.01 | | E200.8 | 04/12/11 02:21 / sml |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 04/13/11 21:20 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 04/13/11 21:20 / sml |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11040296-003
Client Sample ID: BOW-8

Report Date: 05/31/11
Collection Date: 04/05/11
Date Received: 04/08/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|-----|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 05/13/11 16:16 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 05/13/11 16:16 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 05/13/11 16:16 / eli-cs |
| Polonium 210 | <1.1 | pCi/L | U | 1.1 | | E912.0 | 05/09/11 09:07 / ep |
| Polonium 210 precision (±) | 0.5 | pCi/L | | | | E912.0 | 05/09/11 09:07 / ep |
| Polonium 210 MDC | 1.1 | pCi/L | | | | E912.0 | 05/09/11 09:07 / ep |
| Radium 226 | <0.2 | pCi/L | U | 0.2 | | E903.0 | 04/25/11 15:52 / dmf |
| Radium 226 precision (±) | 0.08 | pCi/L | | | | E903.0 | 04/25/11 15:52 / dmf |
| Radium 226 MDC | 0.2 | pCi/L | | | | E903.0 | 04/25/11 15:52 / dmf |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 05/02/11 09:12 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 05/02/11 09:12 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 05/02/11 09:12 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <1.1 | pCi/L | U | 1.1 | | E909.0 | 05/19/11 19:26 / eli-cs |
| Lead 210 precision (±) | 0.7 | pCi/L | | | | E909.0 | 05/19/11 19:26 / eli-cs |
| Lead 210 MDC | 1.1 | pCi/L | | | | E909.0 | 05/19/11 19:26 / eli-cs |
| Polonium 210 | <0.2 | pCi/L | U | 0.2 | | E912.0 | 05/05/11 11:49 / ep |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 05/05/11 11:49 / ep |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 05/05/11 11:49 / ep |
| Radium 226 | 0.3 | pCi/L | | 0.1 | | E903.0 | 04/26/11 01:24 / trs |
| Radium 226 precision (±) | 0.09 | pCi/L | | | | E903.0 | 04/26/11 01:24 / trs |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 04/26/11 01:24 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 05/09/11 14:36 / dmf |
| Thorium 230 precision (±) | 0.09 | pCi/L | | | | E908.0 | 05/09/11 14:36 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 05/09/11 14:36 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 0.681 | % | | | | Calculation | 04/29/11 15:40 / kbh |
| Anions | 4.46 | meq/L | | | | Calculation | 04/29/11 15:40 / kbh |
| Cations | 4.52 | meq/L | | | | Calculation | 04/29/11 15:40 / kbh |
| Solids, Total Dissolved Calculated | 355 | mg/L | | | | Calculation | 04/29/11 15:40 / kbh |
| TDS Balance (0.80 - 1.20) | 0.860 | | | | | Calculation | 04/29/11 15:40 / kbh |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/31/11

Project: Marsland Baseline Samples

Work Order: C11040296

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|--|-------|---------------------------|-------|-----|------|-----------|----------------------|-----|----------|----------------|
| Method: A2320 B | | | | | | | | | | Batch: R144652 |
| Sample ID: MBLK | 3 | Method Blank | | | | | Run: MANTECH_110408B | | | 04/08/11 17:09 |
| Alkalinity, Total as CaCO ₃ | | 2 | mg/L | 1 | | | | | | |
| Carbonate as CO ₃ | | ND | mg/L | 1 | | | | | | |
| Bicarbonate as HCO ₃ | | 3 | mg/L | 1 | | | | | | |
| Sample ID: LCS | | Laboratory Control Sample | | | | | Run: MANTECH_110408B | | | 04/08/11 17:25 |
| Alkalinity, Total as CaCO ₃ | | 214 | mg/L | 5.0 | 106 | 90 | 110 | | | |
| Sample ID: C11040294-001AMS | | Sample Matrix Spike | | | | | Run: MANTECH_110408B | | | 04/09/11 00:59 |
| Alkalinity, Total as CaCO ₃ | | 217 | mg/L | 5.0 | 98 | 80 | 120 | | | |
| Sample ID: C11040294-012ADUP | | Sample Duplicate | | | | | Run: MANTECH_110408B | | | 04/09/11 02:32 |
| Alkalinity, Total as CaCO ₃ | | 87.1 | mg/L | 5.0 | | | | 0.3 | 10 | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/31/11

Project: Marsland Baseline Samples

Work Order: C11040296

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|---|----------|-------------------------------------|------|-----------|------------|-----|----------|----------------|
| Method: A2510 B | | | | Analytical Run: ORION555A-2_110408B | | | | | | |
| Sample ID: ICV2_110408_2 | | Initial Calibration Verification Standard | | | | | | | | 04/08/11 15:34 |
| Conductivity @ 25 C | | 1390 | umhos/cm | 1.0 | 98 | 90 | 110 | | | |
| Method: A2510 B | | | | Batch: 110408_2_PH-W_555A-2 | | | | | | |
| Sample ID: MBLK1_110408_2 | | Method Blank | | | | | | | | 04/08/11 15:30 |
| Conductivity @ 25 C | | 0.7 | umhos/cm | 0.2 | | | | | | |
| Sample ID: C11040297-001BDUP | | Sample Duplicate | | | | | | | | 04/08/11 17:11 |
| Conductivity @ 25 C | | 863 | umhos/cm | 1.0 | | | | 0.2 | 10 | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/31/11

Project: Marsland Baseline Samples

Work Order: C11040296

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|---------------------------|-------|----|------|--------------------|------------|----------------------------|----------|------|
| Method: A2540 C | | | | | | | | Batch: 110408_2_SLDS-TDS-W | | |
| Sample ID: MBLK1_110408 | | Method Blank | | | | Run: BAL-1_110408B | | 04/08/11 16:52 | | |
| Solids, Total Dissolved TDS @ 180 C | | ND | mg/L | 4 | | | | | | |
| Sample ID: LCS1_110408 | | Laboratory Control Sample | | | | Run: BAL-1_110408B | | 04/08/11 16:53 | | |
| Solids, Total Dissolved TDS @ 180 C | | 989 | mg/L | 10 | 99 | 90 | 110 | | | |
| Sample ID: C11040296-002ADUP | | Sample Duplicate | | | | Run: BAL-1_110408B | | 04/08/11 17:02 | | |
| Solids, Total Dissolved TDS @ 180 C | | 382 | mg/L | 10 | | | | 1.6 | 10 | |
| Sample ID: C11040297-001AMS | | Sample Matrix Spike | | | | Run: BAL-1_110408B | | 04/08/11 17:02 | | |
| Solids, Total Dissolved TDS @ 180 C | | 2520 | mg/L | 10 | 100 | 90 | 110 | | | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/31/11

Project: Marsland Baseline Samples

Work Order: C11040296

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|-------|------|-----------|----------------------|-----|----------|----------------|
| Method: A4500-F C | | | | | | | | | | Batch: R144774 |
| Sample ID: MBLK | | Method Blank | | | | | Run: MANTECH_110413A | | | 04/13/11 08:54 |
| Fluoride | | 0.02 | mg/L | 0.008 | | | | | | |
| Sample ID: LCS | | Laboratory Control Sample | | | | | Run: MANTECH_110413A | | | 04/13/11 09:01 |
| Fluoride | | 0.980 | mg/L | 0.10 | 96 | 90 | 110 | | | |
| Sample ID: C11040297-001BMS | | Sample Matrix Spike | | | | | Run: MANTECH_110413A | | | 04/13/11 09:42 |
| Fluoride | | 1.65 | mg/L | 0.10 | 98 | 80 | 120 | | | |
| Sample ID: C11040297-001BMSD | | Sample Matrix Spike Duplicate | | | | | Run: MANTECH_110413A | | | 04/13/11 09:45 |
| Fluoride | | 1.68 | mg/L | 0.10 | 101 | 80 | 120 | 1.8 | 10 | |

Qualifiers:

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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/31/11

Project: Marsland Baseline Samples

Work Order: C11040296

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|---|-------|-------------------------------------|------|-----------|------------|-----|----------|----------------|
| Method: A4500-H B | | | | Analytical Run: ORION555A-2_110408B | | | | | | |
| Sample ID: ICV1_110408_2 | | Initial Calibration Verification Standard | | | | | | | | 04/08/11 15:31 |
| pH | | 6.92 | s.u. | 0.010 | 101 | 98 | 102 | | | |
| Method: A4500-H B | | | | Batch: 110408_2_PH-W_555A-2 | | | | | | |
| Sample ID: C11040297-001BDUP | | Sample Duplicate | | | | | | | | |
| pH | | 8.21 | s.u. | 0.010 | | | | 0.1 | 3 | |
| | | | | Run: ORION555A-2_110408B | | | | | | |
| | | | | 04/08/11 17:11 | | | | | | |

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Work Order: C11040296

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------------------------------|--------|-------|-------|------|-----------|------------|-----|----------|---------------------------------------|
| Method: A4500-NH3 G | | | | | | | | | | Batch: R144668 |
| Sample ID: MBLK-13 | Method Blank | | | | | | | | | |
| Nitrogen, Ammonia as N | | ND | mg/L | 0.02 | | | | | | Run: TECHNICON_110411A 04/11/11 11:14 |
| Sample ID: LCS-14 | Laboratory Control Sample | | | | | | | | | |
| Nitrogen, Ammonia as N | | 1.95 | mg/L | 0.050 | 98 | 90 | 110 | | | Run: TECHNICON_110411A 04/11/11 11:16 |
| Sample ID: C11040297-001EMS | Sample Matrix Spike | | | | | | | | | |
| Nitrogen, Ammonia as N | | 1.76 | mg/L | 0.050 | 88 | 80 | 120 | | | Run: TECHNICON_110411A 04/11/11 12:50 |
| Sample ID: C11040297-001EMSD | Sample Matrix Spike Duplicate | | | | | | | | | |
| Nitrogen, Ammonia as N | | 1.79 | mg/L | 0.050 | 90 | 80 | 120 | 1.7 | 10 | Run: TECHNICON_110411A 04/11/11 12:52 |

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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/31/11

Project: Marsland Baseline Samples

Work Order: C11040296

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|-------|------|-----------|---------------------|-----|----------|----------------|
| Method: E200.7 | | | | | | | | | | Batch: R145060 |
| Sample ID: MB-110421A | 8 | Method Blank | | | | | Run: ICP2-C_110421A | | | 04/21/11 12:28 |
| Aluminum | | ND | mg/L | 0.01 | | | | | | |
| Boron | | 0.04 | mg/L | 0.01 | | | | | | |
| Calcium | | ND | mg/L | 0.1 | | | | | | |
| Iron | | ND | mg/L | 0.001 | | | | | | |
| Magnesium | | ND | mg/L | 0.05 | | | | | | |
| Potassium | | ND | mg/L | 0.05 | | | | | | |
| Silicon | | ND | mg/L | 0.007 | | | | | | |
| Sodium | | ND | mg/L | 0.2 | | | | | | |
| Sample ID: LFB-110421A | 8 | Laboratory Fortified Blank | | | | | Run: ICP2-C_110421A | | | 04/21/11 12:32 |
| Aluminum | | 0.906 | mg/L | 0.10 | 91 | 85 | 115 | | | |
| Boron | | 0.945 | mg/L | 0.10 | 91 | 85 | 115 | | | |
| Calcium | | 46.2 | mg/L | 0.50 | 92 | 85 | 115 | | | |
| Iron | | 0.941 | mg/L | 0.030 | 94 | 85 | 115 | | | |
| Magnesium | | 45.2 | mg/L | 0.50 | 90 | 85 | 115 | | | |
| Potassium | | 46.5 | mg/L | 0.50 | 93 | 85 | 115 | | | |
| Silicon | | 0.447 | mg/L | 0.10 | 95 | 85 | 115 | | | |
| Sodium | | 48.7 | mg/L | 0.50 | 97 | 85 | 115 | | | |
| Sample ID: C11040312-003CMS2 | 8 | Sample Matrix Spike | | | | | Run: ICP2-C_110421A | | | 04/21/11 19:43 |
| Aluminum | | 9.01 | mg/L | 0.10 | 88 | 70 | 130 | | | |
| Boron | | 9.96 | mg/L | 0.31 | 93 | 70 | 130 | | | |
| Calcium | | 1130 | mg/L | 1.4 | 89 | 70 | 130 | | | |
| Iron | | 9.68 | mg/L | 0.078 | 95 | 70 | 130 | | | |
| Magnesium | | 1200 | mg/L | 1.0 | 90 | 70 | 130 | | | |
| Potassium | | 444 | mg/L | 1.0 | 84 | 70 | 130 | | | |
| Silicon | | 13.4 | mg/L | 0.15 | 99 | 70 | 130 | | | |
| Sodium | | 788 | mg/L | 2.3 | 94 | 70 | 130 | | | |
| Sample ID: C11040312-003CMSD | 8 | Sample Matrix Spike Duplicate | | | | | Run: ICP2-C_110421A | | | 04/21/11 19:47 |
| Aluminum | | 9.09 | mg/L | 0.10 | 89 | 70 | 130 | 0.9 | 20 | |
| Boron | | 10.2 | mg/L | 0.31 | 96 | 70 | 130 | 2.7 | 20 | |
| Calcium | | 1130 | mg/L | 1.4 | 88 | 70 | 130 | 0.4 | 20 | |
| Iron | | 9.72 | mg/L | 0.078 | 95 | 70 | 130 | 0.4 | 20 | |
| Magnesium | | 1190 | mg/L | 1.0 | 88 | 70 | 130 | 0.7 | 20 | |
| Potassium | | 444 | mg/L | 1.0 | 84 | 70 | 130 | 0.1 | 20 | |
| Silicon | | 13.5 | mg/L | 0.15 | 101 | 70 | 130 | 0.5 | 20 | |
| Sodium | | 796 | mg/L | 2.3 | 96 | 70 | 130 | 1.0 | 20 | |

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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/31/11

Project: Marsland Baseline Samples

Work Order: C11040296

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|------------------------------|-------|----------------------------|-------|-----------------------|------|-----------|------------|----------------|----------|----------------|
| Method: E200.8 | | | | | | | | | | Batch: R144696 |
| Sample ID: LRB | 14 | Method Blank | | Run: ICPMS2-C_110411A | | | | 04/11/11 12:14 | | |
| Arsenic | | ND | mg/L | 6E-05 | | | | | | |
| Barium | | ND | mg/L | 3E-05 | | | | | | |
| Cadmium | | ND | mg/L | 1E-05 | | | | | | |
| Chromium | | 6E-05 | mg/L | 4E-05 | | | | | | |
| Copper | | ND | mg/L | 7E-05 | | | | | | |
| Lead | | ND | mg/L | 3E-05 | | | | | | |
| Manganese | | ND | mg/L | 5E-05 | | | | | | |
| Mercury | | ND | mg/L | 8E-05 | | | | | | |
| Molybdenum | | ND | mg/L | 5E-05 | | | | | | |
| Nickel | | ND | mg/L | 0.0007 | | | | | | |
| Selenium | | ND | mg/L | 0.0002 | | | | | | |
| Uranium | | ND | mg/L | 1E-05 | | | | | | |
| Vanadium | | ND | mg/L | 3E-05 | | | | | | |
| Zinc | | ND | mg/L | 0.0003 | | | | | | |
| Sample ID: LFB | 14 | Laboratory Fortified Blank | | Run: ICPMS2-C_110411A | | | | 04/11/11 12:21 | | |
| Arsenic | | 0.0521 | mg/L | 0.0010 | 104 | 85 | 115 | | | |
| Barium | | 0.0525 | mg/L | 0.0010 | 105 | 85 | 115 | | | |
| Cadmium | | 0.0514 | mg/L | 0.0010 | 103 | 85 | 115 | | | |
| Chromium | | 0.0511 | mg/L | 0.0010 | 102 | 85 | 115 | | | |
| Copper | | 0.0515 | mg/L | 0.0010 | 103 | 85 | 115 | | | |
| Lead | | 0.0511 | mg/L | 0.0010 | 102 | 85 | 115 | | | |
| Manganese | | 0.0514 | mg/L | 0.0010 | 103 | 85 | 115 | | | |
| Mercury | | 0.00532 | mg/L | 0.0010 | 106 | 85 | 115 | | | |
| Molybdenum | | 0.0518 | mg/L | 0.0010 | 104 | 85 | 115 | | | |
| Nickel | | 0.0511 | mg/L | 0.0010 | 102 | 85 | 115 | | | |
| Selenium | | 0.0529 | mg/L | 0.0010 | 106 | 85 | 115 | | | |
| Uranium | | 0.0497 | mg/L | 0.00030 | 99 | 85 | 115 | | | |
| Vanadium | | 0.0510 | mg/L | 0.0010 | 102 | 85 | 115 | | | |
| Zinc | | 0.0521 | mg/L | 0.0010 | 104 | 85 | 115 | | | |
| Sample ID: C11040297-001CMS4 | 14 | Sample Matrix Spike | | Run: ICPMS2-C_110411A | | | | 04/12/11 02:34 | | |
| Arsenic | | 0.0807 | mg/L | 0.0010 | 101 | 70 | 130 | | | |
| Barium | | 0.0560 | mg/L | 0.0010 | 103 | 70 | 130 | | | |
| Cadmium | | 0.0490 | mg/L | 0.010 | 98 | 70 | 130 | | | |
| Chromium | | 0.0481 | mg/L | 0.0010 | 95 | 70 | 130 | | | |
| Copper | | 0.0524 | mg/L | 0.010 | 97 | 70 | 130 | | | |
| Lead | | 0.0525 | mg/L | 0.050 | 105 | 70 | 130 | | | |
| Manganese | | 0.0541 | mg/L | 0.010 | 97 | 70 | 130 | | | |
| Mercury | | 0.00520 | mg/L | 0.0010 | 104 | 70 | 130 | | | |
| Molybdenum | | 0.155 | mg/L | 0.10 | 117 | 70 | 130 | | | |
| Nickel | | 0.0496 | mg/L | 0.0010 | 99 | 70 | 130 | | | |
| Selenium | | 0.0483 | mg/L | 0.0010 | 96 | 70 | 130 | | | |
| Uranium | | 0.963 | mg/L | 0.00030 | | 70 | 130 | | | A |
| Vanadium | | 0.112 | mg/L | 0.10 | 104 | 70 | 130 | | | |
| Zinc | | 0.0524 | mg/L | 0.010 | 98 | 70 | 130 | | | |

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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/31/11

Project: Marsland Baseline Samples

Work Order: C11040296

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|--|-------|---------|------------|---------|------|-----------|------------|-----|----------|--------------------------------------|
| Method: E200.8 | | | | | | | | | | Batch: R144696 |
| Sample ID: C11040297-001CMSD 14 Sample Matrix Spike Duplicate | | | | | | | | | | Run: ICPMS2-C_110411A 04/12/11 02:41 |
| Arsenic | | 0.0819 | mg/L | 0.0010 | 104 | 70 | 130 | 1.5 | 20 | |
| Barium | | 0.0577 | mg/L | 0.0010 | 106 | 70 | 130 | 3.0 | 20 | |
| Cadmium | | 0.0499 | mg/L | 0.010 | 100 | 70 | 130 | 1.8 | 20 | |
| Chromium | | 0.0483 | mg/L | 0.0010 | 96 | 70 | 130 | 0.5 | 20 | |
| Copper | | 0.0519 | mg/L | 0.010 | 96 | 70 | 130 | 1.0 | 20 | |
| Lead | | 0.0532 | mg/L | 0.050 | 106 | 70 | 130 | 1.2 | 20 | |
| Manganese | | 0.0546 | mg/L | 0.010 | 98 | 70 | 130 | 0.9 | 20 | |
| Mercury | | 0.00532 | mg/L | 0.0010 | 106 | 70 | 130 | 2.3 | 20 | |
| Molybdenum | | 0.154 | mg/L | 0.10 | 115 | 70 | 130 | 0.8 | 20 | |
| Nickel | | 0.0491 | mg/L | 0.0010 | 98 | 70 | 130 | 0.9 | 20 | |
| Selenium | | 0.0501 | mg/L | 0.0010 | 99 | 70 | 130 | 3.6 | 20 | |
| Uranium | | 0.957 | mg/L | 0.00030 | | 70 | 130 | 0.6 | 20 | A |
| Vanadium | | 0.111 | mg/L | 0.10 | 102 | 70 | 130 | 1.0 | 20 | |
| Zinc | | 0.0523 | mg/L | 0.010 | 97 | 70 | 130 | 0.2 | 20 | |
| Method: E200.8 | | | | | | | | | | Batch: 29539A |
| Sample ID: C11040296-003HMS Sample Matrix Spike | | | | | | | | | | Run: ICPMS4-C_110413A 04/13/11 21:24 |
| Uranium | | 0.00476 | mg/L | 0.00030 | 101 | 70 | 130 | | | |
| Sample ID: C11040296-003HMSD Sample Matrix Spike Duplicate | | | | | | | | | | Run: ICPMS4-C_110413A 04/13/11 21:28 |
| Uranium | | 0.00506 | mg/L | 0.00030 | 108 | 70 | 130 | 6.2 | 20 | |
| Sample ID: MB-29539 Method Blank | | | | | | | | | | Run: ICPMS4-C_110413A 04/13/11 19:34 |
| Uranium | | 3E-05 | pCi/Filter | | | | | | | |
| Sample ID: LCS2-29539 Laboratory Control Sample | | | | | | | | | | Run: ICPMS4-C_110413A 04/13/11 19:38 |
| Uranium | | 0.104 | pCi/Filter | 0.00030 | 104 | 85 | 115 | | | |

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Report Date: 05/31/11

Project: Marsland Baseline Samples

Work Order: C11040296

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|------------------------------|-------|---|-------|------|------|-----------|------------|-----|----------|-----------------------------------|
| Method: E300.0 | | | | | | | | | | Analytical Run: IC2-C_110412A |
| Sample ID: ICV | 2 | Initial Calibration Verification Standard | | | | | | | | 04/12/11 14:25 |
| Chloride | | 10.1 | mg/L | 1.0 | 101 | 90 | 110 | | | |
| Sulfate | | 41.0 | mg/L | 1.0 | 102 | 90 | 110 | | | |
| Method: E300.0 | | | | | | | | | | Batch: R144811 |
| Sample ID: MBLK | 2 | Method Blank | | | | | | | | Run: IC2-C_110412A 04/12/11 14:41 |
| Chloride | | ND | mg/L | 0.04 | | | | | | |
| Sulfate | | ND | mg/L | 0.1 | | | | | | |
| Sample ID: LFB | 2 | Laboratory Fortified Blank | | | | | | | | Run: IC2-C_110412A 04/12/11 14:56 |
| Chloride | | 12.4 | mg/L | 1.0 | 99 | 90 | 110 | | | |
| Sulfate | | 50.6 | mg/L | 1.0 | 101 | 90 | 110 | | | |
| Sample ID: C11040306-003AMS | 2 | Sample Matrix Spike | | | | | | | | Run: IC2-C_110412A 04/13/11 07:08 |
| Chloride | | 269 | mg/L | 4.0 | 103 | 80 | 120 | | | |
| Sulfate | | 5490 | mg/L | 16 | | 80 | 120 | | | A |
| Sample ID: C11040306-003AMSD | 2 | Sample Matrix Spike Duplicate | | | | | | | | Run: IC2-C_110412A 04/13/11 07:23 |
| Chloride | | 270 | mg/L | 4.0 | 103 | 80 | 120 | 0.1 | 10 | |
| Sulfate | | 5390 | mg/L | 16 | | 80 | 120 | 1.8 | 10 | A |

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Report Date: 05/31/11

Project: Marsland Baseline Samples

Work Order: C11040296

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|------------------------|-------|------|------|-----------|------------|-----|----------|----------------|
| Method: E353.2 | | | | | | | | | | Batch: R144840 |
| Sample ID: MBLK-1 | | | | | | | | | | |
| Method Blank | | Run: TECHNICON_110414B | | | | | | | | |
| Nitrogen, Nitrate+Nitrite as N | | ND | mg/L | 0.06 | | | | | | 04/14/11 11:38 |
| Sample ID: LCS-2 | | | | | | | | | | |
| Laboratory Control Sample | | Run: TECHNICON_110414B | | | | | | | | |
| Nitrogen, Nitrate+Nitrite as N | | 2.65 | mg/L | 0.10 | 106 | 90 | 110 | | | 04/14/11 11:41 |
| Sample ID: C11040296-003GMS | | | | | | | | | | |
| Sample Matrix Spike | | Run: TECHNICON_110414B | | | | | | | | |
| Nitrogen, Nitrate+Nitrite as N | | 2.87 | mg/L | 0.10 | 105 | 90 | 110 | | | 04/14/11 12:34 |
| Sample ID: C11040296-003GMSD | | | | | | | | | | |
| Sample Matrix Spike Duplicate | | Run: TECHNICON_110414B | | | | | | | | |
| Nitrogen, Nitrate+Nitrite as N | | 2.89 | mg/L | 0.10 | 106 | 90 | 110 | 0.7 | 10 | 04/14/11 12:36 |

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QA/QC Summary Report

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Project: Marsland Baseline Samples

Report Date: 05/31/11
Work Order: C11040296

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|------------------------------|-------------------------------|--------------|------------|-----|------|-----------------------------|------------|----------------|-------------------|------|
| Method: E903.0 | | | | | | | | | Batch: RA226-5294 | |
| Sample ID: C11040296-001DMS | Sample Matrix Spike | | | | | Run: BERTHOLD 770-1_110415A | | 04/25/11 14:18 | | |
| Radium 226 | 14 | pCi/L | | 108 | | 70 | 130 | | | |
| Sample ID: C11040296-001DMSD | Sample Matrix Spike Duplicate | | | | | Run: BERTHOLD 770-1_110415A | | 04/25/11 15:52 | | |
| Radium 226 | 14 | pCi/L | | 108 | | 70 | 130 | 0.1 | 27 | |
| Sample ID: MB-RA226-5294 | 3 | Method Blank | | | | Run: BERTHOLD 770-1_110415A | | 04/25/11 17:30 | | |
| Radium 226 | | -0.1 | pCi/L | | | | | | | U |
| Radium 226 precision (±) | | 0.06 | pCi/L | | | | | | | |
| Radium 226 MDC | | 0.2 | pCi/L | | | | | | | |
| Sample ID: LCS-RA226-5294 | Laboratory Control Sample | | | | | Run: BERTHOLD 770-1_110415A | | 04/25/11 17:30 | | |
| Radium 226 | | 6.6 | pCi/L | 106 | | 85 | 115 | | | |
| Method: E903.0 | | | | | | | | | Batch: R145159 | |
| Sample ID: LCS-29538 | Laboratory Control Sample | | | | | Run: TENNELEC-3_110419A | | 04/25/11 23:45 | | |
| Radium 226 | 12.2 | pCi/Filter | | 101 | | 70 | 130 | | | |
| Sample ID: MB-29538 | 3 | Method Blank | | | | Run: TENNELEC-3_110419A | | 04/25/11 23:44 | | |
| Radium 226 | | 0.03 | pCi/Filter | | | | | | | U |
| Radium 226 precision (±) | | 0.1 | pCi/Filter | | | | | | | |
| Radium 226 MDC | | 0.2 | pCi/Filter | | | | | | | |
| Sample ID: C11040296-001HMS | Sample Matrix Spike | | | | | Run: TENNELEC-3_110419A | | 04/26/11 01:24 | | |
| Radium 226 | 10 | pCi/L | | 101 | | 70 | 130 | | | |
| Sample ID: C11040296-001HMSD | Sample Matrix Spike Duplicate | | | | | Run: TENNELEC-3_110419A | | 04/26/11 01:24 | | |
| Radium 226 | 9.2 | pCi/L | | 93 | | 70 | 130 | 8.7 | 24.1 | |

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MDC - Minimum detectable concentration

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U - Not detected at minimum detectable concentration



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/31/11

Project: Marsland Baseline Samples

Work Order: C11040296

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|--------------------------------------|-------------------------------|--------------|-------|----|------|-----------|------------------------|-----------------------|----------|------|
| Method: E908.0 | | | | | | | | Batch: RA-TH-ISO-1373 | | |
| Sample ID: LCS-RA-TH-ISO-1373 | Laboratory Control Sample | | | | | | Run: EGG-ORTEC_110428A | 05/02/11 09:12 | | |
| Thorium 230 | | 5.4 | pCi/L | | 96 | 70 | 130 | | | |
| Sample ID: C11040105-001DMS | Sample Matrix Spike | | | | | | Run: EGG-ORTEC_110428A | 05/02/11 09:11 | | |
| Thorium 230 | | 12 | pCi/L | | 102 | 70 | 130 | | | |
| Sample ID: C11040105-001DMSD | Sample Matrix Spike Duplicate | | | | | | Run: EGG-ORTEC_110428A | 05/02/11 09:11 | | |
| Thorium 230 | | 12 | pCi/L | | 101 | 70 | 130 | 0.4 | 37.2 | |
| Sample ID: MB-RA-TH-ISO-1373 | 3 | Method Blank | | | | | Run: EGG-ORTEC_110428A | 05/02/11 13:54 | | |
| Thorium 230 | | -0.01 | pCi/L | | | | | | | U |
| Thorium 230 precision (\pm) | | 0.06 | pCi/L | | | | | | | |
| Thorium 230 MDC | | 0.1 | pCi/L | | | | | | | |
| Method: E908.0 | | | | | | | | Batch: R146350 | | |
| Sample ID: LCS-29539 | Laboratory Control Sample | | | | | | Run: EGG-ORTEC_110504A | 05/09/11 14:36 | | |
| Thorium 230 | | 11 | pCi/L | | 108 | 70 | 130 | | | |
| Sample ID: MB-29539 | 3 | Method Blank | | | | | Run: EGG-ORTEC_110504A | 05/09/11 14:36 | | |
| Thorium 230 | | 0.05 | pCi/L | | | | | | | U |
| Thorium 230 precision (\pm) | | 0.2 | pCi/L | | | | | | | |
| Thorium 230 MDC | | 0.4 | pCi/L | | | | | | | |
| Sample ID: C11040726-006HMS | Sample Matrix Spike | | | | | | Run: EGG-ORTEC_110504A | 05/09/11 14:37 | | |
| Thorium 230 | | 9.9 | pCi/L | | 116 | 70 | 130 | | | |
| Sample ID: C11040726-006HMSD | Sample Matrix Spike Duplicate | | | | | | Run: EGG-ORTEC_110504A | 05/09/11 14:36 | | |
| Thorium 230 | | 8.4 | pCi/L | | 97 | 70 | 130 | 16 | 48.1 | |

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/31/11

Project: Marsland Baseline Samples

Work Order: C11040296

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|------------------------------|-------|-------------------------------|------------|----|------|-----------------|------------|----------------------|----------------|------|
| Method: E909.0 | | | | | | | | Batch: T_PB-210-0091 | | |
| Sample ID: T11040060-003GMSD | | Sample Matrix Spike Duplicate | | | | Run: SUB-T40353 | | | 05/12/11 13:59 | |
| Lead 210 | | 140 | pCi/L | | 104 | 70 | 130 | 4.8 | 15.1 | |
| Sample ID: MB-PB-210-0091 | 3 | Method Blank | | | | Run: SUB-T40353 | | | 05/12/11 05:13 | |
| Lead 210 | | -0.9 | pCi/L | | | | | | | U |
| Lead 210 precision (±) | | 1 | pCi/L | | | | | | | |
| Lead 210 MDC | | 2 | pCi/L | | | | | | | |
| Sample ID: LCS-PB-210-0091 | | Laboratory Control Sample | | | | Run: SUB-T40353 | | | 05/12/11 07:25 | |
| Lead 210 | | 74 | pCi/L | | 104 | 70 | 130 | | | |
| Sample ID: T11040060-003GMS | | Sample Matrix Spike | | | | Run: SUB-T40353 | | | 05/12/11 11:47 | |
| Lead 210 | | 150 | pCi/L | | 109 | 70 | 130 | | | |
| Method: E909.0 | | | | | | | | Batch: T_13785 | | |
| Sample ID: T11040079-001AMSD | | Sample Matrix Spike Duplicate | | | | Run: SUB-T40467 | | | 05/18/11 12:44 | |
| Lead 210 | | 1.39 | pCi/Filter | | 96 | 70 | 130 | 9.0 | 17.1 | |
| Sample ID: MB-13785 | 3 | Method Blank | | | | Run: SUB-T40467 | | | 05/18/11 03:58 | |
| Lead 210 | | -10 | pCi/Filter | | | | | | | U |
| Lead 210 precision (±) | | 7 | pCi/Filter | | | | | | | |
| Lead 210 MDC | | 10 | pCi/Filter | | | | | | | |
| Sample ID: LCS-13785 | | Laboratory Control Sample | | | | Run: SUB-T40467 | | | 05/18/11 06:10 | |
| Lead 210 | | 328 | pCi/Filter | | 95 | 70 | 130 | | | |
| Sample ID: T11040079-001AMS | | Sample Matrix Spike | | | | Run: SUB-T40467 | | | 05/18/11 10:33 | |
| Lead 210 | | 1.27 | pCi/Filter | | 87 | 70 | 130 | | | |

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 05/31/11

Project: Marsland Baseline Samples

Work Order: C11040296

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|---|-------------------------------|--------------|--------|------------------------|------|-----------|----------------|-----|----------|-------------------|
| Method: E912.0 | | | | | | | | | | Batch: R146175 |
| Sample ID: C11040296-001HMS | Sample Matrix Spike | | | Run: EGG-ORTEC_110503C | | | 05/05/11 08:57 | | | |
| Polonium 210 | | 5.3 | pCi/L | 100 | | 70 | 130 | | | |
| Sample ID: C11040296-001HMSD | Sample Matrix Spike Duplicate | | | Run: EGG-ORTEC_110503C | | | 05/05/11 11:49 | | | |
| Polonium 210 | | 5.7 | pCi/L | 108 | | 70 | 130 | 7.9 | 67.5 | |
| Sample ID: LCS-29539 | Laboratory Control Sample | | | Run: EGG-ORTEC_110503C | | | 05/05/11 11:49 | | | |
| Polonium 210 | | 0.43 | pCi/L | | | 70 | 130 | | | US |
| - LCS response is outside of the acceptance range for this analysis. Since the MB, MS, MSD, and all tracer recoveries are acceptable the batch is approved. | | | | | | | | | | |
| Sample ID: MB-29539 | 3 | Method Blank | | Run: EGG-ORTEC_110503C | | | 05/05/11 11:49 | | | |
| Polonium 210 | | 0.3 | pCi/L | | | | | | | U |
| Polonium 210 precision (±) | | 1 | pCi/L | | | | | | | |
| Polonium 210 MDC | | 2 | pCi/L | | | | | | | |
| Sample ID: LCS-29662 | Laboratory Control Sample | | | Run: EGG-ORTEC_110503C | | | 05/05/11 11:49 | | | |
| Polonium 210 | | 38 | pCi/L | 127 | | 70 | 130 | | | |
| Method: E912.0 | | | | | | | | | | Batch: PO210-0365 |
| Sample ID: C11040296-001EMS | Sample Matrix Spike | | | Run: EGG-ORTEC_110507A | | | 05/09/11 09:07 | | | |
| Polonium 210 | | 12 | pCi/L | 89 | | 70 | 130 | | | |
| Sample ID: C11040296-001EMSD | Sample Matrix Spike Duplicate | | | Run: EGG-ORTEC_110507A | | | 05/09/11 09:07 | | | |
| Polonium 210 | | 17 | pCi/L | 127 | | 70 | 130 | 35 | 67.6 | |
| Sample ID: MB-PO210-0365 | 3 | Method Blank | | Run: EGG-ORTEC_110507A | | | 05/09/11 11:17 | | | |
| Polonium 210 | | ND | pCi/L | | | | | | | U |
| Polonium 210 precision (±) | | 0.2 | pCi/L | | | | | | | |
| Polonium 210 MDC | | 0.6 | pCi/L | | | | | | | |
| Sample ID: LCS-PO210-0365 | Laboratory Control Sample | | | Run: EGG-ORTEC_110507A | | | 05/09/11 11:17 | | | |
| Polonium 210 | | 6.4 | pCi/L | 101 | | 70 | 130 | | | |
| Method: E912.0 | | | | | | | | | | Batch: PO210-0371 |
| Sample ID: C11040296-002HMS | Sample Matrix Spike | | | Run: EGG-ORTEC_110516A | | | 05/23/11 14:03 | | | |
| Polonium 210 | | 4.8 | pCi/L | 89 | | 70 | 130 | | | |
| Sample ID: C11040296-002HMSD | Sample Matrix Spike Duplicate | | | Run: EGG-ORTEC_110516A | | | 05/23/11 14:03 | | | |
| Polonium 210 | | 5.1 | pCi/L | 96 | | 70 | 130 | 7.2 | 66.9 | |
| Sample ID: LCS-29539 | Laboratory Control Sample | | | Run: EGG-ORTEC_110516A | | | 05/19/11 09:04 | | | |
| Polonium 210 | | 40 | pCi/L | 132 | | 70 | 130 | | | S |
| - LCS response is outside of the acceptance range for this analysis. Since the MB, MS, MSD, other LCSs, and all tracer recoveries are acceptable the batch is approved. | | | | | | | | | | |
| Sample ID: MB-29539 | 3 | Method Blank | | Run: EGG-ORTEC_110516A | | | 05/19/11 09:04 | | | |
| Polonium 210 | | 0.5 | pCi/L | | | | | | | U |
| Polonium 210 precision (±) | | 1 | pCi/L | | | | | | | |
| Polonium 210 MDC | | 2 | pCi/L | | | | | | | |
| Sample ID: LCS-29764 | Laboratory Control Sample | | | Run: EGG-ORTEC_110516A | | | 05/19/11 09:04 | | | |
| Polonium 210 | | 2.8E-05 | uCi/kg | 88 | | 70 | 130 | | | |

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

U - Not detected at minimum detectable concentration

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



Workorder Receipt Checklist



C11040296

Login completed by: Edith McPike

Date Received: 4/8/2011

Reviewed by: BL2000\hackerman

Received by: ha

Reviewed Date: 4/11/2011

Carrier Ground
name:

| | | | |
|---|---|-----------------------------|--|
| Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Container/Temp Blank temperature: | 6.8°C On Ice | | |
| Water - VOA vials have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | No VOA vials submitted <input checked="" type="checkbox"/> |
| Water - pH acceptable upon receipt? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Applicable <input type="checkbox"/> |

Contact and Corrective Action Comments:

Samples to filtered and preserved in the lab for dissolved radionuclides.



Chain of Custody and Analytical Request Record

Page 1 of 1

PLEASE PRINT- Provide as much information as possible.

| | | | | | | | | | | | | | | | | |
|---|--|---|--|---|----------------------------|--|----------------------------|---|---|-------------------------------|---------------------------|--|---|--|--|--|
| Company Name: Crow Butte Resources, Inc. | | | Project Name Marsland Baseline Samples | | | Sample Origin State: | | EPA/State Compliance: Yes <input type="checkbox"/> No <input type="checkbox"/> | | | | | | | | |
| Report Mail Address: P.O. Box 169 Crawford, NE 69339 | | | Contact Name: Larry Teahon | | Phone/Fax: 308-665-2341 | | Email: daxmynus@msn.com | | Sampler: (Please Print) Brooke Bass Rhonda Pelton | | | | | | | |
| Invoice Address: P.O. Box 169 Crawford, NE 69339 | | | Invoice Contact & Phone: Larry Teahon 308-665-2215 ext 114 | | | Purchase Order: 1125 | | Quote/Bottle Order: | | | | | | | | |
| Special Report/Formats – ELI must be notified prior to sample submittal for the following: <input type="checkbox"/> DW <input type="checkbox"/> A2LA <input type="checkbox"/> GSA <input type="checkbox"/> EDD/EDT (Electronic Data) <input type="checkbox"/> POTW/WWTP <input type="checkbox"/> Format: _____ <input type="checkbox"/> State: _____ <input type="checkbox"/> LEVEL IV <input type="checkbox"/> Other: _____ <input type="checkbox"/> NELAC | | | | Number of Containers Sample Type: A W S V B O Air Water Solids/Solids Vegetation Bioassay Other | | ANALYSIS REQUESTED | | | | | | R U S H Contact ELI prior to RUSH sample submittal for charges and scheduling – See Instruction Page Comments: NDEQ parameters for baseline sampling. Report on separate sheets. Analyze as per WDEQ Guideline 8 and NRC Reg. Guide 4.14 requirements. Record U as mg/L and µCi/ml and radiometrics as pCi/L. | | Shipped by: UPS Cooler ID(s): Client | | |
| | | | | | | SEE ATTACHED Normal Turnaround (TAT) | | | | | | | | Receipt Temp 68 °C On Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Custody Seal Y <input checked="" type="checkbox"/> N Intact Y <input type="checkbox"/> N Signature Match Y <input type="checkbox"/> N | | |
| SAMPLE IDENTIFICATION (Name, Location, Interval, etc.) | | | Collection Date | Collection Time | MATRIX | HNO3-F, Metals | RAW-F, Common Ions | RAW-UF, Alkalinity | H2SO4-F, NO2, NO3, NH4 | Raw-UF, Ra226, Po210 dis, sus | Raw-UF, Pb210 dis and sus | Rau-UF, Th230, U-nat dis and sus | LABORATORY USE ONLY Please report 5/10/11 Please report 5/10/11 Please report 5/10/11 | | | |
| 1 BOW-4A | | | 4/5/11 | | Water | .5 | 1 | 1 | .5 | 1 | 1 | 1 | | | | |
| 2 BOW-7 | | | 4/5/11 | | Water | .5 | 1 | 1 | .5 | 1 | 1 | 1 | | | | |
| 3 BOW-8 | | | 4/5/11 | | Water | .5 | 1 | 1 | .5 | 1 | 1 | 1 | | | | |
| 4 | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | |
| Custody Record MUST be Signed | | Relinquished by (print): Rhonda Pelton | | Date/Time: 4-6-11 10:30am | | Signature: Rhonda Pelton | | Received by (print): UPS | | Date/Time: 4-8-11 9:30 | | Signature: H. Teahon | | | | |
| | | Relinquished by (print): | | Date/Time: | | Signature: | | Received by (print): | | Date/Time: | | Signature: | | | | |
| | | Sample Disposal: Return to Client: No Lab Disposal: YES | | | | | | Received by Laboratory: | | | | | | | | |

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report. Visit our web site at www.energielab.com for additional information, downloadable fee schedule, forms, and links.

CROW BUTTE RESOURCES, INC.
CROW BUTTE PROJECT

NO₂⁻

DATE: 4/5/11

ANALYST: _____

STANDARD CURVE DATA

| | | | | | | | |
|------------------------------|----|------|------|------|--|--|--|
| NO ₂ ⁻ | BL | 0.01 | 0.05 | 0.10 | | | |
| Abs | 0 | .031 | .170 | .343 | | | |
| Abs | | | | | | | |

| SAMPLE # | VOLUME | Df | Abs | NO ₂ ⁻ mg/L |
|-------------|--------|----|-------|-----------------------------------|
| 1 PR 8 | 10 ml | 1 | -.001 | < 0.01 |
| 2 BCW 4-A | 10 ml | 1 | .057 | 0.02 |
| 3 BCW 7 | 10 ml | 1 | .028 | 0.01 |
| 4 BCW 8 | 10 ml | 1 | .001 | < 0.01 |
| 5 | | | | |
| Dup BCW 4-A | 10 ml | 1 | .059 | 0.02 |
| 6 BCW 8 Dup | 10 ml | 1 | .000 | < 0.01 |
| 7 | | | | |
| 8 | | | | |
| 9 | | | | |
| 10 | | | | |
| Dup | | | | |
| 11 | | | | |
| 12 | | | | |
| 13 | | | | |
| 14 | | | | |
| 15 | | | | |
| Dup | | | | |
| 16 | | | | |
| 17 | | | | |
| 18 | | | | |
| 19 | | | | |
| 20 | | | | |
| Dup | | | | |
| 21 | | | | |
| 22 | | | | |
| 23 | | | | |
| 24 | | | | |
| 25 | | | | |
| Dup | | | | |



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ANALYTICAL SUMMARY REPORT

June 10, 2011

Crow Butte Resources
86 Crow Butte Rd
Crawford, NE 69339

Workorder No.: C11040326 Quote ID: C1125 - Crow Butte Uranium
Project Name: Marsland Baseline Samples

Energy Laboratories, Inc. Casper WY received the following 5 samples for Crow Butte Resources on 4/11/2011 for analysis.

| Sample ID | Client Sample ID | Collect Date | Receive Date | Matrix | Test |
|---------------|------------------|----------------|--------------|---------|--|
| C11040326-001 | Well #705 | 04/06/11 00:00 | 04/11/11 | Aqueous | Metals by ICP/ICPMS, Dissolved Alkalinity QA Calculations Conductivity Sample Filtering Fluoride E300.0 Anions Uranium, Suspended Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Digestion, Total Metals Lead 210, Dissolved Lead 210, Suspended Polonium 210, Dissolved Polonium 210, Suspended Radium 226, Dissolved Radium 226, Suspended Thorium, Isotopic Thorium, Suspended Isotopic Solids, Total Dissolved |
| C11040326-002 | Well #788 | 04/06/11 00:00 | 04/11/11 | Aqueous | Same As Above |
| C11040326-003 | BOW-1 | 04/06/11 00:00 | 04/11/11 | Aqueous | Same As Above |
| C11040326-004 | Well #727 | 04/06/11 00:00 | 04/11/11 | Aqueous | Same As Above |
| C11040326-005 | CPW-2010-1 | 04/06/11 00:00 | 04/11/11 | Aqueous | Same As Above |

This report was prepared by Energy Laboratories, Inc., 2393 Salt Creek Hwy., Casper, WY 82601. Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

The results as reported relate only to the item(s) submitted for testing.

If you have any questions regarding these test results, please call.

Report Approved By:



CLIENT: Crow Butte Resources
Project: Marsland Baseline Samples
Sample Delivery Group: C11040326

Report Date: 06/10/11

CASE NARRATIVE

RADIOCHEMISTRY ANALYSIS

Per client request, results less than MDC (or precision if no MDC), are reported as <MDC (or <precision). Actual instrument results are available by request.

BRANCH LABORATORY SUBCONTRACT ANALYSIS

Tests associated with analyst identified as ELI-CS were subcontracted to Energy Laboratories, 415 Graham Rd., College Station, TX, EPA Number TX01520.

PREP COMMENTS

The prep hold time for the Filtration of metals was exceeded by up to 4.34 days.

ORIGINAL SAMPLE SUBMITTAL(S)

All original sample submittals have been returned with the data package.

SAMPLE TEMPERATURE COMPLIANCE: 4°C (±2°C)

Temperature of samples received may not be considered properly preserved by accepted standards. Samples that are hand delivered immediately after collection shall be considered acceptable if there is evidence that the chilling process has begun.

GROSS ALPHA ANALYSIS

Method 900.0 for gross alpha and gross beta is intended as a drinking water method for low TDS waters. Data provided by this method for non potable waters should be viewed as inconsistent.

SOIL/SOLID SAMPLES

All samples reported on an as received basis unless otherwise indicated.

SUBCONTRACTING ANALYSIS

Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.

BRANCH LABORATORY LOCATIONS

eli-b - Energy Laboratories, Inc. - Billings, MT
eli-g - Energy Laboratories, Inc. - Gillette, WY
eli-h - Energy Laboratories, Inc. - Helena, MT
eli-r - Energy Laboratories, Inc. - Rapid City, SD
eli-t - Energy Laboratories, Inc. - College Station, TX

CERTIFICATIONS:

USEPA: WY00002; FL-DOH NELAC: E87641; California: 02118CA
Oregon: WY200001; Utah: 3072350515; Virginia: 00057; Washington: C1903

ISO 17025 DISCLAIMER:

The results of this Analytical Report relate only to the items submitted for analysis.

ENERGY LABORATORIES, INC. - CASPER, WY certifies that certain method selections contained in this report meet requirements as set forth by the above accrediting authorities. Some results requested by the client may not be covered under these certifications. All analysis data to be submitted for regulatory enforcement should be certified in the sample state of origin. Please verify ELI's certification coverage by visiting www.energylab.com

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LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11040326-001
Client Sample ID: Well #705

Report Date: 06/10/11
Collection Date: 04/06/11
Date Received: 04/11/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|------------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 150 | mg/L | | 1 | | A2320 B | 04/13/11 15:47 / jba |
| Carbonate as CO ₃ | ND | mg/L | | 1 | | A2320 B | 04/13/11 15:47 / jba |
| Bicarbonate as HCO ₃ | 184 | mg/L | | 1 | | A2320 B | 04/13/11 15:47 / jba |
| Calcium | 35 | mg/L | | 1 | | E200.7 | 04/22/11 13:57 / cp |
| Chloride | 3 | mg/L | | 1 | | E300.0 | 04/13/11 15:21 / ljl |
| Fluoride | 0.6 | mg/L | | 0.1 | | A4500-F C | 04/13/11 09:55 / jba |
| Magnesium | 8 | mg/L | | 1 | | E200.7 | 04/22/11 13:57 / cp |
| Nitrogen, Ammonia as N | ND | mg/L | | 0.05 | | A4500-NH ₃ G | 04/13/11 12:46 / dc |
| Nitrogen, Nitrate+Nitrite as N | 1.4 | mg/L | | 0.1 | | E353.2 | 04/14/11 14:24 / dc |
| Potassium | 4 | mg/L | | 1 | | E200.7 | 04/22/11 13:57 / cp |
| Silica | 74.6 | mg/L | | 0.2 | | E200.7 | 04/22/11 13:57 / cp |
| Sodium | 19 | mg/L | | 1 | | E200.7 | 04/22/11 13:57 / cp |
| Sulfate | 9 | mg/L | | 1 | | E300.0 | 04/13/11 15:21 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 306 | umhos/cm | | 1 | | A2510 B | 04/12/11 13:06 / lr |
| pH | 7.74 | s.u. | | 0.01 | | A4500-H B | 04/12/11 13:06 / lr |
| Solids, Total Dissolved TDS @ 180 C | 227 | mg/L | | 10 | | A2540 C | 04/12/11 13:43 / lmc |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.8 | 04/13/11 16:55 / sml |
| Arsenic | 0.004 | mg/L | | 0.001 | | E200.8 | 04/13/11 16:55 / sml |
| Barium | 0.1 | mg/L | | 0.1 | | E200.8 | 04/13/11 16:55 / sml |
| Boron | ND | mg/L | | 0.1 | | E200.7 | 04/22/11 13:57 / cp |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 04/13/11 16:55 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 04/13/11 16:55 / sml |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 04/13/11 16:55 / sml |
| Iron | 0.04 | mg/L | | 0.03 | | E200.7 | 04/22/11 13:57 / cp |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 04/13/11 16:55 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 04/13/11 16:55 / sml |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 04/13/11 16:55 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 04/13/11 16:55 / sml |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 04/13/11 16:55 / sml |
| Selenium | 0.001 | mg/L | | 0.001 | | E200.8 | 04/13/11 16:55 / sml |
| Uranium | 0.0071 | mg/L | | 0.0003 | | E200.8 | 04/13/11 16:55 / sml |
| Uranium, Activity | 4.8E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 04/13/11 16:55 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 04/13/11 16:55 / sml |
| Zinc | 0.06 | mg/L | | 0.01 | | E200.8 | 04/13/11 16:55 / sml |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 04/21/11 13:46 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 04/21/11 13:46 / sml |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11040326-001
Client Sample ID: Well #705

Report Date: 06/10/11
Collection Date: 04/06/11
Date Received: 04/11/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|------------|-----|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <1.3 | pCi/L | U | 1.3 | | E909.0 | 05/16/11 04:37 / eli-cs |
| Lead 210 precision (±) | 0.8 | pCi/L | | | | E909.0 | 05/16/11 04:37 / eli-cs |
| Lead 210 MDC | 1.3 | pCi/L | | | | E909.0 | 05/16/11 04:37 / eli-cs |
| Polonium 210 | <0.6 | pCi/L | U | 0.6 | | E912.0 | 05/09/11 09:07 / ep |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 05/09/11 09:07 / ep |
| Polonium 210 MDC | 0.6 | pCi/L | | | | E912.0 | 05/09/11 09:07 / ep |
| Radium 226 | <0.1 | pCi/L | U | 0.1 | | E903.0 | 05/02/11 11:18 / trs |
| Radium 226 precision (±) | 0.07 | pCi/L | | | | E903.0 | 05/02/11 11:18 / trs |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 05/02/11 11:18 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 05/10/11 08:41 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 05/10/11 08:41 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 05/10/11 08:41 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.9 | pCi/L | U | 0.9 | | E909.0 | 05/22/11 15:42 / eli-cs |
| Lead 210 precision (±) | 0.6 | pCi/L | | | | E909.0 | 05/22/11 15:42 / eli-cs |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 05/22/11 15:42 / eli-cs |
| Polonium 210 | <0.2 | pCi/L | U | 0.2 | | E912.0 | 05/05/11 11:49 / ep |
| Polonium 210 precision (±) | 0.07 | pCi/L | | | | E912.0 | 05/05/11 11:49 / ep |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 05/05/11 11:49 / ep |
| Radium 226 | <0.1 | pCi/L | U | 0.1 | | E903.0 | 05/02/11 21:53 / trs |
| Radium 226 precision (±) | 0.04 | pCi/L | | | | E903.0 | 05/02/11 21:53 / trs |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 05/02/11 21:53 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 05/04/11 15:26 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 05/04/11 15:26 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 05/04/11 15:26 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | -0.777 | % | | | | Calculation | 05/02/11 08:35 / kbh |
| Anions | 3.40 | meq/L | | | | Calculation | 05/02/11 08:35 / kbh |
| Cations | 3.35 | meq/L | | | | Calculation | 05/02/11 08:35 / kbh |
| Solids, Total Dissolved Calculated | 270 | mg/L | | | | Calculation | 05/02/11 08:35 / kbh |
| TDS Balance (0.80 - 1.20) | 0.840 | | | | | Calculation | 05/02/11 08:35 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11040326-002
Client Sample ID: Well #788

Report Date: 06/10/11
Collection Date: 04/06/11
Date Received: 04/11/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|------------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 151 | mg/L | | 1 | | A2320 B | 04/13/11 16:11 / jba |
| Carbonate as CO ₃ | ND | mg/L | | 1 | | A2320 B | 04/13/11 16:11 / jba |
| Bicarbonate as HCO ₃ | 184 | mg/L | | 1 | | A2320 B | 04/13/11 16:11 / jba |
| Calcium | 33 | mg/L | | 1 | | E200.7 | 04/22/11 14:09 / cp |
| Chloride | 3 | mg/L | | 1 | | E300.0 | 04/13/11 15:36 / ljl |
| Fluoride | 0.4 | mg/L | | 0.1 | | A4500-F C | 04/13/11 10:08 / jba |
| Magnesium | 9 | mg/L | | 1 | | E200.7 | 04/22/11 14:09 / cp |
| Nitrogen, Ammonia as N | ND | mg/L | | 0.05 | | A4500-NH ₃ G | 04/13/11 12:48 / dc |
| Nitrogen, Nitrate+Nitrite as N | 2.1 | mg/L | | 0.1 | | E353.2 | 04/14/11 14:26 / dc |
| Potassium | 4 | mg/L | | 1 | | E200.7 | 04/22/11 14:09 / cp |
| Silica | 72.1 | mg/L | | 0.2 | | E200.7 | 04/22/11 14:09 / cp |
| Sodium | 20 | mg/L | | 1 | | E200.7 | 04/22/11 14:09 / cp |
| Sulfate | 7 | mg/L | | 1 | | E300.0 | 04/13/11 15:36 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 309 | umhos/cm | | 1 | | A2510 B | 04/12/11 13:08 / lr |
| pH | 7.86 | s.u. | | 0.01 | | A4500-H B | 04/12/11 13:08 / lr |
| Solids, Total Dissolved TDS @ 180 C | 221 | mg/L | | 10 | | A2540 C | 04/12/11 13:43 / lmc |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.8 | 04/14/11 02:51 / sml |
| Arsenic | 0.003 | mg/L | | 0.001 | | E200.8 | 04/14/11 02:51 / sml |
| Barium | 0.1 | mg/L | | 0.1 | | E200.8 | 04/14/11 02:51 / sml |
| Boron | 0.1 | mg/L | | 0.1 | | E200.7 | 04/22/11 14:09 / cp |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 04/14/11 02:51 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 04/14/11 02:51 / sml |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 04/14/11 02:51 / sml |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 04/22/11 14:09 / cp |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 04/14/11 02:51 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 04/14/11 02:51 / sml |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 04/14/11 02:51 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 04/14/11 02:51 / sml |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 04/14/11 02:51 / sml |
| Selenium | 0.001 | mg/L | | 0.001 | | E200.8 | 04/14/11 02:51 / sml |
| Uranium | 0.0073 | mg/L | | 0.0003 | | E200.8 | 04/14/11 02:51 / sml |
| Uranium, Activity | 4.9E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 04/14/11 02:51 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 04/14/11 02:51 / sml |
| Zinc | 0.07 | mg/L | | 0.01 | | E200.8 | 04/14/11 02:51 / sml |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 04/21/11 13:50 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 04/21/11 13:50 / sml |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11040326-002
Client Sample ID: Well #788

Report Date: 06/10/11
Collection Date: 04/06/11
Date Received: 04/11/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|------------|-----|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 05/16/11 11:11 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 05/16/11 11:11 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 05/16/11 11:11 / eli-cs |
| Polonium 210 | <0.5 | pCi/L | U | 0.5 | | E912.0 | 05/09/11 09:07 / ep |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 05/09/11 09:07 / ep |
| Polonium 210 MDC | 0.5 | pCi/L | | | | E912.0 | 05/09/11 09:07 / ep |
| Radium 226 | <0.1 | pCi/L | U | 0.1 | | E903.0 | 05/02/11 11:18 / trs |
| Radium 226 precision (±) | 0.05 | pCi/L | | | | E903.0 | 05/02/11 11:18 / trs |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 05/02/11 11:18 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 05/10/11 08:41 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 05/10/11 08:41 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 05/10/11 08:41 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 05/22/11 22:17 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 05/22/11 22:17 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 05/22/11 22:17 / eli-cs |
| Polonium 210 | <0.2 | pCi/L | U | 0.2 | | E912.0 | 05/05/11 11:49 / ep |
| Polonium 210 precision (±) | 0.08 | pCi/L | | | | E912.0 | 05/05/11 11:49 / ep |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 05/05/11 11:49 / ep |
| Radium 226 | <0.1 | pCi/L | U | 0.1 | | E903.0 | 05/02/11 21:53 / trs |
| Radium 226 precision (±) | 0.04 | pCi/L | | | | E903.0 | 05/02/11 21:53 / trs |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 05/02/11 21:53 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 05/04/11 15:26 / dmf |
| Thorium 230 precision (±) | 0.08 | pCi/L | | | | E908.0 | 05/04/11 15:26 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 05/04/11 15:26 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | -1.03 | % | | | | Calculation | 05/02/11 08:35 / kbh |
| Anions | 3.42 | meq/L | | | | Calculation | 05/02/11 08:35 / kbh |
| Cations | 3.35 | meq/L | | | | Calculation | 05/02/11 08:35 / kbh |
| Solids, Total Dissolved Calculated | 268 | mg/L | | | | Calculation | 05/02/11 08:35 / kbh |
| TDS Balance (0.80 - 1.20) | 0.820 | | | | | Calculation | 05/02/11 08:35 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11040326-003
Client Sample ID: BOW-1

Report Date: 06/10/11
Collection Date: 04/06/11
Date Received: 04/11/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|------------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 212 | mg/L | | 1 | | A2320 B | 04/11/11 17:42 / jba |
| Carbonate as CO ₃ | 104 | mg/L | | 1 | | A2320 B | 04/11/11 17:42 / jba |
| Bicarbonate as HCO ₃ | 48 | mg/L | | 1 | | A2320 B | 04/11/11 17:42 / jba |
| Calcium | 5 | mg/L | | 1 | | E200.7 | 04/22/11 14:17 / cp |
| Chloride | 63 | mg/L | | 1 | | E300.0 | 04/13/11 15:52 / ljl |
| Fluoride | 0.6 | mg/L | | 0.1 | | A4500-F C | 04/13/11 10:10 / jba |
| Magnesium | ND | mg/L | | 1 | | E200.7 | 04/22/11 14:17 / cp |
| Nitrogen, Ammonia as N | ND | mg/L | | 0.05 | | A4500-NH ₃ G | 04/13/11 12:50 / dc |
| Nitrogen, Nitrate+Nitrite as N | 1.3 | mg/L | | 0.1 | | E353.2 | 04/14/11 14:29 / dc |
| Potassium | 12 | mg/L | | 1 | | E200.7 | 04/22/11 14:17 / cp |
| Silica | 110 | mg/L | | 0.2 | | E200.7 | 04/22/11 14:17 / cp |
| Sodium | 145 | mg/L | | 1 | | E200.7 | 04/22/11 14:17 / cp |
| Sulfate | 62 | mg/L | D | 2 | | E300.0 | 04/13/11 15:52 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 763 | umhos/cm | | 1 | | A2510 B | 04/11/11 14:49 / lr |
| pH | 10.0 | s.u. | | 0.01 | | A4500-H B | 04/11/11 14:49 / lr |
| Solids, Total Dissolved TDS @ 180 C | 537 | mg/L | | 10 | | A2540 C | 04/12/11 13:43 / lmc |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.8 | 04/14/11 02:58 / sml |
| Arsenic | 0.014 | mg/L | | 0.001 | | E200.8 | 04/14/11 02:58 / sml |
| Barium | ND | mg/L | | 0.1 | | E200.8 | 04/14/11 02:58 / sml |
| Boron | ND | mg/L | | 0.1 | | E200.7 | 04/22/11 14:17 / cp |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 04/14/11 02:58 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 04/14/11 02:58 / sml |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 04/14/11 02:58 / sml |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 04/22/11 14:17 / cp |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 04/14/11 02:58 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 04/14/11 02:58 / sml |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 04/14/11 02:58 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 04/14/11 02:58 / sml |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 04/14/11 02:58 / sml |
| Selenium | 0.016 | mg/L | | 0.001 | | E200.8 | 04/14/11 02:58 / sml |
| Uranium | 0.0020 | mg/L | | 0.0003 | | E200.8 | 04/14/11 02:58 / sml |
| Uranium, Activity | 1.3E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 04/14/11 02:58 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 04/14/11 02:58 / sml |
| Zinc | 0.08 | mg/L | | 0.01 | | E200.8 | 04/14/11 02:58 / sml |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 04/21/11 13:54 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 04/21/11 13:54 / sml |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11040326-003
Client Sample ID: BOW-1

Report Date: 06/10/11
Collection Date: 04/06/11
Date Received: 04/11/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|------------|-----|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 05/16/11 13:23 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 05/16/11 13:23 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 05/16/11 13:23 / eli-cs |
| Polonium 210 | <0.5 | pCi/L | U | 0.5 | | E912.0 | 05/09/11 09:07 / ep |
| Polonium 210 precision (±) | 0.4 | pCi/L | | | | E912.0 | 05/09/11 09:07 / ep |
| Polonium 210 MDC | 0.5 | pCi/L | | | | E912.0 | 05/09/11 09:07 / ep |
| Radium 226 | <0.1 | pCi/L | U | 0.1 | | E903.0 | 05/02/11 11:18 / trs |
| Radium 226 precision (±) | 0.06 | pCi/L | | | | E903.0 | 05/02/11 11:18 / trs |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 05/02/11 11:18 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 05/10/11 08:41 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 05/10/11 08:41 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 05/10/11 08:41 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.9 | pCi/L | U | 0.9 | | E909.0 | 05/23/11 00:28 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 05/23/11 00:28 / eli-cs |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 05/23/11 00:28 / eli-cs |
| Polonium 210 | <0.2 | pCi/L | U | 0.2 | | E912.0 | 05/05/11 11:49 / ep |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 05/05/11 11:49 / ep |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 05/05/11 11:49 / ep |
| Radium 226 | <0.1 | pCi/L | U | 0.1 | | E903.0 | 05/02/11 21:53 / trs |
| Radium 226 precision (±) | 0.06 | pCi/L | | | | E903.0 | 05/02/11 21:53 / trs |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 05/02/11 21:53 / trs |
| Thorium 230 | 0.3 | pCi/L | | 0.1 | | E908.0 | 05/04/11 15:26 / dmf |
| Thorium 230 precision (±) | 0.2 | pCi/L | | | | E908.0 | 05/04/11 15:26 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 05/04/11 15:26 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | -3.96 | % | | | | Calculation | 05/02/11 08:36 / kbh |
| Anions | 7.44 | meq/L | | | | Calculation | 05/02/11 08:36 / kbh |
| Cations | 6.87 | meq/L | | | | Calculation | 05/02/11 08:36 / kbh |
| Solids, Total Dissolved Calculated | 560 | mg/L | | | | Calculation | 05/02/11 08:36 / kbh |
| TDS Balance (0.80 - 1.20) | 0.960 | | | | | Calculation | 05/02/11 08:36 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11040326-004
Client Sample ID: Well #727

Report Date: 06/10/11
Collection Date: 04/06/11
Date Received: 04/11/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|------------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 160 | mg/L | | 1 | | A2320 B | 04/11/11 17:50 / jba |
| Carbonate as CO ₃ | ND | mg/L | | 1 | | A2320 B | 04/11/11 17:50 / jba |
| Bicarbonate as HCO ₃ | 195 | mg/L | | 1 | | A2320 B | 04/11/11 17:50 / jba |
| Calcium | 31 | mg/L | | 1 | | E200.7 | 04/22/11 14:22 / cp |
| Chloride | 5 | mg/L | | 1 | | E300.0 | 04/13/11 21:16 / ljl |
| Fluoride | 0.5 | mg/L | | 0.1 | | A4500-F C | 04/13/11 10:15 / jba |
| Magnesium | 13 | mg/L | | 1 | | E200.7 | 04/22/11 14:22 / cp |
| Nitrogen, Ammonia as N | ND | mg/L | | 0.05 | | A4500-NH ₃ G | 04/13/11 12:58 / dc |
| Nitrogen, Nitrate+Nitrite as N | 1.3 | mg/L | | 0.1 | | E353.2 | 04/14/11 14:31 / dc |
| Potassium | 4 | mg/L | | 1 | | E200.7 | 04/22/11 14:22 / cp |
| Silica | 81.8 | mg/L | | 0.2 | | E200.7 | 04/22/11 14:22 / cp |
| Sodium | 19 | mg/L | | 1 | | E200.7 | 04/22/11 14:22 / cp |
| Sulfate | 9 | mg/L | | 1 | | E300.0 | 04/13/11 21:16 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 322 | umhos/cm | | 1 | | A2510 B | 04/11/11 14:53 / lr |
| pH | 7.94 | s.u. | | 0.01 | | A4500-H B | 04/11/11 14:53 / lr |
| Solids, Total Dissolved TDS @ 180 C | 247 | mg/L | | 10 | | A2540 C | 04/12/11 13:44 / lmc |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.8 | 04/14/11 03:05 / sml |
| Arsenic | 0.002 | mg/L | | 0.001 | | E200.8 | 04/14/11 03:05 / sml |
| Barium | ND | mg/L | | 0.1 | | E200.8 | 04/14/11 03:05 / sml |
| Boron | ND | mg/L | | 0.1 | | E200.7 | 04/22/11 14:22 / cp |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 04/14/11 03:05 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 04/14/11 03:05 / sml |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 04/14/11 03:05 / sml |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 04/22/11 14:22 / cp |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 04/14/11 03:05 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 04/14/11 03:05 / sml |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 04/14/11 03:05 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 04/14/11 03:05 / sml |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 04/14/11 03:05 / sml |
| Selenium | 0.002 | mg/L | | 0.001 | | E200.8 | 04/14/11 03:05 / sml |
| Uranium | 0.0107 | mg/L | | 0.0003 | | E200.8 | 04/14/11 03:05 / sml |
| Uranium, Activity | 7.2E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 04/14/11 03:05 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 04/14/11 03:05 / sml |
| Zinc | 0.26 | mg/L | | 0.01 | | E200.8 | 04/14/11 03:05 / sml |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 04/21/11 13:58 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 04/21/11 13:58 / sml |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11040326-004
Client Sample ID: Well #727

Report Date: 06/10/11
Collection Date: 04/06/11
Date Received: 04/11/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|------------|-----|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 05/16/11 15:34 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 05/16/11 15:34 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 05/16/11 15:34 / eli-cs |
| Polonium 210 | <0.8 | pCi/L | U | 0.8 | | E912.0 | 05/09/11 09:07 / ep |
| Polonium 210 precision (±) | 0.5 | pCi/L | | | | E912.0 | 05/09/11 09:07 / ep |
| Polonium 210 MDC | 0.8 | pCi/L | | | | E912.0 | 05/09/11 09:07 / ep |
| Radium 226 | <0.1 | pCi/L | U | 0.1 | | E903.0 | 05/02/11 11:18 / trs |
| Radium 226 precision (±) | 0.05 | pCi/L | | | | E903.0 | 05/02/11 11:18 / trs |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 05/02/11 11:18 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 05/10/11 08:42 / dmf |
| Thorium 230 precision (±) | 0.09 | pCi/L | | | | E908.0 | 05/10/11 08:42 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 05/10/11 08:42 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 05/23/11 02:39 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 05/23/11 02:39 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 05/23/11 02:39 / eli-cs |
| Polonium 210 | <0.2 | pCi/L | U | 0.2 | | E912.0 | 05/06/11 08:47 / ep |
| Polonium 210 precision (±) | 0.1 | pCi/L | | | | E912.0 | 05/06/11 08:47 / ep |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 05/06/11 08:47 / ep |
| Radium 226 | <0.1 | pCi/L | U | 0.1 | | E903.0 | 05/02/11 21:53 / trs |
| Radium 226 precision (±) | 0.04 | pCi/L | | | | E903.0 | 05/02/11 21:53 / trs |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 05/02/11 21:53 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 05/04/11 15:26 / dmf |
| Thorium 230 precision (±) | 0.08 | pCi/L | | | | E908.0 | 05/04/11 15:26 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 05/04/11 15:26 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | -1.17 | % | | | | Calculation | 05/02/11 08:36 / kbh |
| Anions | 3.64 | meq/L | | | | Calculation | 05/02/11 08:36 / kbh |
| Cations | 3.55 | meq/L | | | | Calculation | 05/02/11 08:36 / kbh |
| Solids, Total Dissolved Calculated | 287 | mg/L | | | | Calculation | 05/02/11 08:36 / kbh |
| TDS Balance (0.80 - 1.20) | 0.860 | | | | | Calculation | 05/02/11 08:36 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11040326-005
Client Sample ID: CPW-2010-1

Report Date: 06/10/11
Collection Date: 04/06/11
Date Received: 04/11/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|------------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 368 | mg/L | | 1 | | A2320 B | 04/11/11 17:58 / jba |
| Carbonate as CO ₃ | 12 | mg/L | | 1 | | A2320 B | 04/11/11 17:58 / jba |
| Bicarbonate as HCO ₃ | 424 | mg/L | | 1 | | A2320 B | 04/11/11 17:58 / jba |
| Calcium | 5 | mg/L | | 1 | | E200.7 | 04/22/11 14:26 / cp |
| Chloride | 180 | mg/L | | 1 | | E300.0 | 04/13/11 21:31 / ljl |
| Fluoride | 0.8 | mg/L | | 0.1 | | A4500-F C | 04/13/11 10:24 / jba |
| Magnesium | 1 | mg/L | | 1 | | E200.7 | 04/22/11 14:26 / cp |
| Nitrogen, Ammonia as N | 0.26 | mg/L | | 0.05 | | A4500-NH ₃ G | 04/13/11 13:00 / dc |
| Nitrogen, Nitrate+Nitrite as N | ND | mg/L | | 0.1 | | E353.2 | 04/14/11 14:41 / dc |
| Potassium | 11 | mg/L | | 1 | | E200.7 | 04/22/11 14:26 / cp |
| Silica | 16.4 | mg/L | | 0.2 | | E200.7 | 04/22/11 14:26 / cp |
| Sodium | 336 | mg/L | | 1 | | E200.7 | 04/22/11 14:26 / cp |
| Sulfate | 94 | mg/L | D | 4 | | E300.0 | 04/13/11 21:31 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 1420 | umhos/cm | | 1 | | A2510 B | 04/11/11 14:55 / lr |
| pH | 8.40 | s.u. | | 0.01 | | A4500-H B | 04/11/11 14:55 / lr |
| Solids, Total Dissolved TDS @ 180 C | 853 | mg/L | | 10 | | A2540 C | 04/12/11 13:44 / lmc |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.8 | 04/14/11 03:11 / sml |
| Arsenic | 0.002 | mg/L | | 0.001 | | E200.8 | 04/14/11 03:11 / sml |
| Barium | ND | mg/L | | 0.1 | | E200.8 | 04/14/11 03:11 / sml |
| Boron | 1.4 | mg/L | | 0.1 | | E200.7 | 04/22/11 14:26 / cp |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 04/14/11 03:11 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 04/14/11 03:11 / sml |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 04/14/11 03:11 / sml |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 04/22/11 14:26 / cp |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 04/14/11 03:11 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 04/14/11 03:11 / sml |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 04/14/11 03:11 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 04/14/11 03:11 / sml |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 04/14/11 03:11 / sml |
| Selenium | 0.001 | mg/L | | 0.001 | | E200.8 | 04/14/11 03:11 / sml |
| Uranium | 0.0114 | mg/L | | 0.0003 | | E200.8 | 04/14/11 03:11 / sml |
| Uranium, Activity | 7.7E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 04/14/11 03:11 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 04/14/11 03:11 / sml |
| Zinc | ND | mg/L | | 0.01 | | E200.8 | 04/14/11 03:11 / sml |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 04/21/11 14:02 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 04/21/11 14:02 / sml |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11040326-005
Client Sample ID: CPW-2010-1

Report Date: 06/10/11
Collection Date: 04/06/11
Date Received: 04/11/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|------------|-----|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | 9.0 | pCi/L | | 0.6 | | E909.0 | 05/16/11 17:46 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 05/16/11 17:46 / eli-cs |
| Lead 210 MDC | 0.6 | pCi/L | | | | E909.0 | 05/16/11 17:46 / eli-cs |
| Polonium 210 | 1.7 | pCi/L | | 0.7 | | E912.0 | 05/09/11 09:06 / ep |
| Polonium 210 precision (±) | 0.9 | pCi/L | | | | E912.0 | 05/09/11 09:06 / ep |
| Polonium 210 MDC | 0.7 | pCi/L | | | | E912.0 | 05/09/11 09:06 / ep |
| Radium 226 | 29 | pCi/L | | 0.1 | | E903.0 | 05/02/11 11:18 / trs |
| Radium 226 precision (±) | 1 | pCi/L | | | | E903.0 | 05/02/11 11:18 / trs |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 05/02/11 11:18 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 05/10/11 08:42 / dmf |
| Thorium 230 precision (±) | 0.09 | pCi/L | | | | E908.0 | 05/10/11 08:42 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 05/10/11 08:42 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | 4.0 | pCi/L | | 0.8 | | E909.0 | 05/23/11 04:51 / eli-cs |
| Lead 210 precision (±) | 0.6 | pCi/L | | | | E909.0 | 05/23/11 04:51 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 05/23/11 04:51 / eli-cs |
| Polonium 210 | 0.9 | pCi/L | | 0.2 | | E912.0 | 05/06/11 08:47 / ep |
| Polonium 210 precision (±) | 0.4 | pCi/L | | | | E912.0 | 05/06/11 08:47 / ep |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 05/06/11 08:47 / ep |
| Radium 226 | <0.1 | pCi/L | U | 0.1 | | E903.0 | 05/02/11 21:53 / trs |
| Radium 226 precision (±) | 0.05 | pCi/L | | | | E903.0 | 05/02/11 21:53 / trs |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 05/02/11 21:53 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 05/04/11 15:26 / dmf |
| Thorium 230 precision (±) | 0.1 | pCi/L | | | | E908.0 | 05/04/11 15:26 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 05/04/11 15:26 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 2.86 | % | | | | Calculation | 05/02/11 08:36 / kbh |
| Anions | 14.4 | meq/L | | | | Calculation | 05/02/11 08:36 / kbh |
| Cations | 15.3 | meq/L | | | | Calculation | 05/02/11 08:36 / kbh |
| Solids, Total Dissolved Calculated | 870 | mg/L | | | | Calculation | 05/02/11 08:36 / kbh |
| TDS Balance (0.80 - 1.20) | 0.980 | | | | | Calculation | 05/02/11 08:36 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 06/10/11

Project: Marsland Baseline Samples

Work Order: C11040326

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|--|-------|---------------------------|-------|-----|------|----------------------|------------|-----|----------|----------------|
| Method: A2320 B | | | | | | | | | | Batch: R144692 |
| Sample ID: MBLK | 3 | Method Blank | | | | Run: MANTECH_110411A | | | | 04/11/11 15:25 |
| Alkalinity, Total as CaCO ₃ | | 1.44 | mg/L | 1.0 | | | | | | |
| Carbonate as CO ₃ | | ND | mg/L | 1.0 | | | | | | |
| Bicarbonate as HCO ₃ | | 1.76 | mg/L | 1.0 | | | | | | |
| Sample ID: LCS | | Laboratory Control Sample | | | | Run: MANTECH_110411A | | | | 04/11/11 15:41 |
| Alkalinity, Total as CaCO ₃ | | 211 | mg/L | 5.0 | 105 | 90 | 110 | | | |
| Sample ID: C11040326-005BDUP | | Sample Duplicate | | | | Run: MANTECH_110411A | | | | 04/11/11 18:06 |
| Alkalinity, Total as CaCO ₃ | | 367 | mg/L | 5.0 | | | | 0.3 | 10 | |
| Sample ID: C11040326-005BMS | | Sample Matrix Spike | | | | Run: MANTECH_110411A | | | | 04/11/11 18:16 |
| Alkalinity, Total as CaCO ₃ | | 502 | mg/L | 5.0 | 107 | 80 | 120 | | | |
| Method: A2320 B | | | | | | | | | | Batch: R144789 |
| Sample ID: MBLK | 3 | Method Blank | | | | Run: MANTECH_110413B | | | | 04/13/11 15:23 |
| Alkalinity, Total as CaCO ₃ | | ND | mg/L | 1.0 | | | | | | |
| Carbonate as CO ₃ | | ND | mg/L | 1.0 | | | | | | |
| Bicarbonate as HCO ₃ | | ND | mg/L | 1.0 | | | | | | |
| Sample ID: LCS | | Laboratory Control Sample | | | | Run: MANTECH_110413B | | | | 04/13/11 15:39 |
| Alkalinity, Total as CaCO ₃ | | 207 | mg/L | 5.0 | 104 | 90 | 110 | | | |
| Sample ID: C11040326-001BDUP | | Sample Duplicate | | | | Run: MANTECH_110413B | | | | 04/13/11 15:55 |
| Alkalinity, Total as CaCO ₃ | | 151 | mg/L | 5.0 | | | | 0.5 | 10 | |
| Sample ID: C11040326-001BMS | | Sample Matrix Spike | | | | Run: MANTECH_110413B | | | | 04/13/11 16:03 |
| Alkalinity, Total as CaCO ₃ | | 282 | mg/L | 5.0 | 105 | 80 | 120 | | | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 06/10/11

Project: Marsland Baseline Samples

Work Order: C11040326

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|------------------------------|---|--------|----------|-------------------------------------|------|-----------|------------|-----|----------|--------------------------|
| Method: A2510 B | | | | Analytical Run: ORION555A-2_110411A | | | | | | |
| Sample ID: ICV2_110411_1 | Initial Calibration Verification Standard | | | | | | | | | 04/11/11 14:18 |
| Conductivity @ 25 C | | 1400 | umhos/cm | 1.0 | 99 | 90 | 110 | | | |
| Method: A2510 B | | | | Batch: 110411_1_PH-W_555A-2 | | | | | | |
| Sample ID: MBLK1_110411_1 | Method Blank | | | | | | | | | 04/11/11 14:15 |
| Conductivity @ 25 C | | ND | umhos/cm | 1.0 | | | | | | Run: ORION555A-2_110411A |
| Sample ID: C11040326-003BDUP | Sample Duplicate | | | | | | | | | 04/11/11 14:51 |
| Conductivity @ 25 C | | 759 | umhos/cm | 1.0 | | | | 0.5 | 10 | Run: ORION555A-2_110411A |
| Method: A2510 B | | | | Analytical Run: ORION555A-2_110412A | | | | | | |
| Sample ID: ICV2_110412_1 | Initial Calibration Verification Standard | | | | | | | | | 04/12/11 13:03 |
| Conductivity @ 25 C | | 1380 | umhos/cm | 1.0 | 97 | 90 | 110 | | | |
| Method: A2510 B | | | | Batch: 110412_1_PH-W_555A-2 | | | | | | |
| Sample ID: MBLK1_110412_1 | Method Blank | | | | | | | | | 04/12/11 12:59 |
| Conductivity @ 25 C | | ND | umhos/cm | 1.0 | | | | | | Run: ORION555A-2_110412A |
| Sample ID: C11040355-002ADUP | Sample Duplicate | | | | | | | | | 04/12/11 13:23 |
| Conductivity @ 25 C | | 2960 | umhos/cm | 1.0 | | | | 0.2 | 10 | Run: ORION555A-2_110412A |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples

Report Date: 06/10/11
Work Order: C11040326

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|---------------------------|-------|----|------|--------------------|------------|----------------------------|----------|------|
| Method: A2540 C | | | | | | | | Batch: 110412_1_SLDS-TDS-W | | |
| Sample ID: MBLK1_110412 | | Method Blank | | | | Run: BAL-1_110412B | | 04/12/11 13:40 | | |
| Solids, Total Dissolved TDS @ 180 C | | ND | mg/L | 10 | | | | | | |
| Sample ID: LCS1_110412 | | Laboratory Control Sample | | | | Run: BAL-1_110412B | | 04/12/11 13:40 | | |
| Solids, Total Dissolved TDS @ 180 C | | 999 | mg/L | 10 | 99 | 90 | 110 | | | |
| Sample ID: C11040326-003ADUP | | Sample Duplicate | | | | Run: BAL-1_110412B | | 04/12/11 13:44 | | |
| Solids, Total Dissolved TDS @ 180 C | | 533 | mg/L | 10 | | | | 0.7 | 10 | |
| Sample ID: C11040343-003AMS | | Sample Matrix Spike | | | | Run: BAL-1_110412B | | 04/12/11 13:46 | | |
| Solids, Total Dissolved TDS @ 180 C | | 2390 | mg/L | 10 | 103 | 90 | 110 | | | |

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 06/10/11

Project: Marsland Baseline Samples

Work Order: C11040326

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|------------------------------|-------------------------------|--------|-------|------|------|-----------|------------|-----|----------|-------------------------------------|
| Method: A4500-F C | | | | | | | | | | Batch: R144774 |
| Sample ID: MBLK | Method Blank | | | | | | | | | |
| Fluoride | | ND | mg/L | 0.10 | | | | | | Run: MANTECH_110413A 04/13/11 08:54 |
| Sample ID: LCS | Laboratory Control Sample | | | | | | | | | |
| Fluoride | | 0.980 | mg/L | 0.10 | 96 | 90 | 110 | | | Run: MANTECH_110413A 04/13/11 09:01 |
| Sample ID: C11040326-004BMS | Sample Matrix Spike | | | | | | | | | |
| Fluoride | | 1.47 | mg/L | 0.10 | 100 | 80 | 120 | | | Run: MANTECH_110413A 04/13/11 10:18 |
| Sample ID: C11040326-004BMSD | Sample Matrix Spike Duplicate | | | | | | | | | |
| Fluoride | | 1.47 | mg/L | 0.10 | 100 | 80 | 120 | 0.0 | 10 | Run: MANTECH_110413A 04/13/11 10:21 |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples

Report Date: 06/10/11
Work Order: C11040326

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|---|-------|--------------------------|------|-----------|-------------------------------------|----------------|----------|----------------|
| Method: A4500-H B | | | | | | | Analytical Run: ORION555A-2_110411A | | | |
| Sample ID: ICV1_110411_1 | | Initial Calibration Verification Standard | | | | | | | | 04/11/11 14:16 |
| pH | | 6.94 | s.u. | 0.010 | 101 | 98 | 102 | | | |
| Method: A4500-H B | | | | | | | Batch: 110411_1_PH-W_555A-2 | | | |
| Sample ID: C11040326-003BDUP | | Sample Duplicate | | Run: ORION555A-2_110411A | | | | 04/11/11 14:51 | | |
| pH | | 10.0 | s.u. | 0.010 | | | | 0.0 | 3 | |
| Method: A4500-H B | | | | | | | Analytical Run: ORION555A-2_110412A | | | |
| Sample ID: ICV1_110412_1 | | Initial Calibration Verification Standard | | | | | | | | 04/12/11 13:01 |
| pH | | 6.93 | s.u. | 0.010 | 101 | 98 | 102 | | | |
| Method: A4500-H B | | | | | | | Batch: 110412_1_PH-W_555A-2 | | | |
| Sample ID: C11040355-002ADUP | | Sample Duplicate | | Run: ORION555A-2_110412A | | | | 04/12/11 13:23 | | |
| pH | | 8.60 | s.u. | 0.010 | | | | 0.1 | 3 | |

Qualifiers:

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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 06/10/11

Project: Marsland Baseline Samples

Work Order: C11040326

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------------------------------|--------|-------|------------------------|------|-----------|----------------|-----|----------|----------------|
| Method: A4500-NH3 G | | | | | | | | | | Batch: R144780 |
| Sample ID: MBLK-5 | Method Blank | | | Run: TECHNICON_110413A | | | 04/13/11 12:38 | | | |
| Nitrogen, Ammonia as N | | ND | mg/L | 0.050 | | | | | | |
| Sample ID: LCS-6 | Laboratory Control Sample | | | Run: TECHNICON_110413A | | | 04/13/11 12:40 | | | |
| Nitrogen, Ammonia as N | | 2.01 | mg/L | 0.050 | 99 | 90 | 110 | | | |
| Sample ID: C11040326-003GMS | Sample Matrix Spike | | | Run: TECHNICON_110413A | | | 04/13/11 12:52 | | | |
| Nitrogen, Ammonia as N | | 1.84 | mg/L | 0.050 | 92 | 80 | 120 | | | |
| Sample ID: C11040326-003GMSD | Sample Matrix Spike Duplicate | | | Run: TECHNICON_110413A | | | 04/13/11 12:54 | | | |
| Nitrogen, Ammonia as N | | 1.86 | mg/L | 0.050 | 93 | 80 | 120 | 1.1 | 10 | |

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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples

Report Date: 06/10/11
Work Order: C11040326

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|-------|------|-----------|---------------------|-----|----------|----------------|
| Method: E200.7 | | | | | | | | | | Batch: R145096 |
| Sample ID: MB-110422A | 7 | Method Blank | | | | | Run: ICP2-C_110422A | | | 04/22/11 12:52 |
| Boron | | ND | mg/L | 0.10 | | | | | | |
| Calcium | | ND | mg/L | 1.0 | | | | | | |
| Iron | | ND | mg/L | 0.030 | | | | | | |
| Magnesium | | ND | mg/L | 1.0 | | | | | | |
| Potassium | | ND | mg/L | 1.0 | | | | | | |
| Silicon | | ND | mg/L | 0.10 | | | | | | |
| Sodium | | ND | mg/L | 1.0 | | | | | | |
| Sample ID: LFB-110422A | 7 | Laboratory Fortified Blank | | | | | Run: ICP2-C_110422A | | | 04/22/11 12:56 |
| Boron | | 0.886 | mg/L | 0.10 | 89 | 85 | 115 | | | |
| Calcium | | 45.8 | mg/L | 0.50 | 92 | 85 | 115 | | | |
| Iron | | 0.916 | mg/L | 0.030 | 92 | 85 | 115 | | | |
| Magnesium | | 46.3 | mg/L | 0.50 | 93 | 85 | 115 | | | |
| Potassium | | 46.0 | mg/L | 3.3 | 92 | 85 | 115 | | | |
| Silicon | | 0.455 | mg/L | 0.10 | 91 | 85 | 115 | | | |
| Sodium | | 44.4 | mg/L | 0.50 | 89 | 85 | 115 | | | |
| Sample ID: C11040326-001CMS2 | 7 | Sample Matrix Spike | | | | | Run: ICP2-C_110422A | | | 04/22/11 14:01 |
| Boron | | 1.94 | mg/L | 0.10 | 92 | 70 | 130 | | | |
| Calcium | | 126 | mg/L | 1.0 | 89 | 70 | 130 | | | |
| Iron | | 1.92 | mg/L | 0.030 | 92 | 70 | 130 | | | |
| Magnesium | | 101 | mg/L | 1.0 | 91 | 70 | 130 | | | |
| Potassium | | 86.8 | mg/L | 1.0 | 81 | 70 | 130 | | | |
| Silicon | | 34.2 | mg/L | 0.10 | | 70 | 130 | | | A |
| Sodium | | 115 | mg/L | 1.0 | 94 | 70 | 130 | | | |
| Sample ID: C11040326-001CMSD | 7 | Sample Matrix Spike Duplicate | | | | | Run: ICP2-C_110422A | | | 04/22/11 14:05 |
| Boron | | 1.97 | mg/L | 0.10 | 93 | 70 | 130 | 1.2 | 20 | |
| Calcium | | 124 | mg/L | 1.0 | 88 | 70 | 130 | 1.6 | 20 | |
| Iron | | 1.90 | mg/L | 0.030 | 91 | 70 | 130 | 1.0 | 20 | |
| Magnesium | | 98.3 | mg/L | 1.0 | 88 | 70 | 130 | 2.9 | 20 | |
| Potassium | | 85.3 | mg/L | 1.0 | 79 | 70 | 130 | 1.7 | 20 | |
| Silicon | | 34.3 | mg/L | 0.10 | | 70 | 130 | 0.2 | 20 | A |
| Sodium | | 114 | mg/L | 1.0 | 93 | 70 | 130 | 0.5 | 20 | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 06/10/11

Project: Marsland Baseline Samples

Work Order: C11040326

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------------------------------|---------|-------|-----------------------|------|-----------|------------|-----|----------------|----------------|
| Method: E200.8 | | | | | | | | | | Batch: R144792 |
| Sample ID: LRB | 15 Method Blank | | | Run: ICPMS2-C_110413A | | | | | 04/13/11 11:57 | |
| Aluminum | | ND | mg/L | 0.10 | | | | | | |
| Arsenic | | ND | mg/L | 0.0010 | | | | | | |
| Barium | | ND | mg/L | 0.10 | | | | | | |
| Cadmium | | ND | mg/L | 0.0050 | | | | | | |
| Chromium | | ND | mg/L | 0.050 | | | | | | |
| Copper | | ND | mg/L | 0.010 | | | | | | |
| Lead | | ND | mg/L | 0.0010 | | | | | | |
| Manganese | | ND | mg/L | 0.010 | | | | | | |
| Mercury | | ND | mg/L | 0.0010 | | | | | | |
| Molybdenum | | ND | mg/L | 0.10 | | | | | | |
| Nickel | | ND | mg/L | 0.050 | | | | | | |
| Selenium | | ND | mg/L | 0.0010 | | | | | | |
| Uranium | | ND | mg/L | 0.00030 | | | | | | |
| Vanadium | | ND | mg/L | 0.10 | | | | | | |
| Zinc | | ND | mg/L | 0.010 | | | | | | |
| Sample ID: LFB | 15 Laboratory Fortified Blank | | | Run: ICPMS2-C_110413A | | | | | 04/13/11 12:03 | |
| Aluminum | | 0.0509 | mg/L | 0.0010 | 102 | 85 | 115 | | | |
| Arsenic | | 0.0522 | mg/L | 0.0010 | 104 | 85 | 115 | | | |
| Barium | | 0.0523 | mg/L | 0.0010 | 105 | 85 | 115 | | | |
| Cadmium | | 0.0523 | mg/L | 0.0010 | 105 | 85 | 115 | | | |
| Chromium | | 0.0523 | mg/L | 0.0010 | 104 | 85 | 115 | | | |
| Copper | | 0.0524 | mg/L | 0.0010 | 105 | 85 | 115 | | | |
| Lead | | 0.0520 | mg/L | 0.0010 | 104 | 85 | 115 | | | |
| Manganese | | 0.0518 | mg/L | 0.0010 | 104 | 85 | 115 | | | |
| Mercury | | 0.00521 | mg/L | 0.0010 | 104 | 85 | 115 | | | |
| Molybdenum | | 0.0523 | mg/L | 0.0010 | 105 | 85 | 115 | | | |
| Nickel | | 0.0519 | mg/L | 0.0010 | 104 | 85 | 115 | | | |
| Selenium | | 0.0525 | mg/L | 0.0010 | 105 | 85 | 115 | | | |
| Uranium | | 0.0520 | mg/L | 0.00030 | 104 | 85 | 115 | | | |
| Vanadium | | 0.0523 | mg/L | 0.0010 | 104 | 85 | 115 | | | |
| Zinc | | 0.0558 | mg/L | 0.0010 | 112 | 85 | 115 | | | |
| Sample ID: C11040326-001CMS4 | 15 Sample Matrix Spike | | | Run: ICPMS2-C_110413A | | | | | 04/13/11 17:02 | |
| Aluminum | | 0.0477 | mg/L | 0.0010 | 95 | 70 | 130 | | | |
| Arsenic | | 0.0545 | mg/L | 0.0010 | 102 | 70 | 130 | | | |
| Barium | | 0.181 | mg/L | 0.10 | 104 | 70 | 130 | | | |
| Cadmium | | 0.0516 | mg/L | 0.010 | 103 | 70 | 130 | | | |
| Chromium | | 0.0514 | mg/L | 0.050 | 101 | 70 | 130 | | | |
| Copper | | 0.0476 | mg/L | 0.010 | 95 | 70 | 130 | | | |
| Lead | | 0.0510 | mg/L | 0.050 | 102 | 70 | 130 | | | |
| Manganese | | 0.0559 | mg/L | 0.010 | 103 | 70 | 130 | | | |
| Mercury | | 0.00520 | mg/L | 0.0010 | 104 | 70 | 130 | | | |
| Molybdenum | | 0.0484 | mg/L | 0.0010 | 95 | 70 | 130 | | | |
| Nickel | | 0.0479 | mg/L | 0.0010 | 96 | 70 | 130 | | | |

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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 06/10/11

Project: Marsland Baseline Samples

Work Order: C11040326

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|---------|------|-----------|-----------------------|-----|----------|----------------|
| Method: E200.8 | | | | | | | | | | Batch: R144792 |
| Sample ID: C11040326-001CMS4 | 15 | Sample Matrix Spike | | | | | Run: ICPMS2-C_110413A | | | 04/13/11 17:02 |
| Selenium | | 0.0587 | mg/L | 0.0010 | 115 | 70 | 130 | | | |
| Uranium | | 0.0606 | mg/L | 0.00030 | 107 | 70 | 130 | | | |
| Vanadium | | 0.0600 | mg/L | 0.0010 | 101 | 70 | 130 | | | |
| Zinc | | 0.110 | mg/L | 0.010 | 106 | 70 | 130 | | | |
| Sample ID: C11040326-001CMSD | 15 | Sample Matrix Spike Duplicate | | | | | Run: ICPMS2-C_110413A | | | 04/13/11 17:08 |
| Aluminum | | 0.0462 | mg/L | 0.0010 | 92 | 70 | 130 | 3.2 | 20 | |
| Arsenic | | 0.0538 | mg/L | 0.0010 | 100 | 70 | 130 | 1.2 | 20 | |
| Barium | | 0.179 | mg/L | 0.10 | 101 | 70 | 130 | 0.8 | 20 | |
| Cadmium | | 0.0510 | mg/L | 0.010 | 102 | 70 | 130 | 1.1 | 20 | |
| Chromium | | 0.0502 | mg/L | 0.050 | 99 | 70 | 130 | 2.3 | 20 | |
| Copper | | 0.0471 | mg/L | 0.010 | 94 | 70 | 130 | 1.1 | 20 | |
| Lead | | 0.0502 | mg/L | 0.050 | 100 | 70 | 130 | 1.5 | 20 | |
| Manganese | | 0.0547 | mg/L | 0.010 | 101 | 70 | 130 | 2.2 | 20 | |
| Mercury | | 0.00515 | mg/L | 0.0010 | 103 | 70 | 130 | 0.9 | 20 | |
| Molybdenum | | 0.0481 | mg/L | 0.0010 | 94 | 70 | 130 | 0.6 | 20 | |
| Nickel | | 0.0473 | mg/L | 0.0010 | 95 | 70 | 130 | 1.3 | 20 | |
| Selenium | | 0.0575 | mg/L | 0.0010 | 113 | 70 | 130 | 2.1 | 20 | |
| Uranium | | 0.0600 | mg/L | 0.00030 | 106 | 70 | 130 | 1.0 | 20 | |
| Vanadium | | 0.0592 | mg/L | 0.0010 | 99 | 70 | 130 | 1.4 | 20 | |
| Zinc | | 0.105 | mg/L | 0.010 | 97 | 70 | 130 | 4.3 | 20 | |
| Method: E200.8 | | | | | | | | | | Batch: 29614 |
| Sample ID: MB-29614 | | Method Blank | | | | | Run: ICPMS4-C_110421A | | | 04/21/11 13:09 |
| Uranium | | ND | mg/L | 0.00030 | | | | | | |
| Sample ID: LCS2-29614 | | Laboratory Control Sample | | | | | Run: ICPMS4-C_110421A | | | 04/21/11 13:17 |
| Uranium | | 0.104 | mg/L | 0.00030 | 104 | 85 | 115 | | | |
| Sample ID: C11040476-010HMS | | Sample Matrix Spike | | | | | Run: ICPMS4-C_110421A | | | 04/21/11 15:53 |
| Uranium | | 0.0556 | mg/L | 0.00030 | 111 | 70 | 130 | | | |
| Sample ID: C11040476-010HMSD | | Sample Matrix Spike Duplicate | | | | | Run: ICPMS4-C_110421A | | | 04/21/11 15:57 |
| Uranium | | 0.0556 | mg/L | 0.00030 | 111 | 70 | 130 | 0.0 | 20 | |

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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 06/10/11

Project: Marsland Baseline Samples

Work Order: C11040326

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|------------------------------|-------|---|-------|-----|------|-----------|------------|-------------------------------|----------|----------------|
| Method: E300.0 | | | | | | | | Analytical Run: IC2-C_110412A | | |
| Sample ID: ICV | 2 | Initial Calibration Verification Standard | | | | | | | | 04/12/11 14:25 |
| Chloride | | 10.1 | mg/L | 1.0 | 101 | 90 | 110 | | | |
| Sulfate | | 41.0 | mg/L | 1.0 | 102 | 90 | 110 | | | |
| Method: E300.0 | | | | | | | | Batch: R144811 | | |
| Sample ID: MBLK | 2 | Method Blank | | | | | | | | 04/12/11 14:41 |
| Chloride | | ND | mg/L | 1.0 | | | | | | |
| Sulfate | | ND | mg/L | 1.0 | | | | | | |
| Sample ID: LFB | 2 | Laboratory Fortified Blank | | | | | | | | 04/12/11 14:56 |
| Chloride | | 12.4 | mg/L | 1.0 | 99 | 90 | 110 | | | |
| Sulfate | | 50.6 | mg/L | 1.0 | 101 | 90 | 110 | | | |
| Sample ID: C11040330-003AMS | 2 | Sample Matrix Spike | | | | | | | | 04/13/11 22:33 |
| Chloride | | 34.4 | mg/L | 1.0 | 103 | 80 | 120 | | | |
| Sulfate | | 90.1 | mg/L | 1.6 | 103 | 80 | 120 | | | |
| Sample ID: C11040330-003AMSD | 2 | Sample Matrix Spike Duplicate | | | | | | | | 04/13/11 22:48 |
| Chloride | | 34.4 | mg/L | 1.0 | 103 | 80 | 120 | 0.1 | 10 | |
| Sulfate | | 90.5 | mg/L | 1.6 | 103 | 80 | 120 | 0.5 | 10 | |

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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples

Report Date: 06/10/11
Work Order: C11040326

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|------|------|-----------|------------------------|-----|----------|----------------|
| Method: E353.2 | | | | | | | | | | Batch: R144840 |
| Sample ID: MBLK-1 | | Method Blank | | | | | Run: TECHNICON_110414B | | | 04/14/11 11:38 |
| Nitrogen, Nitrate+Nitrite as N | | ND | mg/L | 0.10 | | | | | | |
| Sample ID: LCS-2 | | Laboratory Control Sample | | | | | Run: TECHNICON_110414B | | | 04/14/11 11:41 |
| Nitrogen, Nitrate+Nitrite as N | | 2.65 | mg/L | 0.10 | 106 | 90 | 110 | | | |
| Sample ID: C11040326-004GMS | | Sample Matrix Spike | | | | | Run: TECHNICON_110414B | | | 04/14/11 14:34 |
| Nitrogen, Nitrate+Nitrite as N | | 3.35 | mg/L | 0.10 | 106 | 90 | 110 | | | |
| Sample ID: C11040326-004GMSD | | Sample Matrix Spike Duplicate | | | | | Run: TECHNICON_110414B | | | 04/14/11 14:36 |
| Nitrogen, Nitrate+Nitrite as N | | 3.36 | mg/L | 0.10 | 106 | 90 | 110 | 0.3 | 10 | |

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QA/QC Summary Report

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Client: Crow Butte Resources
Project: Marsland Baseline Samples

Report Date: 06/10/11
Work Order: C11040326

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------------------------------|--------|-------|------|------|-----------------------------|------------|----------------|----------|-------------------|
| Method: E903.0 | | | | | | | | | | Batch: RA226-5305 |
| Sample ID: C11040476-001DMS | Sample Matrix Spike | | | | | Run: BERTHOLD 770-1_110422A | | 05/02/11 12:53 | | |
| Radium 226 | 23 | | pCi/L | 99 | | 70 | 130 | | | |
| Sample ID: C11040476-001DMSD | Sample Matrix Spike Duplicate | | | | | Run: BERTHOLD 770-1_110422A | | 05/02/11 12:53 | | |
| Radium 226 | 22 | | pCi/L | 97 | | 70 | 130 | 1.7 | 20.7 | |
| Sample ID: C11040601-001EDUP | 3 Sample Duplicate | | | | | Run: BERTHOLD 770-1_110422A | | 05/02/11 14:28 | | |
| Radium 226 | 24 | | pCi/L | | | | | 4.8 | 17.1 | |
| Radium 226 precision (\pm) | 0.86 | | pCi/L | | | | | | | |
| Radium 226 MDC | 0.11 | | pCi/L | | | | | | | |
| Sample ID: MB-RA226-5305 | 3 Method Blank | | | | | Run: BERTHOLD 770-1_110422A | | 05/02/11 14:28 | | |
| Radium 226 | ND | | pCi/L | 0.10 | | | | | | U |
| Radium 226 precision (\pm) | 0.050 | | pCi/L | | | | | | | |
| Radium 226 MDC | 0.12 | | pCi/L | | | | | | | |
| Sample ID: LCS-RA226-5305 | Laboratory Control Sample | | | | | Run: BERTHOLD 770-1_110422A | | 05/02/11 14:28 | | |
| Radium 226 | 6.0 | | pCi/L | 97 | | 85 | 115 | | | |
| Method: E903.0 | | | | | | | | | | Batch: 29614 |
| Sample ID: C11040326-005HMS | Sample Matrix Spike | | | | | Run: BERTHOLD 770-2_110422A | | 05/02/11 21:53 | | |
| Radium 226 | 12 | | pCi/L | 109 | | 70 | 130 | | | |
| Sample ID: C11040326-005HMSD | Sample Matrix Spike Duplicate | | | | | Run: BERTHOLD 770-2_110422A | | 05/02/11 21:53 | | |
| Radium 226 | 12 | | pCi/L | 113 | | 70 | 130 | 0.8 | 24.5 | |
| Sample ID: LCS-29614 | Laboratory Control Sample | | | | | Run: BERTHOLD 770-2_110422A | | 05/03/11 02:01 | | |
| Radium 226 | 13 | | pCi/L | 111 | | 85 | 115 | | | |
| Sample ID: MB-29614 | 3 Method Blank | | | | | Run: BERTHOLD 770-2_110422A | | 05/03/11 02:01 | | |
| Radium 226 | ND | | pCi/L | 0.10 | | | | | | U |
| Radium 226 precision (\pm) | 0.096 | | pCi/L | | | | | | | |
| Radium 226 MDC | 0.24 | | pCi/L | | | | | | | |

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 06/10/11

Project: Marsland Baseline Samples

Work Order: C11040326

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|--------------------------------------|-------|-------------------------------|-------|------|------|------------------------|------------|-----|----------|-----------------------|
| Method: E908.0 | | | | | | | | | | Batch: R145601 |
| Sample ID: C11040476-010HMS | | Sample Matrix Spike | | | | Run: EGG-ORTEC_110502A | | | | 05/05/11 14:45 |
| Thorium 230 | | 9.0 | pCi/L | 102 | | 70 | 130 | | | |
| Sample ID: C11040476-010HMSD | | Sample Matrix Spike Duplicate | | | | Run: EGG-ORTEC_110502A | | | | 05/05/11 14:45 |
| Thorium 230 | | 10 | pCi/L | 114 | | 70 | 130 | 12 | | 47.8 |
| Sample ID: LCS-29614 | | Laboratory Control Sample | | | | Run: EGG-ORTEC_110502A | | | | 05/05/11 14:45 |
| Thorium 230 | | 11 | pCi/L | 119 | | 70 | 130 | | | |
| Sample ID: MB-29614 | 3 | Method Blank | | | | Run: EGG-ORTEC_110502A | | | | 05/05/11 14:45 |
| Thorium 230 | | ND | pCi/L | 0.10 | | | | | | U |
| Thorium 230 precision (±) | | 0.17 | pCi/L | | | | | | | |
| Thorium 230 MDC | | 0.28 | pCi/L | | | | | | | |
| Method: E908.0 | | | | | | | | | | Batch: RA-TH-ISO-1381 |
| Sample ID: LCS-RA-TH-ISO-1381 | | Laboratory Control Sample | | | | Run: EGG-ORTEC_110505A | | | | 05/09/11 14:40 |
| Thorium 230 | | 5.6 | pCi/L | 100 | | 70 | 130 | | | |
| Sample ID: C11040476-009DMS | | Sample Matrix Spike | | | | Run: EGG-ORTEC_110505A | | | | 05/10/11 13:01 |
| Thorium 230 | | 12 | pCi/L | 97 | | 70 | 130 | | | |
| Sample ID: C11040476-009DMSD | | Sample Matrix Spike Duplicate | | | | Run: EGG-ORTEC_110505A | | | | 05/10/11 13:01 |
| Thorium 230 | | 11 | pCi/L | 87 | | 70 | 130 | 8.1 | | 37.6 |
| Sample ID: MB-RA-TH-ISO-1381 | 3 | Method Blank | | | | Run: EGG-ORTEC_110505A | | | | 05/10/11 13:01 |
| Thorium 230 | | ND | pCi/L | 0.10 | | | | | | U |
| Thorium 230 precision (±) | | 0.087 | pCi/L | | | | | | | |
| Thorium 230 MDC | | 0.19 | pCi/L | | | | | | | |

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 06/10/11

Project: Marsland Baseline Samples

Work Order: C11040326

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|------------------------------|-------|-------------------------------|-------|------|------|-----------------|------------|----------------------|----------|----------------|
| Method: E909.0 | | | | | | | | Batch: T_PB-210-0092 | | |
| Sample ID: C11040326-001FMSD | | Sample Matrix Spike Duplicate | | | | Run: SUB-T40386 | | | | 05/16/11 09:00 |
| Lead 210 | | 90 | pCi/L | | 84 | 70 | 130 | 9.5 | 15.6 | |
| Sample ID: MB-PB-210-0092 | 3 | Method Blank | | | | Run: SUB-T40386 | | | | 05/14/11 15:22 |
| Lead 210 | | ND | pCi/L | 0.60 | | | | | | U |
| Lead 210 precision (±) | | 1.00 | pCi/L | | | | | | | |
| Lead 210 MDC | | 1.7 | pCi/L | | | | | | | |
| Sample ID: LCS-PB-210-0092 | | Laboratory Control Sample | | | | Run: SUB-T40386 | | | | 05/14/11 17:33 |
| Lead 210 | | 67 | pCi/L | | 94 | 70 | 130 | | | |
| Sample ID: C11040326-001FMS | | Sample Matrix Spike | | | | Run: SUB-T40386 | | | | 05/16/11 06:48 |
| Lead 210 | | 99 | pCi/L | | 92 | 70 | 130 | | | |
| Method: E909.0 | | | | | | | | Batch: T_13823 | | |
| Sample ID: C11040326-001HMSD | | Sample Matrix Spike Duplicate | | | | Run: SUB-T40682 | | | | 05/22/11 20:05 |
| Lead 210 | | 81 | pCi/L | | 86 | 70 | 130 | 6.3 | 16 | |
| Sample ID: MB-13823 | 3 | Method Blank | | | | Run: SUB-T40682 | | | | 05/22/11 11:19 |
| Lead 210 | | 1.3 | pCi/L | 0.60 | | | | | | U |
| Lead 210 precision (±) | | 5.6 | pCi/L | | | | | | | |
| Lead 210 MDC | | 9.4 | pCi/L | | | | | | | |
| Sample ID: LCS-13823 | | Laboratory Control Sample | | | | Run: SUB-T40682 | | | | 05/22/11 13:31 |
| Lead 210 | | 260 | pCi/L | | 73 | 70 | 130 | | | |
| Sample ID: C11040326-001HMS | | Sample Matrix Spike | | | | Run: SUB-T40682 | | | | 05/22/11 17:54 |
| Lead 210 | | 86 | pCi/L | | 93 | 70 | 130 | | | |

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 06/10/11

Project: Marsland Baseline Samples

Work Order: C11040326

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------------------------------|--------------|-------|------|------|------------------------|------------|-----|----------|-------------------|
| Method: E912.0 | | | | | | | | | | Batch: 29614 |
| Sample ID: C11040476-010HMS | Sample Matrix Spike | | | | | Run: EGG-ORTEC_110503D | | | | 05/06/11 08:47 |
| Polonium 210 | | 6.3 | pCi/L | 117 | | 70 | 130 | | | |
| Sample ID: C11040476-010HMSD | Sample Matrix Spike Duplicate | | | | | Run: EGG-ORTEC_110503D | | | | 05/06/11 08:47 |
| Polonium 210 | | 5.6 | pCi/L | 103 | | 70 | 130 | 13 | | 62.3 |
| Sample ID: LCS-29614 | Laboratory Control Sample | | | | | Run: EGG-ORTEC_110503D | | | | 05/06/11 08:47 |
| Polonium 210 | | 28 | pCi/L | 91 | | 70 | 130 | | | |
| Sample ID: MB-29614 | 3 | Method Blank | | | | Run: EGG-ORTEC_110503D | | | | 05/06/11 11:02 |
| Polonium 210 | | 0.23 | pCi/L | 0.20 | | | | | | U |
| Polonium 210 precision (\pm) | | 1.4 | pCi/L | | | | | | | |
| Polonium 210 MDC | | 3.0 | pCi/L | | | | | | | |
| Method: E912.0 | | | | | | | | | | Batch: PO210-0365 |
| Sample ID: C11040296-001EMS | Sample Matrix Spike | | | | | Run: EGG-ORTEC_110507A | | | | 05/09/11 09:07 |
| Polonium 210 | | 12 | pCi/L | 89 | | 70 | 130 | | | |
| Sample ID: C11040296-001EMSD | Sample Matrix Spike Duplicate | | | | | Run: EGG-ORTEC_110507A | | | | 05/09/11 09:07 |
| Polonium 210 | | 17 | pCi/L | 127 | | 70 | 130 | 35 | | 67.6 |
| Sample ID: MB-PO210-0365 | 3 | Method Blank | | | | Run: EGG-ORTEC_110507A | | | | 05/09/11 11:17 |
| Polonium 210 | | ND | pCi/L | 0.20 | | | | | | U |
| Polonium 210 precision (\pm) | | 0.23 | pCi/L | | | | | | | |
| Polonium 210 MDC | | 0.58 | pCi/L | | | | | | | |
| Sample ID: LCS-PO210-0365 | Laboratory Control Sample | | | | | Run: EGG-ORTEC_110507A | | | | 05/09/11 11:17 |
| Polonium 210 | | 6.4 | pCi/L | 101 | | 70 | 130 | | | |

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



Workorder Receipt Checklist



C11040326

Crow Butte Resources

Login completed by: Edith McPike

Date Received: 4/11/2011

Reviewed by: BL2000\cwagner

Received by: em

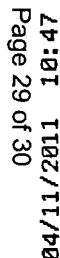
Reviewed Date: 4/13/2011

Carrier Ground
name:

| | | | |
|---|---|-----------------------------|--|
| Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Container/Temp Blank temperature: | 9.8°C On Ice | | |
| Water - VOA vials have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | No VOA vials submitted <input checked="" type="checkbox"/> |
| Water - pH acceptable upon receipt? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Applicable <input type="checkbox"/> |

Contact and Corrective Action Comments:

None



Page 1 of 1

PLEASE PRINT- Provide as much information as possible.

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report. Visit our web site at www.enrelab.com for additional information, downloadable worksheets, forms and literature.

CROW BUTTE RESOURCES, INC.
CROW BUTTE PROJECTNO₂⁻DATE: 4/6/11

ANALYST: _____

STANDARD CURVE DATA

| NO ₂ ⁻ | BL | 0.01 | 0.05 | 0.1 | | | |
|------------------------------|----|------|------|------|--|--|--|
| Abs | 0 | .036 | .172 | .343 | | | |
| Abs | | | | | | | |

| SAMPLE # | VOLUME | Df | Abs | NO ₂ ⁻ mg/L |
|--------------|--------|----|-------|-----------------------------------|
| 1 705 | 10 ml | 1 | .003 | <0.01 |
| 2 727 | 10 ml | 1 | .001 | <0.01 |
| 3 788 | 10 ml | 1 | -.006 | <0.01 |
| 4 CPW 2010-1 | 10 ml | 1 | .006 | <0.01 |
| 5 BOW-1 | 10 ml | 1 | .079 | 0.02 |
| Dup | | | | |
| 6 705 Dup | 10 ml | 1 | .002 | <0.01 |
| 7 788 Dup | 10 ml | 1 | .001 | <0.01 |
| 8 | | | | |
| 9 | | | | |
| 10 | | | | |
| Dup | | | | |
| 11 | | | | |
| 12 | | | | |
| 13 | | | | |
| 14 | | | | |
| 15 | | | | |
| Dup | | | | |
| 16 | | | | |
| 17 | | | | |
| 18 | | | | |
| 19 | | | | |
| 20 | | | | |
| Dup | | | | |
| 21 | | | | |
| 22 | | | | |
| 23 | | | | |
| 24 | | | | |
| 25 | | | | |
| Dup | | | | |

ANALYTICAL SUMMARY REPORT

June 13, 2011

Crow Butte Resources
86 Crow Butte Rd
Crawford, NE 69339

Workorder No.: C11040476 Quote ID: C1125 - Crow Butte Uranium

Project Name: Marsland Baseline Samples

Energy Laboratories, Inc. Casper WY received the following 10 samples for Crow Butte Resources on 4/14/2011 for analysis.

| Sample ID | Client Sample ID | Collect Date | Receive Date | Matrix | Test |
|---------------|------------------|----------------|--------------|---------|--|
| C11040476-001 | Monitor 1 | 04/11/11 00:00 | 04/14/11 | Aqueous | Metals by ICP/ICPMS, Dissolved Alkalinity QA Calculations Conductivity Sample Filtering Fluoride E300.0 Anions Uranium, Suspended Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Digestion, Total Metals Lead 210, Dissolved Lead 210, Suspended Polonium 210, Dissolved Polonium 210, Suspended Radium 226, Dissolved Radium 226, Suspended Thorium, Isotopic Thorium, Suspended Isotopic Solids, Total Dissolved |
| C11040476-002 | Monitor 2 | 04/11/11 00:00 | 04/14/11 | Aqueous | Same As Above |
| C11040476-003 | Monitor 4A | 04/11/11 00:00 | 04/14/11 | Aqueous | Same As Above |
| C11040476-004 | Monitor 5 | 04/11/11 00:00 | 04/14/11 | Aqueous | Same As Above |
| C11040476-005 | Monitor 6 | 04/11/11 00:00 | 04/14/11 | Aqueous | Same As Above |
| C11040476-006 | Monitor 7 | 04/11/11 00:00 | 04/14/11 | Aqueous | Same As Above |
| C11040476-007 | Monitor 8 | 04/11/11 00:00 | 04/14/11 | Aqueous | Same As Above |
| C11040476-008 | Monitor 9 | 04/11/11 00:00 | 04/14/11 | Aqueous | Same As Above |
| C11040476-009 | Monitor 10 | 04/11/11 00:00 | 04/14/11 | Aqueous | Same As Above |
| C11040476-010 | Monitor 11 | 04/11/11 00:00 | 04/14/11 | Aqueous | Same As Above |

This report was prepared by Energy Laboratories, Inc., 2393 Salt Creek Hwy., Casper, WY 82601. Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

The results as reported relate only to the item(s) submitted for testing.

If you have any questions regarding these test results, please call.

Report Approved By:



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CLIENT: Crow Butte Resources
Project: Marsland Baseline Samples
Sample Delivery Group: C11040476

Report Date: 06/13/11

CASE NARRATIVE

RADIOCHEMISTRY ANALYSIS

Per client request, results less than MDC (or precision if no MDC), are reported as <MDC (or <precision). Actual instrument results are available by request.

BRANCH LABORATORY SUBCONTRACT ANALYSIS

Tests associated with analyst identified as ELI-CS were subcontracted to Energy Laboratories, 415 Graham Rd., College Station, TX, EPA Number TX01520.

PREP COMMENTS

The prep hold time for the Filtration of metals was exceeded by up to 2.29 days.

ORIGINAL SAMPLE SUBMITTAL(S)

All original sample submittals have been returned with the data package.

SAMPLE TEMPERATURE COMPLIANCE: 4°C (±2°C)

Temperature of samples received may not be considered properly preserved by accepted standards. Samples that are hand delivered immediately after collection shall be considered acceptable if there is evidence that the chilling process has begun.

GROSS ALPHA ANALYSIS

Method 900.0 for gross alpha and gross beta is intended as a drinking water method for low TDS waters. Data provided by this method for non potable waters should be viewed as inconsistent.

SOIL/SOLID SAMPLES

All samples reported on an as received basis unless otherwise indicated.

SUBCONTRACTING ANALYSIS

Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.

BRANCH LABORATORY LOCATIONS

eli-b - Energy Laboratories, Inc. - Billings, MT
eli-g - Energy Laboratories, Inc. - Gillette, WY
eli-h - Energy Laboratories, Inc. - Helena, MT
eli-r - Energy Laboratories, Inc. - Rapid City, SD
eli-t - Energy Laboratories, Inc. - College Station, TX

CERTIFICATIONS:

USEPA: WY00002; FL-DOH NELAC: E87641; California: 02118CA
Oregon: WY200001; Utah: 3072350515; Virginia: 00057; Washington: C1903

ISO 17025 DISCLAIMER:

The results of this Analytical Report relate only to the items submitted for analysis.

ENERGY LABORATORIES, INC. - CASPER, WY certifies that certain method selections contained in this report meet requirements as set forth by the above accrediting authorities. Some results requested by the client may not be covered under these certifications. All analysis data to be submitted for regulatory enforcement should be certified in the sample state of origin. Please verify ELI's certification coverage by visiting www.energylab.com

ELI appreciates the opportunity to provide you with this analytical service. For additional information and services visit our web page www.energylab.com.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11040476-001
Client Sample ID: Monitor 1

Report Date: 06/13/11
Collection Date: 04/11/11
Date Received: 04/14/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 405 | mg/L | | 1 | | A2320 B | 04/15/11 15:33 / jba |
| Carbonate as CO ₃ | 8 | mg/L | | 1 | | A2320 B | 04/15/11 15:33 / jba |
| Bicarbonate as HCO ₃ | 478 | mg/L | | 1 | | A2320 B | 04/15/11 15:33 / jba |
| Calcium | 5 | mg/L | | 1 | | E200.7 | 04/25/11 16:07 / cp |
| Chloride | 182 | mg/L | | 1 | | E300.0 | 04/20/11 02:19 / ljl |
| Fluoride | 0.6 | mg/L | | 0.1 | | A4500-F C | 04/18/11 09:14 / jba |
| Magnesium | 1 | mg/L | | 1 | | E200.7 | 04/25/11 16:07 / cp |
| Nitrogen, Ammonia as N | 0.18 | mg/L | | 0.05 | | A4500-NH ₃ G | 04/21/11 16:30 / dc |
| Nitrogen, Nitrate+Nitrite as N | ND | mg/L | | 0.1 | | E353.2 | 04/15/11 16:24 / dc |
| Potassium | 8 | mg/L | | 1 | | E200.7 | 04/25/11 16:07 / cp |
| Silica | 12.9 | mg/L | | 0.2 | | E200.8 | 04/16/11 14:30 / sml |
| Sodium | 340 | mg/L | | 1 | | E200.7 | 04/25/11 16:07 / cp |
| Sulfate | 59 | mg/L | D | 4 | | E300.0 | 04/20/11 02:19 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 1400 | umhos/cm | | 1 | | A2510 B | 04/15/11 11:31 / lr |
| pH | 8.28 | s.u. | | 0.01 | | A4500-H B | 04/15/11 11:31 / lr |
| Solids, Total Dissolved TDS @ 180 C | 837 | mg/L | | 10 | | A2540 C | 04/15/11 16:31 / lr |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | 0.2 | mg/L | | 0.1 | | E200.8 | 04/16/11 14:30 / sml |
| Arsenic | 0.002 | mg/L | | 0.001 | | E200.8 | 04/16/11 14:30 / sml |
| Barium | ND | mg/L | | 0.1 | | E200.8 | 04/16/11 14:30 / sml |
| Boron | 1.3 | mg/L | | 0.1 | | E200.7 | 04/25/11 16:07 / cp |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 04/16/11 14:30 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 04/16/11 14:30 / sml |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 04/16/11 14:30 / sml |
| Iron | 0.10 | mg/L | | 0.03 | | E200.8 | 04/16/11 14:30 / sml |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 04/16/11 14:30 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 04/16/11 14:30 / sml |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 04/16/11 14:30 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 04/16/11 14:30 / sml |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 04/16/11 14:30 / sml |
| Selenium | 0.002 | mg/L | D | 0.002 | | E200.8 | 04/16/11 14:30 / sml |
| Uranium | 0.0077 | mg/L | | 0.0003 | | E200.8 | 04/16/11 14:30 / sml |
| Uranium, Activity | 5.2E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 04/16/11 14:30 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 04/16/11 14:30 / sml |
| Zinc | 0.03 | mg/L | | 0.01 | | E200.8 | 04/16/11 14:30 / sml |
| METALS - SUSPENDED | | | | | | | |
| Uranium | 0.0148 | mg/L | | 0.0003 | | E200.8 | 04/21/11 14:55 / sml |
| Uranium, Activity | 1.0E-08 | uCi/mL | | 2.0E-10 | | E200.8 | 04/21/11 14:55 / sml |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11040476-001
Client Sample ID: Monitor 1

Report Date: 06/13/11
Collection Date: 04/11/11
Date Received: 04/14/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|-----|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | 92 | pCi/L | | 0.8 | | E909.0 | 06/01/11 03:41 / eli-cs |
| Lead 210 precision (±) | 1.3 | pCi/L | | | | E909.0 | 06/01/11 03:41 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 06/01/11 03:41 / eli-cs |
| Polonium 210 | 9.8 | pCi/L | | 0.9 | | E912.0 | 05/06/11 11:04 / ep |
| Polonium 210 precision (±) | 3.3 | pCi/L | | | | E912.0 | 05/06/11 11:04 / ep |
| Polonium 210 MDC | 0.9 | pCi/L | | | | E912.0 | 05/06/11 11:04 / ep |
| Radium 226 | 9.4 | pCi/L | | 0.1 | | E903.0 | 05/31/11 17:25 / trs |
| Radium 226 precision (±) | 0.6 | pCi/L | | | | E903.0 | 05/31/11 17:25 / trs |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 05/31/11 17:25 / trs |
| Thorium 230 | 0.3 | pCi/L | | 0.1 | | E908.0 | 05/10/11 08:42 / dmf |
| Thorium 230 precision (±) | 0.1 | pCi/L | | | | E908.0 | 05/10/11 08:42 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 05/10/11 08:42 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | 61 | pCi/L | | 0.8 | | E909.0 | 05/23/11 15:48 / eli-cs |
| Lead 210 precision (±) | 1.1 | pCi/L | | | | E909.0 | 05/23/11 15:48 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 05/23/11 15:48 / eli-cs |
| Polonium 210 | 12 | pCi/L | | 0.2 | | E912.0 | 05/06/11 08:46 / ep |
| Polonium 210 precision (±) | 2.7 | pCi/L | | | | E912.0 | 05/06/11 08:46 / ep |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 05/06/11 08:46 / ep |
| Radium 226 | 13 | pCi/L | | 0.1 | | E903.0 | 05/31/11 17:25 / trs |
| Radium 226 precision (±) | 0.7 | pCi/L | | | | E903.0 | 05/31/11 17:25 / trs |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 05/31/11 17:25 / trs |
| Thorium 230 | 4.5 | pCi/L | | 0.1 | | E908.0 | 05/04/11 15:26 / dmf |
| Thorium 230 precision (±) | 0.8 | pCi/L | | | | E908.0 | 05/04/11 15:26 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 05/04/11 15:26 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 2.92 | % | | | | Calculation | 05/02/11 09:14 / kbh |
| Anions | 14.5 | meq/L | | | | Calculation | 05/02/11 09:14 / kbh |
| Cations | 15.3 | meq/L | | | | Calculation | 05/02/11 09:14 / kbh |
| Solids, Total Dissolved Calculated | 854 | mg/L | | | | Calculation | 05/02/11 09:14 / kbh |
| TDS Balance (0.80 - 1.20) | 0.980 | | | | | Calculation | 05/02/11 09:14 / kbh |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11040476-002
Client Sample ID: Monitor 2

Report Date: 06/13/11
Collection Date: 04/11/11
Date Received: 04/14/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 402 | mg/L | | 1 | | A2320 B | 04/15/11 15:59 / jba |
| Carbonate as CO ₃ | 9 | mg/L | | 1 | | A2320 B | 04/15/11 15:59 / jba |
| Bicarbonate as HCO ₃ | 472 | mg/L | | 1 | | A2320 B | 04/15/11 15:59 / jba |
| Calcium | 5 | mg/L | | 1 | | E200.7 | 04/25/11 16:11 / cp |
| Chloride | 173 | mg/L | | 1 | | E300.0 | 04/20/11 02:34 / ljl |
| Fluoride | 0.6 | mg/L | | 0.1 | | A4500-F C | 04/18/11 09:21 / jba |
| Magnesium | 1 | mg/L | | 1 | | E200.7 | 04/25/11 16:11 / cp |
| Nitrogen, Ammonia as N | 0.18 | mg/L | | 0.05 | | A4500-NH ₃ G | 04/21/11 16:32 / dc |
| Nitrogen, Nitrate+Nitrite as N | ND | mg/L | | 0.1 | | E353.2 | 04/15/11 16:26 / dc |
| Potassium | 9 | mg/L | | 1 | | E200.7 | 04/25/11 16:11 / cp |
| Silica | 14.6 | mg/L | | 0.2 | | E200.8 | 04/16/11 14:37 / sml |
| Sodium | 328 | mg/L | | 1 | | E200.7 | 04/25/11 16:11 / cp |
| Sulfate | 55 | mg/L | D | 4 | | E300.0 | 04/20/11 02:34 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 1350 | umhos/cm | | 1 | | A2510 B | 04/15/11 11:33 / lr |
| pH | 8.26 | s.u. | | 0.01 | | A4500-H B | 04/15/11 11:33 / lr |
| Solids, Total Dissolved TDS @ 180 C | 802 | mg/L | | 10 | | A2540 C | 04/15/11 16:31 / lr |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | 0.2 | mg/L | | 0.1 | | E200.8 | 04/16/11 14:37 / sml |
| Arsenic | 0.002 | mg/L | | 0.001 | | E200.8 | 04/16/11 14:37 / sml |
| Barium | ND | mg/L | | 0.1 | | E200.8 | 04/16/11 14:37 / sml |
| Boron | 1.4 | mg/L | | 0.1 | | E200.7 | 04/25/11 16:11 / cp |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 04/16/11 14:37 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 04/16/11 14:37 / sml |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 04/16/11 14:37 / sml |
| Iron | 0.09 | mg/L | | 0.03 | | E200.8 | 04/16/11 14:37 / sml |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 04/16/11 14:37 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 04/16/11 14:37 / sml |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 04/16/11 14:37 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 04/16/11 14:37 / sml |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 04/16/11 14:37 / sml |
| Selenium | 0.003 | mg/L | D | 0.002 | | E200.8 | 04/16/11 14:37 / sml |
| Uranium | 0.0025 | mg/L | | 0.0003 | | E200.8 | 04/16/11 14:37 / sml |
| Uranium, Activity | 1.7E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 04/16/11 14:37 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 04/16/11 14:37 / sml |
| Zinc | ND | mg/L | | 0.01 | | E200.8 | 04/16/11 14:37 / sml |
| METALS - SUSPENDED | | | | | | | |
| Uranium | 0.0010 | mg/L | | 0.0003 | | E200.8 | 04/21/11 14:59 / sml |
| Uranium, Activity | 6.7E-10 | uCi/mL | | 2.0E-10 | | E200.8 | 04/21/11 14:59 / sml |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11040476-002
Client Sample ID: Monitor 2

Report Date: 06/13/11
Collection Date: 04/11/11
Date Received: 04/14/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|-----|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 06/01/11 05:52 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 06/01/11 05:52 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 06/01/11 05:52 / eli-cs |
| Polonium 210 | <0.8 | pCi/L | U | 0.8 | | E912.0 | 05/06/11 11:04 / ep |
| Polonium 210 precision (±) | 0.5 | pCi/L | | | | E912.0 | 05/06/11 11:04 / ep |
| Polonium 210 MDC | 0.8 | pCi/L | | | | E912.0 | 05/06/11 11:04 / ep |
| Radium 226 | 0.7 | pCi/L | | 0.1 | | E903.0 | 05/02/11 12:53 / trs |
| Radium 226 precision (±) | 0.2 | pCi/L | | | | E903.0 | 05/02/11 12:53 / trs |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 05/02/11 12:53 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 05/10/11 08:42 / dmf |
| Thorium 230 precision (±) | 0.1 | pCi/L | | | | E908.0 | 05/10/11 08:42 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 05/10/11 08:42 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | 0.9 | pCi/L | | 0.8 | | E909.0 | 05/23/11 18:00 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 05/23/11 18:00 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 05/23/11 18:00 / eli-cs |
| Polonium 210 | 0.4 | pCi/L | | 0.2 | | E912.0 | 05/06/11 08:46 / ep |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 05/06/11 08:46 / ep |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 05/06/11 08:46 / ep |
| Radium 226 | 0.8 | pCi/L | | 0.1 | | E903.0 | 05/02/11 23:36 / trs |
| Radium 226 precision (±) | 0.2 | pCi/L | | | | E903.0 | 05/02/11 23:36 / trs |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 05/02/11 23:36 / trs |
| Thorium 230 | 0.3 | pCi/L | | 0.1 | | E908.0 | 05/05/11 14:45 / dmf |
| Thorium 230 precision (±) | 0.1 | pCi/L | | | | E908.0 | 05/05/11 14:45 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 05/05/11 14:45 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 2.57 | % | | | | Calculation | 05/02/11 09:15 / kbh |
| Anions | 14.1 | meq/L | | | | Calculation | 05/02/11 09:15 / kbh |
| Cations | 14.8 | meq/L | | | | Calculation | 05/02/11 09:15 / kbh |
| Solids, Total Dissolved Calculated | 831 | mg/L | | | | Calculation | 05/02/11 09:15 / kbh |
| TDS Balance (0.80 - 1.20) | 0.970 | | | | | Calculation | 05/02/11 09:15 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11040476-003
Client Sample ID: Monitor 4A

Report Date: 06/13/11
Collection Date: 04/11/11
Date Received: 04/14/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 360 | mg/L | | 1 | | A2320 B | 04/15/11 16:08 / jba |
| Carbonate as CO ₃ | 26 | mg/L | | 1 | | A2320 B | 04/15/11 16:08 / jba |
| Bicarbonate as HCO ₃ | 386 | mg/L | | 1 | | A2320 B | 04/15/11 16:08 / jba |
| Calcium | 3 | mg/L | | 1 | | E200.7 | 04/25/11 16:27 / cp |
| Chloride | 238 | mg/L | | 1 | | E300.0 | 04/20/11 02:49 / ljl |
| Fluoride | 0.8 | mg/L | | 0.1 | | A4500-F C | 04/18/11 09:29 / jba |
| Magnesium | ND | mg/L | | 1 | | E200.7 | 04/25/11 16:27 / cp |
| Nitrogen, Ammonia as N | 0.22 | mg/L | | 0.05 | | A4500-NH ₃ G | 04/21/11 16:40 / dc |
| Nitrogen, Nitrate+Nitrite as N | ND | mg/L | | 0.1 | | E353.2 | 04/15/11 16:29 / dc |
| Potassium | 16 | mg/L | | 1 | | E200.7 | 04/25/11 16:27 / cp |
| Silica | 14.4 | mg/L | | 0.2 | | E200.8 | 04/16/11 15:11 / sml |
| Sodium | 380 | mg/L | | 1 | | E200.7 | 04/25/11 16:27 / cp |
| Sulfate | 112 | mg/L | D | 4 | | E300.0 | 04/20/11 02:49 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 1620 | umhos/cm | | 1 | | A2510 B | 04/15/11 11:35 / lr |
| pH | 8.96 | s.u. | | 0.01 | | A4500-H B | 04/15/11 11:35 / lr |
| Solids, Total Dissolved TDS @ 180 C | 946 | mg/L | | 10 | | A2540 C | 04/15/11 16:32 / lr |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.8 | 04/16/11 15:11 / sml |
| Arsenic | 0.004 | mg/L | | 0.001 | | E200.8 | 04/16/11 15:11 / sml |
| Barium | ND | mg/L | | 0.1 | | E200.8 | 04/16/11 15:11 / sml |
| Boron | 1.3 | mg/L | | 0.1 | | E200.7 | 04/25/11 16:27 / cp |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 04/16/11 15:11 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 04/16/11 15:11 / sml |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 04/16/11 15:11 / sml |
| Iron | ND | mg/L | | 0.03 | | E200.8 | 04/16/11 15:11 / sml |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 04/16/11 15:11 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 04/16/11 15:11 / sml |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 04/16/11 15:11 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 04/16/11 15:11 / sml |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 04/16/11 15:11 / sml |
| Selenium | 0.004 | mg/L | D | 0.002 | | E200.8 | 04/16/11 15:11 / sml |
| Uranium | 0.0677 | mg/L | | 0.0003 | | E200.8 | 04/16/11 15:11 / sml |
| Uranium, Activity | 4.6E-08 | uCi/mL | | 2.0E-10 | | E200.8 | 04/16/11 15:11 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 04/16/11 15:11 / sml |
| Zinc | 0.02 | mg/L | | 0.01 | | E200.7 | 04/25/11 16:27 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | 0.0013 | mg/L | | 0.0003 | | E200.8 | 04/21/11 15:04 / sml |
| Uranium, Activity | 8.7E-10 | uCi/mL | | 2.0E-10 | | E200.8 | 04/21/11 15:04 / sml |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11040476-003
Client Sample ID: Monitor 4A

Report Date: 06/13/11
Collection Date: 04/11/11
Date Received: 04/14/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|-----|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | 698 | pCi/L | | 0.8 | | E909.0 | 06/01/11 08:04 / eli-cs |
| Lead 210 precision (±) | 3.3 | pCi/L | | | | E909.0 | 06/01/11 08:04 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 06/01/11 08:04 / eli-cs |
| Polonium 210 | 139 | pCi/L | | 0.5 | | E912.0 | 05/06/11 11:04 / ep |
| Polonium 210 precision (±) | 28 | pCi/L | | | | E912.0 | 05/06/11 11:04 / ep |
| Polonium 210 MDC | 0.5 | pCi/L | | | | E912.0 | 05/06/11 11:04 / ep |
| Radium 226 | 227 | pCi/L | | 0.1 | | E903.0 | 05/02/11 12:53 / trs |
| Radium 226 precision (±) | 2.7 | pCi/L | | | | E903.0 | 05/02/11 12:53 / trs |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 05/02/11 12:53 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 05/10/11 13:01 / dmf |
| Thorium 230 precision (±) | 0.09 | pCi/L | | | | E908.0 | 05/10/11 13:01 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 05/10/11 13:01 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | 34 | pCi/L | | 0.9 | | E909.0 | 05/23/11 20:11 / eli-cs |
| Lead 210 precision (±) | 0.9 | pCi/L | | | | E909.0 | 05/23/11 20:11 / eli-cs |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 05/23/11 20:11 / eli-cs |
| Polonium 210 | 10 | pCi/L | | 0.2 | | E912.0 | 05/06/11 08:46 / ep |
| Polonium 210 precision (±) | 2.2 | pCi/L | | | | E912.0 | 05/06/11 08:46 / ep |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 05/06/11 08:46 / ep |
| Radium 226 | 0.7 | pCi/L | | 0.1 | | E903.0 | 05/02/11 23:36 / trs |
| Radium 226 precision (±) | 0.2 | pCi/L | | | | E903.0 | 05/02/11 23:36 / trs |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 05/02/11 23:36 / trs |
| Thorium 230 | 0.4 | pCi/L | | 0.1 | | E908.0 | 05/05/11 14:45 / dmf |
| Thorium 230 precision (±) | 0.2 | pCi/L | | | | E908.0 | 05/05/11 14:45 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 05/05/11 14:45 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 2.73 | % | | | | Calculation | 05/02/11 09:15 / kbh |
| Anions | 16.3 | meq/L | | | | Calculation | 05/02/11 09:15 / kbh |
| Cations | 17.2 | meq/L | | | | Calculation | 05/02/11 09:15 / kbh |
| Solids, Total Dissolved Calculated | 985 | mg/L | | | | Calculation | 05/02/11 09:15 / kbh |
| TDS Balance (0.80 - 1.20) | 0.960 | | | | | Calculation | 05/02/11 09:15 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



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LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11040476-004
Client Sample ID: Monitor 5

Report Date: 06/13/11
Collection Date: 04/11/11
Date Received: 04/14/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 297 | mg/L | | 1 | | A2320 B | 04/15/11 16:18 / jba |
| Carbonate as CO ₃ | 99 | mg/L | | 1 | | A2320 B | 04/15/11 16:18 / jba |
| Bicarbonate as HCO ₃ | 161 | mg/L | | 1 | | A2320 B | 04/15/11 16:18 / jba |
| Calcium | 5 | mg/L | | 1 | | E200.7 | 04/25/11 16:31 / cp |
| Chloride | 321 | mg/L | D | 2 | | E300.0 | 04/22/11 02:00 / lji |
| Fluoride | 0.8 | mg/L | | 0.1 | | A4500-F C | 04/18/11 09:32 / jba |
| Magnesium | 1 | mg/L | | 1 | | E200.7 | 04/25/11 16:31 / cp |
| Nitrogen, Ammonia as N | 0.43 | mg/L | | 0.05 | | A4500-NH ₃ G | 04/21/11 16:42 / dc |
| Nitrogen, Nitrate+Nitrite as N | ND | mg/L | | 0.1 | | E353.2 | 04/18/11 12:32 / dc |
| Potassium | 36 | mg/L | | 1 | | E200.7 | 04/25/11 16:31 / cp |
| Silica | 21.9 | mg/L | | 0.2 | | E200.8 | 04/16/11 15:18 / sml |
| Sodium | 505 | mg/L | | 1 | | E200.7 | 04/25/11 16:31 / cp |
| Sulfate | 312 | mg/L | D | 4 | | E300.0 | 04/20/11 03:36 / lji |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 2230 | umhos/cm | | 1 | | A2510 B | 04/15/11 11:36 / lr |
| pH | 9.88 | s.u. | | 0.01 | | A4500-H B | 04/15/11 11:36 / lr |
| Solids, Total Dissolved TDS @ 180 C | 1300 | mg/L | | 10 | | A2540 C | 04/15/11 16:32 / lr |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | 0.3 | mg/L | | 0.1 | | E200.8 | 04/16/11 15:18 / sml |
| Arsenic | 0.001 | mg/L | | 0.001 | | E200.8 | 04/16/11 15:18 / sml |
| Barium | ND | mg/L | | 0.1 | | E200.8 | 04/16/11 15:18 / sml |
| Boron | 1.2 | mg/L | | 0.1 | | E200.7 | 04/25/11 16:31 / cp |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 04/16/11 15:18 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 04/16/11 15:18 / sml |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 04/16/11 15:18 / sml |
| Iron | ND | mg/L | | 0.03 | | E200.8 | 04/16/11 15:18 / sml |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 04/16/11 15:18 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 04/16/11 15:18 / sml |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 04/16/11 15:18 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 04/16/11 15:18 / sml |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 04/16/11 15:18 / sml |
| Selenium | 0.005 | mg/L | D | 0.002 | | E200.8 | 04/16/11 15:18 / sml |
| Uranium | 0.0009 | mg/L | | 0.0003 | | E200.8 | 04/16/11 15:18 / sml |
| Uranium, Activity | 6.4E-10 | uCi/mL | | 2.0E-10 | | E200.8 | 04/16/11 15:18 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 04/16/11 15:18 / sml |
| Zinc | 0.01 | mg/L | | 0.01 | | E200.7 | 04/25/11 16:31 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 04/21/11 15:24 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 04/21/11 15:24 / sml |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11040476-004
Client Sample ID: Monitor 5

Report Date: 06/13/11
Collection Date: 04/11/11
Date Received: 04/14/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|-----|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 06/01/11 10:15 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 06/01/11 10:15 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 06/01/11 10:15 / eli-cs |
| Polonium 210 | <0.6 | pCi/L | U | 0.6 | | E912.0 | 05/06/11 11:04 / ep |
| Polonium 210 precision (±) | 0.5 | pCi/L | | | | E912.0 | 05/06/11 11:04 / ep |
| Polonium 210 MDC | 0.6 | pCi/L | | | | E912.0 | 05/06/11 11:04 / ep |
| Radium 226 | 2.0 | pCi/L | | 0.1 | | E903.0 | 05/02/11 12:53 / trs |
| Radium 226 precision (±) | 0.3 | pCi/L | | | | E903.0 | 05/02/11 12:53 / trs |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 05/02/11 12:53 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 05/10/11 13:00 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 05/10/11 13:00 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 05/10/11 13:00 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.9 | pCi/L | U | 0.9 | | E909.0 | 05/23/11 22:23 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 05/23/11 22:23 / eli-cs |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 05/23/11 22:23 / eli-cs |
| Polonium 210 | <0.2 | pCi/L | U | 0.2 | | E912.0 | 05/06/11 08:46 / ep |
| Polonium 210 precision (±) | 0.09 | pCi/L | | | | E912.0 | 05/06/11 08:46 / ep |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 05/06/11 08:46 / ep |
| Radium 226 | <0.1 | pCi/L | U | 0.1 | | E903.0 | 05/02/11 23:36 / trs |
| Radium 226 precision (±) | 0.04 | pCi/L | | | | E903.0 | 05/02/11 23:36 / trs |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 05/02/11 23:36 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 05/05/11 14:45 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 05/05/11 14:45 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 05/05/11 14:45 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 3.78 | % | | | | Calculation | 05/02/11 09:15 / kbh |
| Anions | 21.5 | meq/L | | | | Calculation | 05/02/11 09:15 / kbh |
| Cations | 23.2 | meq/L | | | | Calculation | 05/02/11 09:15 / kbh |
| Solids, Total Dissolved Calculated | 1390 | mg/L | | | | Calculation | 05/02/11 09:15 / kbh |
| TDS Balance (0.80 - 1.20) | 0.940 | | | | | Calculation | 05/02/11 09:15 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11040476-005
Client Sample ID: Monitor 6

Report Date: 06/13/11
Collection Date: 04/11/11
Date Received: 04/14/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 361 | mg/L | | 1 | | A2320 B | 04/15/11 16:27 / jba |
| Carbonate as CO ₃ | 53 | mg/L | | 1 | | A2320 B | 04/15/11 16:27 / jba |
| Bicarbonate as HCO ₃ | 332 | mg/L | | 1 | | A2320 B | 04/15/11 16:27 / jba |
| Calcium | 7 | mg/L | | 1 | | E200.7 | 04/25/11 16:35 / cp |
| Chloride | 386 | mg/L | D | 4 | | E300.0 | 04/22/11 02:47 / ljl |
| Fluoride | 0.8 | mg/L | | 0.1 | | A4500-F C | 04/18/11 09:35 / jba |
| Magnesium | ND | mg/L | | 1 | | E200.7 | 04/25/11 16:35 / cp |
| Nitrogen, Ammonia as N | 0.30 | mg/L | | 0.05 | | A4500-NH ₃ G | 04/21/11 16:44 / dc |
| Nitrogen, Nitrate+Nitrite as N | ND | mg/L | | 0.1 | | E353.2 | 04/18/11 12:34 / dc |
| Potassium | 23 | mg/L | | 1 | | E200.7 | 04/25/11 16:35 / cp |
| Silica | 15.1 | mg/L | | 0.2 | | E200.8 | 04/16/11 15:25 / sml |
| Sodium | 455 | mg/L | | 1 | | E200.7 | 04/25/11 16:35 / cp |
| Sulfate | 59 | mg/L | D | 4 | | E300.0 | 04/20/11 03:51 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 2000 | umhos/cm | | 1 | | A2510 B | 04/15/11 11:46 / lr |
| pH | 9.17 | s.u. | | 0.01 | | A4500-H B | 04/15/11 11:46 / lr |
| Solids, Total Dissolved TDS @ 180 C | 1140 | mg/L | | 10 | | A2540 C | 04/15/11 16:32 / lr |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.8 | 04/16/11 15:25 / sml |
| Arsenic | 0.001 | mg/L | | 0.001 | | E200.8 | 04/16/11 15:25 / sml |
| Barium | 0.1 | mg/L | | 0.1 | | E200.8 | 04/16/11 15:25 / sml |
| Boron | 1.3 | mg/L | | 0.1 | | E200.7 | 04/25/11 16:35 / cp |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 04/16/11 15:25 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 04/16/11 15:25 / sml |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 04/16/11 15:25 / sml |
| Iron | ND | mg/L | | 0.03 | | E200.8 | 04/16/11 15:25 / sml |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 04/16/11 15:25 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 04/16/11 15:25 / sml |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 04/16/11 15:25 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 04/16/11 15:25 / sml |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 04/16/11 15:25 / sml |
| Selenium | 0.004 | mg/L | D | 0.002 | | E200.8 | 04/16/11 15:25 / sml |
| Uranium | 0.0017 | mg/L | | 0.0003 | | E200.8 | 04/16/11 15:25 / sml |
| Uranium, Activity | 1.2E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 04/16/11 15:25 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 04/16/11 15:25 / sml |
| Zinc | 0.02 | mg/L | | 0.01 | | E200.7 | 04/25/11 16:35 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 04/21/11 15:28 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 04/21/11 15:28 / sml |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11040476-005
Client Sample ID: Monitor 6

Report Date: 06/13/11
Collection Date: 04/11/11
Date Received: 04/14/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|-----|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | 1.7 | pCi/L | | 0.8 | | E909.0 | 06/01/11 12:27 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 06/01/11 12:27 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 06/01/11 12:27 / eli-cs |
| Polonium 210 | <0.6 | pCi/L | U | 0.6 | | E912.0 | 05/06/11 11:04 / ep |
| Polonium 210 precision (±) | 0.5 | pCi/L | | | | E912.0 | 05/06/11 11:04 / ep |
| Polonium 210 MDC | 0.6 | pCi/L | | | | E912.0 | 05/06/11 11:04 / ep |
| Radium 226 | 2.3 | pCi/L | | 0.1 | | E903.0 | 05/02/11 12:53 / trs |
| Radium 226 precision (±) | 0.3 | pCi/L | | | | E903.0 | 05/02/11 12:53 / trs |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 05/02/11 12:53 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 05/10/11 13:00 / dmf |
| Thorium 230 precision (±) | 0.08 | pCi/L | | | | E908.0 | 05/10/11 13:00 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 05/10/11 13:00 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 05/24/11 00:34 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 05/24/11 00:34 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 05/24/11 00:34 / eli-cs |
| Polonium 210 | <0.2 | pCi/L | U | 0.2 | | E912.0 | 05/06/11 08:46 / ep |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 05/06/11 08:46 / ep |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 05/06/11 08:46 / ep |
| Radium 226 | <0.1 | pCi/L | U | 0.1 | | E903.0 | 05/02/11 23:36 / trs |
| Radium 226 precision (±) | 0.04 | pCi/L | | | | E903.0 | 05/02/11 23:36 / trs |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 05/02/11 23:36 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 05/05/11 14:45 / dmf |
| Thorium 230 precision (±) | 0.08 | pCi/L | | | | E908.0 | 05/05/11 14:45 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 05/05/11 14:45 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 3.60 | % | | | | Calculation | 05/02/11 09:15 / kbh |
| Anions | 19.4 | meq/L | | | | Calculation | 05/02/11 09:15 / kbh |
| Cations | 20.8 | meq/L | | | | Calculation | 05/02/11 09:15 / kbh |
| Solids, Total Dissolved Calculated | 1170 | mg/L | | | | Calculation | 05/02/11 09:15 / kbh |
| TDS Balance (0.80 - 1.20) | 0.970 | | | | | Calculation | 05/02/11 09:15 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11040476-006
Client Sample ID: Monitor 7

Report Date: 06/13/11
Collection Date: 04/11/11
Date Received: 04/14/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|--------|-------|-----------|------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 273 | mg/L | | 1 | | A2320 B | 04/15/11 16:35 / jba |
| Carbonate as CO ₃ | 31 | mg/L | | 1 | | A2320 B | 04/15/11 16:35 / jba |
| Bicarbonate as HCO ₃ | 270 | mg/L | | 1 | | A2320 B | 04/15/11 16:35 / jba |
| Calcium | 7 | mg/L | | 1 | | E200.7 | 04/25/11 16:39 / cp |
| Chloride | 346 | mg/L | D | 4 | | E300.0 | 04/22/11 03:02 / ljl |
| Fluoride | 0.8 | mg/L | | 0.1 | | A4500-F C | 04/18/11 09:37 / jba |
| Magnesium | 1 | mg/L | | 1 | | E200.7 | 04/25/11 16:39 / cp |
| Nitrogen, Ammonia as N | 0.21 | mg/L | | 0.05 | | A4500-NH ₃ G | 04/21/11 16:46 / dc |
| Nitrogen, Nitrate+Nitrite as N | ND | mg/L | | 0.1 | | E353.2 | 04/18/11 12:37 / dc |
| Potassium | 17 | mg/L | | 1 | | E200.7 | 04/25/11 16:39 / cp |
| Silica | 14.0 | mg/L | | 0.2 | | E200.8 | 04/16/11 15:32 / sml |
| Sodium | 511 | mg/L | | 1 | | E200.7 | 04/25/11 16:39 / cp |
| Sulfate | 293 | mg/L | D | 4 | | E300.0 | 04/20/11 04:06 / ljl |

PHYSICAL PROPERTIES

| | | | | | | | |
|-------------------------------------|------|----------|--|------|--|-----------|---------------------|
| Conductivity @ 25 C | 2200 | umhos/cm | | 1 | | A2510 B | 04/15/11 11:48 / lr |
| pH | 9.10 | s.u. | | 0.01 | | A4500-H B | 04/15/11 11:48 / lr |
| Solids, Total Dissolved TDS @ 180 C | 1310 | mg/L | | 10 | | A2540 C | 04/15/11 16:32 / lr |

METALS - DISSOLVED

| | | | | | | | |
|-------------------|---------|--------|---|---------|--|--------|----------------------|
| Aluminum | ND | mg/L | | 0.1 | | E200.8 | 04/16/11 15:32 / sml |
| Arsenic | 0.001 | mg/L | | 0.001 | | E200.8 | 04/16/11 15:32 / sml |
| Barium | ND | mg/L | | 0.1 | | E200.8 | 04/16/11 15:32 / sml |
| Boron | 1.4 | mg/L | | 0.1 | | E200.7 | 04/25/11 16:39 / cp |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 04/16/11 15:32 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 04/16/11 15:32 / sml |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 04/16/11 15:32 / sml |
| Iron | ND | mg/L | | 0.03 | | E200.8 | 04/16/11 15:32 / sml |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 04/16/11 15:32 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 04/16/11 15:32 / sml |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 04/16/11 15:32 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 04/16/11 15:32 / sml |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 04/16/11 15:32 / sml |
| Selenium | 0.005 | mg/L | D | 0.002 | | E200.8 | 04/16/11 15:32 / sml |
| Uranium | 0.0005 | mg/L | | 0.0003 | | E200.8 | 04/16/11 15:32 / sml |
| Uranium, Activity | 3.2E-10 | uCi/mL | | 2.0E-10 | | E200.8 | 04/16/11 15:32 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 04/16/11 15:32 / sml |
| Zinc | 0.02 | mg/L | | 0.01 | | E200.7 | 04/25/11 16:39 / cp |

METALS - SUSPENDED

| | | | | | | | |
|-------------------|----|--------|--|---------|--|--------|----------------------|
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 04/21/11 15:32 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 04/21/11 15:32 / sml |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11040476-006
Client Sample ID: Monitor 7

Report Date: 06/13/11
Collection Date: 04/11/11
Date Received: 04/14/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|-----|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 06/01/11 14:38 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 06/01/11 14:38 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 06/01/11 14:38 / eli-cs |
| Polonium 210 | <0.5 | pCi/L | U | 0.5 | | E912.0 | 05/06/11 11:04 / ep |
| Polonium 210 precision (±) | 0.4 | pCi/L | | | | E912.0 | 05/06/11 11:04 / ep |
| Polonium 210 MDC | 0.5 | pCi/L | | | | E912.0 | 05/06/11 11:04 / ep |
| Radium 226 | 0.3 | pCi/L | | 0.1 | | E903.0 | 05/02/11 12:53 / trs |
| Radium 226 precision (±) | 0.1 | pCi/L | | | | E903.0 | 05/02/11 12:53 / trs |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 05/02/11 12:53 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 05/10/11 13:00 / dmf |
| Thorium 230 precision (±) | 0.08 | pCi/L | | | | E908.0 | 05/10/11 13:00 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 05/10/11 13:00 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 05/24/11 02:45 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 05/24/11 02:45 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 05/24/11 02:45 / eli-cs |
| Polonium 210 | <0.2 | pCi/L | U | 0.2 | | E912.0 | 05/06/11 08:46 / ep |
| Polonium 210 precision (±) | 0.1 | pCi/L | | | | E912.0 | 05/06/11 08:46 / ep |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 05/06/11 08:46 / ep |
| Radium 226 | <0.1 | pCi/L | U | 0.1 | | E903.0 | 05/02/11 23:36 / trs |
| Radium 226 precision (±) | 0.04 | pCi/L | | | | E903.0 | 05/02/11 23:36 / trs |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 05/02/11 23:36 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 05/05/11 14:45 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 05/05/11 14:45 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 05/05/11 14:45 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 3.91 | % | | | | Calculation | 05/02/11 09:16 / kbh |
| Anions | 21.4 | meq/L | | | | Calculation | 05/02/11 09:16 / kbh |
| Cations | 23.1 | meq/L | | | | Calculation | 05/02/11 09:16 / kbh |
| Solids, Total Dissolved Calculated | 1360 | mg/L | | | | Calculation | 05/02/11 09:16 / kbh |
| TDS Balance (0.80 - 1.20) | 0.960 | | | | | Calculation | 05/02/11 09:16 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11040476-007
Client Sample ID: Monitor 8

Report Date: 06/13/11
Collection Date: 04/11/11
Date Received: 04/14/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 294 | mg/L | | 1 | | A2320 B | 04/15/11 16:44 / jba |
| Carbonate as CO ₃ | 21 | mg/L | | 1 | | A2320 B | 04/15/11 16:44 / jba |
| Bicarbonate as HCO ₃ | 314 | mg/L | | 1 | | A2320 B | 04/15/11 16:44 / jba |
| Calcium | 10 | mg/L | | 1 | | E200.7 | 04/25/11 16:51 / cp |
| Chloride | 197 | mg/L | | 1 | | E300.0 | 04/20/11 04:22 / ljl |
| Fluoride | 0.7 | mg/L | | 0.1 | | A4500-F C | 04/18/11 09:44 / jba |
| Magnesium | 2 | mg/L | | 1 | | E200.7 | 04/25/11 16:51 / cp |
| Nitrogen, Ammonia as N | 0.28 | mg/L | | 0.05 | | A4500-NH ₃ G | 04/21/11 16:48 / dc |
| Nitrogen, Nitrate+Nitrite as N | ND | mg/L | | 0.1 | | E353.2 | 04/18/11 12:39 / dc |
| Potassium | 18 | mg/L | | 1 | | E200.7 | 04/25/11 16:51 / cp |
| Silica | 15.5 | mg/L | | 0.2 | | E200.8 | 04/16/11 16:00 / sml |
| Sodium | 461 | mg/L | | 1 | | E200.7 | 04/25/11 16:51 / cp |
| Sulfate | 396 | mg/L | D | 4 | | E300.0 | 04/20/11 04:22 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 1960 | umhos/cm | | 1 | | A2510 B | 04/15/11 11:49 / lr |
| pH | 8.84 | s.u. | | 0.01 | | A4500-H B | 04/15/11 11:49 / lr |
| Solids, Total Dissolved TDS @ 180 C | 1230 | mg/L | | 10 | | A2540 C | 04/15/11 16:32 / lr |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.8 | 04/16/11 16:00 / sml |
| Arsenic | ND | mg/L | | 0.001 | | E200.8 | 04/16/11 16:00 / sml |
| Barium | ND | mg/L | | 0.1 | | E200.8 | 04/16/11 16:00 / sml |
| Boron | 1.4 | mg/L | | 0.1 | | E200.7 | 04/25/11 16:51 / cp |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 04/16/11 16:00 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 04/16/11 16:00 / sml |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 04/16/11 16:00 / sml |
| Iron | ND | mg/L | | 0.03 | | E200.8 | 04/16/11 16:00 / sml |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 04/16/11 16:00 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 04/16/11 16:00 / sml |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 04/16/11 16:00 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 04/16/11 16:00 / sml |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 04/16/11 16:00 / sml |
| Selenium | 0.006 | mg/L | D | 0.002 | | E200.8 | 04/16/11 16:00 / sml |
| Uranium | 0.0003 | mg/L | | 0.0003 | | E200.8 | 04/16/11 16:00 / sml |
| Uranium, Activity | 2.3E-10 | uCi/mL | | 2.0E-10 | | E200.8 | 04/16/11 16:00 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 04/16/11 16:00 / sml |
| Zinc | 0.01 | mg/L | | 0.01 | | E200.7 | 04/25/11 16:51 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 04/21/11 15:36 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 04/21/11 15:36 / sml |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11040476-007
Client Sample ID: Monitor 8

Report Date: 06/13/11
Collection Date: 04/11/11
Date Received: 04/14/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|-----|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 06/01/11 16:49 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 06/01/11 16:49 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 06/01/11 16:49 / eli-cs |
| Polonium 210 | <0.6 | pCi/L | U | 0.6 | | E912.0 | 05/06/11 11:04 / ep |
| Polonium 210 precision (±) | 0.4 | pCi/L | | | | E912.0 | 05/06/11 11:04 / ep |
| Polonium 210 MDC | 0.6 | pCi/L | | | | E912.0 | 05/06/11 11:04 / ep |
| Radium 226 | 1 | pCi/L | | 0.1 | | E903.0 | 05/02/11 12:53 / trs |
| Radium 226 precision (±) | 0.2 | pCi/L | | | | E903.0 | 05/02/11 12:53 / trs |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 05/02/11 12:53 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 05/10/11 13:01 / dmf |
| Thorium 230 precision (±) | 0.1 | pCi/L | | | | E908.0 | 05/10/11 13:01 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 05/10/11 13:01 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 05/24/11 04:57 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 05/24/11 04:57 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 05/24/11 04:57 / eli-cs |
| Polonium 210 | <0.2 | pCi/L | U | 0.2 | | E912.0 | 05/06/11 08:47 / ep |
| Polonium 210 precision (±) | 0.1 | pCi/L | | | | E912.0 | 05/06/11 08:47 / ep |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 05/06/11 08:47 / ep |
| Radium 226 | <0.1 | pCi/L | U | 0.1 | | E903.0 | 05/02/11 23:36 / trs |
| Radium 226 precision (±) | 0.05 | pCi/L | | | | E903.0 | 05/02/11 23:36 / trs |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 05/02/11 23:36 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 05/05/11 14:45 / dmf |
| Thorium 230 precision (±) | 0.08 | pCi/L | | | | E908.0 | 05/05/11 14:45 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 05/05/11 14:45 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 3.63 | % | | | | Calculation | 05/02/11 09:16 / kbh |
| Anions | 19.7 | meq/L | | | | Calculation | 05/02/11 09:16 / kbh |
| Cations | 21.2 | meq/L | | | | Calculation | 05/02/11 09:16 / kbh |
| Solids, Total Dissolved Calculated | 1280 | mg/L | | | | Calculation | 05/02/11 09:16 / kbh |
| TDS Balance (0.80 - 1.20) | 0.960 | | | | | Calculation | 05/02/11 09:16 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11040476-008
Client Sample ID: Monitor 9

Report Date: 06/13/11
Collection Date: 04/11/11
Date Received: 04/14/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 337 | mg/L | | 1 | | A2320 B | 04/15/11 16:54 / jba |
| Carbonate as CO ₃ | 32 | mg/L | | 1 | | A2320 B | 04/15/11 16:54 / jba |
| Bicarbonate as HCO ₃ | 345 | mg/L | | 1 | | A2320 B | 04/15/11 16:54 / jba |
| Calcium | 3 | mg/L | | 1 | | E200.7 | 04/25/11 16:59 / cp |
| Chloride | 279 | mg/L | D | 2 | | E300.0 | 04/22/11 03:18 / ljl |
| Fluoride | 0.8 | mg/L | | 0.1 | | A4500-F C | 04/18/11 10:03 / jba |
| Magnesium | ND | mg/L | | 1 | | E200.7 | 04/25/11 16:59 / cp |
| Nitrogen, Ammonia as N | 0.27 | mg/L | | 0.05 | | A4500-NH ₃ G | 04/22/11 11:47 / dc |
| Nitrogen, Nitrate+Nitrite as N | ND | mg/L | | 0.1 | | E353.2 | 04/18/11 12:49 / dc |
| Potassium | 17 | mg/L | | 1 | | E200.7 | 04/25/11 16:59 / cp |
| Silica | 14.4 | mg/L | | 0.2 | | E200.8 | 04/16/11 16:07 / sml |
| Sodium | 397 | mg/L | | 1 | | E200.7 | 04/25/11 16:59 / cp |
| Sulfate | 89 | mg/L | D | 4 | | E300.0 | 04/20/11 04:37 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 1680 | umhos/cm | | 1 | | A2510 B | 04/15/11 11:51 / lr |
| pH | 9.02 | s.u. | | 0.01 | | A4500-H B | 04/15/11 11:51 / lr |
| Solids, Total Dissolved TDS @ 180 C | 964 | mg/L | | 10 | | A2540 C | 04/15/11 16:33 / lr |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.8 | 04/16/11 16:07 / sml |
| Arsenic | 0.003 | mg/L | | 0.001 | | E200.8 | 04/16/11 16:07 / sml |
| Barium | ND | mg/L | | 0.1 | | E200.8 | 04/16/11 16:07 / sml |
| Boron | 1.2 | mg/L | | 0.1 | | E200.7 | 04/25/11 16:59 / cp |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 04/16/11 16:07 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 04/16/11 16:07 / sml |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 04/16/11 16:07 / sml |
| Iron | ND | mg/L | | 0.03 | | E200.8 | 04/16/11 16:07 / sml |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 04/16/11 16:07 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 04/16/11 16:07 / sml |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 04/16/11 16:07 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 04/16/11 16:07 / sml |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 04/16/11 16:07 / sml |
| Selenium | 0.004 | mg/L | D | 0.002 | | E200.8 | 04/16/11 16:07 / sml |
| Uranium | 0.0073 | mg/L | | 0.0003 | | E200.8 | 04/16/11 16:07 / sml |
| Uranium, Activity | 4.9E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 04/16/11 16:07 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 04/16/11 16:07 / sml |
| Zinc | ND | mg/L | | 0.01 | | E200.7 | 04/25/11 16:59 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 04/21/11 15:40 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 04/21/11 15:40 / sml |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11040476-008
Client Sample ID: Monitor 9

Report Date: 06/13/11
Collection Date: 04/11/11
Date Received: 04/14/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|-----|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | 1.0 | pCi/L | | 0.8 | | E909.0 | 06/01/11 19:01 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 06/01/11 19:01 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 06/01/11 19:01 / eli-cs |
| Polonium 210 | <0.5 | pCi/L | U | 0.5 | | E912.0 | 05/06/11 11:04 / ep |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 05/06/11 11:04 / ep |
| Polonium 210 MDC | 0.5 | pCi/L | | | | E912.0 | 05/06/11 11:04 / ep |
| Radium 226 | 0.5 | pCi/L | | 0.1 | | E903.0 | 05/02/11 12:53 / trs |
| Radium 226 precision (±) | 0.1 | pCi/L | | | | E903.0 | 05/02/11 12:53 / trs |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 05/02/11 12:53 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 05/10/11 13:01 / dmf |
| Thorium 230 precision (±) | 0.1 | pCi/L | | | | E908.0 | 05/10/11 13:01 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 05/10/11 13:01 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 05/24/11 07:08 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 05/24/11 07:08 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 05/24/11 07:08 / eli-cs |
| Polonium 210 | <0.2 | pCi/L | U | 0.2 | | E912.0 | 05/06/11 08:47 / ep |
| Polonium 210 precision (±) | 0.1 | pCi/L | | | | E912.0 | 05/06/11 08:47 / ep |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 05/06/11 08:47 / ep |
| Radium 226 | 0.3 | pCi/L | | 0.1 | | E903.0 | 05/02/11 23:36 / trs |
| Radium 226 precision (±) | 0.1 | pCi/L | | | | E903.0 | 05/02/11 23:36 / trs |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 05/02/11 23:36 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 05/05/11 14:45 / dmf |
| Thorium 230 precision (±) | 0.08 | pCi/L | | | | E908.0 | 05/05/11 14:45 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 05/05/11 14:45 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 4.14 | % | | | | Calculation | 05/02/11 09:16 / kbh |
| Anions | 16.5 | meq/L | | | | Calculation | 05/02/11 09:16 / kbh |
| Cations | 17.9 | meq/L | | | | Calculation | 05/02/11 09:16 / kbh |
| Solids, Total Dissolved Calculated | 1010 | mg/L | | | | Calculation | 05/02/11 09:16 / kbh |
| TDS Balance (0.80 - 1.20) | 0.950 | | | | | Calculation | 05/02/11 09:16 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11040476-009
Client Sample ID: Monitor 10

Report Date: 06/13/11
Collection Date: 04/11/11
Date Received: 04/14/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 314 | mg/L | | 1 | | A2320 B | 04/15/11 17:02 / jba |
| Carbonate as CO ₃ | 16 | mg/L | | 1 | | A2320 B | 04/15/11 17:02 / jba |
| Bicarbonate as HCO ₃ | 351 | mg/L | | 1 | | A2320 B | 04/15/11 17:02 / jba |
| Calcium | 9 | mg/L | | 1 | | E200.7 | 04/25/11 17:03 / cp |
| Chloride | 175 | mg/L | | 1 | | E300.0 | 04/20/11 05:24 / ljl |
| Fluoride | 0.7 | mg/L | | 0.1 | | A4500-F C | 04/18/11 10:09 / jba |
| Magnesium | 2 | mg/L | | 1 | | E200.7 | 04/25/11 17:03 / cp |
| Nitrogen, Ammonia as N | 0.34 | mg/L | | 0.05 | | A4500-NH ₃ G | 04/22/11 11:49 / dc |
| Nitrogen, Nitrate+Nitrite as N | ND | mg/L | | 0.1 | | E353.2 | 04/18/11 12:52 / dc |
| Potassium | 13 | mg/L | | 1 | | E200.7 | 04/25/11 17:03 / cp |
| Silica | 13.1 | mg/L | | 0.2 | | E200.8 | 04/16/11 16:42 / sml |
| Sodium | 432 | mg/L | | 1 | | E200.7 | 04/25/11 17:03 / cp |
| Sulfate | 347 | mg/L | D | 4 | | E300.0 | 04/20/11 05:24 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 1820 | umhos/cm | | 1 | | A2510 B | 04/15/11 11:53 / lr |
| pH | 8.61 | s.u. | | 0.01 | | A4500-H B | 04/15/11 11:53 / lr |
| Solids, Total Dissolved TDS @ 180 C | 1140 | mg/L | | 10 | | A2540 C | 04/15/11 16:33 / lr |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.8 | 04/16/11 16:42 / sml |
| Arsenic | 0.001 | mg/L | | 0.001 | | E200.8 | 04/16/11 16:42 / sml |
| Barium | ND | mg/L | | 0.1 | | E200.8 | 04/16/11 16:42 / sml |
| Boron | 1.4 | mg/L | | 0.1 | | E200.7 | 04/25/11 17:03 / cp |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 04/16/11 16:42 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 04/16/11 16:42 / sml |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 04/16/11 16:42 / sml |
| Iron | ND | mg/L | | 0.03 | | E200.8 | 04/16/11 16:42 / sml |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 04/16/11 16:42 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 04/16/11 16:42 / sml |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 04/16/11 16:42 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 04/16/11 16:42 / sml |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 04/16/11 16:42 / sml |
| Selenium | 0.004 | mg/L | D | 0.002 | | E200.8 | 04/16/11 16:42 / sml |
| Uranium | 0.0006 | mg/L | | 0.0003 | | E200.8 | 04/16/11 16:42 / sml |
| Uranium, Activity | 4.3E-10 | uCi/mL | | 2.0E-10 | | E200.8 | 04/16/11 16:42 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 04/16/11 16:42 / sml |
| Zinc | 0.02 | mg/L | | 0.01 | | E200.7 | 04/25/11 17:03 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 04/21/11 15:44 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 04/21/11 15:44 / sml |

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11040476-009
Client Sample ID: Monitor 10

Report Date: 06/13/11
Collection Date: 04/11/11
Date Received: 04/14/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|-----|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 06/01/11 21:12 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 06/01/11 21:12 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 06/01/11 21:12 / eli-cs |
| Polonium 210 | <0.7 | pCi/L | U | 0.7 | | E912.0 | 05/06/11 11:04 / ep |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 05/06/11 11:04 / ep |
| Polonium 210 MDC | 0.7 | pCi/L | | | | E912.0 | 05/06/11 11:04 / ep |
| Radium 226 | 0.4 | pCi/L | | 0.1 | | E903.0 | 05/02/11 14:28 / trs |
| Radium 226 precision (±) | 0.1 | pCi/L | | | | E903.0 | 05/02/11 14:28 / trs |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 05/02/11 14:28 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 05/10/11 13:01 / dmf |
| Thorium 230 precision (±) | 0.1 | pCi/L | | | | E908.0 | 05/10/11 13:01 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 05/10/11 13:01 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 05/24/11 10:28 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 05/24/11 10:28 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 05/24/11 10:28 / eli-cs |
| Polonium 210 | <0.2 | pCi/L | U | 0.2 | | E912.0 | 05/06/11 08:47 / ep |
| Polonium 210 precision (±) | 0.1 | pCi/L | | | | E912.0 | 05/06/11 08:47 / ep |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 05/06/11 08:47 / ep |
| Radium 226 | <0.1 | pCi/L | U | 0.1 | | E903.0 | 05/03/11 02:01 / trs |
| Radium 226 precision (±) | 0.06 | pCi/L | | | | E903.0 | 05/03/11 02:01 / trs |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 05/03/11 02:01 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 05/05/11 14:45 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 05/05/11 14:45 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 05/05/11 14:45 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 3.21 | % | | | | Calculation | 05/02/11 09:17 / kbh |
| Anions | 18.5 | meq/L | | | | Calculation | 05/02/11 09:17 / kbh |
| Cations | 19.7 | meq/L | | | | Calculation | 05/02/11 09:17 / kbh |
| Solids, Total Dissolved Calculated | 1180 | mg/L | | | | Calculation | 05/02/11 09:17 / kbh |
| TDS Balance (0.80 - 1.20) | 0.970 | | | | | Calculation | 05/02/11 09:17 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11040476-010
Client Sample ID: Monitor 11

Report Date: 06/13/11
Collection Date: 04/11/11
Date Received: 04/14/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 345 | mg/L | | 1 | | A2320 B | 04/15/11 17:11 / jba |
| Carbonate as CO ₃ | 55 | mg/L | | 1 | | A2320 B | 04/15/11 17:11 / jba |
| Bicarbonate as HCO ₃ | 309 | mg/L | | 1 | | A2320 B | 04/15/11 17:11 / jba |
| Calcium | 5 | mg/L | | 1 | | E200.8 | 04/16/11 16:49 / sml |
| Chloride | 401 | mg/L | D | 4 | | E300.0 | 04/22/11 03:33 / ljl |
| Fluoride | 0.8 | mg/L | | 0.1 | | A4500-F C | 04/18/11 10:12 / jba |
| Magnesium | ND | mg/L | | 1 | | E200.8 | 04/16/11 16:49 / sml |
| Nitrogen, Ammonia as N | 0.24 | mg/L | | 0.05 | | A4500-NH ₃ G | 04/22/11 11:51 / dc |
| Nitrogen, Nitrate+Nitrite as N | ND | mg/L | | 0.1 | | E353.2 | 04/18/11 12:54 / dc |
| Potassium | 23 | mg/L | | 1 | | E200.8 | 04/16/11 16:49 / sml |
| Silica | 11.7 | mg/L | | 0.2 | | E200.8 | 04/16/11 16:49 / sml |
| Sodium | 420 | mg/L | | 1 | | E200.8 | 04/16/11 16:49 / sml |
| Sulfate | 135 | mg/L | D | 4 | | E300.0 | 04/20/11 05:39 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 2160 | umhos/cm | | 1 | | A2510 B | 04/15/11 12:01 / lr |
| pH | 9.29 | s.u. | | 0.01 | | A4500-H B | 04/15/11 12:01 / lr |
| Solids, Total Dissolved TDS @ 180 C | 1250 | mg/L | | 10 | | A2540 C | 04/15/11 16:33 / lr |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.8 | 04/16/11 16:49 / sml |
| Arsenic | 0.003 | mg/L | | 0.001 | | E200.8 | 04/16/11 16:49 / sml |
| Barium | ND | mg/L | | 0.1 | | E200.8 | 04/16/11 16:49 / sml |
| Boron | 1.4 | mg/L | | 0.1 | | E200.7 | 04/25/11 18:04 / cp |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 04/16/11 16:49 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 04/16/11 16:49 / sml |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 04/16/11 16:49 / sml |
| Iron | ND | mg/L | | 0.03 | | E200.8 | 04/16/11 16:49 / sml |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 04/16/11 16:49 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 04/16/11 16:49 / sml |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 04/16/11 16:49 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 04/16/11 16:49 / sml |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 04/16/11 16:49 / sml |
| Selenium | 0.004 | mg/L | D | 0.002 | | E200.8 | 04/16/11 16:49 / sml |
| Uranium | 0.0008 | mg/L | | 0.0003 | | E200.8 | 04/16/11 16:49 / sml |
| Uranium, Activity | 5.7E-10 | uCi/mL | | 2.0E-10 | | E200.8 | 04/16/11 16:49 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 04/16/11 16:49 / sml |
| Zinc | 0.01 | mg/L | | 0.01 | | E200.7 | 04/25/11 18:04 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 04/21/11 15:48 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 04/21/11 15:48 / sml |

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11040476-010
Client Sample ID: Monitor 11

Report Date: 06/13/11
Collection Date: 04/11/11
Date Received: 04/14/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|-----|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 06/01/11 23:24 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 06/01/11 23:24 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 06/01/11 23:24 / eli-cs |
| Polonium 210 | <0.6 | pCi/L | U | 0.6 | | E912.0 | 05/06/11 11:04 / ep |
| Polonium 210 precision (±) | 0.4 | pCi/L | | | | E912.0 | 05/06/11 11:04 / ep |
| Polonium 210 MDC | 0.6 | pCi/L | | | | E912.0 | 05/06/11 11:04 / ep |
| Radium 226 | <0.1 | pCi/L | U | 0.1 | | E903.0 | 05/02/11 14:28 / trs |
| Radium 226 precision (±) | 0.08 | pCi/L | | | | E903.0 | 05/02/11 14:28 / trs |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 05/02/11 14:28 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 05/10/11 13:00 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 05/10/11 13:00 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 05/10/11 13:00 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.9 | pCi/L | U | 0.9 | | E909.0 | 05/24/11 12:39 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 05/24/11 12:39 / eli-cs |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 05/24/11 12:39 / eli-cs |
| Polonium 210 | <0.2 | pCi/L | U | 0.2 | | E912.0 | 05/06/11 08:47 / ep |
| Polonium 210 precision (±) | 0.1 | pCi/L | | | | E912.0 | 05/06/11 08:47 / ep |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 05/06/11 08:47 / ep |
| Radium 226 | <0.1 | pCi/L | U | 0.1 | | E903.0 | 05/03/11 02:01 / trs |
| Radium 226 precision (±) | 0.04 | pCi/L | | | | E903.0 | 05/03/11 02:01 / trs |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 05/03/11 02:01 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 05/05/11 14:45 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 05/05/11 14:45 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 05/05/11 14:45 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | -4.61 | % | | | | Calculation | 05/02/11 09:17 / kbh |
| Anions | 21.1 | meq/L | | | | Calculation | 05/02/11 09:17 / kbh |
| Cations | 19.2 | meq/L | | | | Calculation | 05/02/11 09:17 / kbh |
| Solids, Total Dissolved Calculated | 1210 | mg/L | | | | Calculation | 05/02/11 09:17 / kbh |
| TDS Balance (0.80 - 1.20) | 1.03 | | | | | Calculation | 05/02/11 09:17 / kbh |

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 06/13/11

Project: Marsland Baseline Samples

Work Order: C11040476

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|--|-------|--------------|-------|-----|------|-----------|----------------------|-----|----------|----------------|
| Method: A2320 B | | | | | | | | | | Batch: R144875 |
| Sample ID: MBLK | 3 | Method Blank | | | | | Run: MANTECH_110415A | | | 04/15/11 15:09 |
| Alkalinity, Total as CaCO ₃ | | 1.53 | mg/L | 1.0 | | | | | | |
| Carbonate as CO ₃ | | ND | mg/L | 1.0 | | | | | | |
| Bicarbonate as HCO ₃ | | 1.86 | mg/L | 1.0 | | | | | | |
| Sample ID: LCS | | | | | | | | | | 04/15/11 15:25 |
| Laboratory Control Sample | | | | | | | Run: MANTECH_110415A | | | |
| Alkalinity, Total as CaCO ₃ | 209 | | mg/L | 5.0 | 104 | 90 | 110 | | | |
| Sample ID: C11040476-001BDUP | | | | | | | | | | 04/15/11 15:41 |
| Sample Duplicate | | | | | | | Run: MANTECH_110415A | | | |
| Alkalinity, Total as CaCO ₃ | 406 | | mg/L | 5.0 | | | | 0.2 | 10 | |
| Sample ID: C11040476-001BMS | | | | | | | | | | 04/15/11 15:51 |
| Sample Matrix Spike | | | | | | | Run: MANTECH_110415A | | | |
| Alkalinity, Total as CaCO ₃ | 540 | | mg/L | 5.0 | 108 | 80 | 120 | | | |

Qualifiers:

RL - Analyte reporting limit.

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MDC - Minimum detectable concentration



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples

Report Date: 06/13/11
Work Order: C11040476

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|---|----------|-------------------------------------|------|-----------|------------|-----|----------|----------------|
| Method: A2510 B | | | | Analytical Run: ORION555A-2_110415A | | | | | | |
| Sample ID: ICV2_110415_1 | | Initial Calibration Verification Standard | | | | | | | | 04/15/11 10:59 |
| Conductivity @ 25 C | | 1380 | umhos/cm | 1.0 | 98 | 90 | 110 | | | |
| Method: A2510 B | | | | Batch: 110415_1_PH-W_555A-2 | | | | | | |
| Sample ID: MBLK1_110415_1 | | Method Blank | | | | | | | | 04/15/11 10:56 |
| Conductivity @ 25 C | | ND | umhos/cm | 1.0 | | | | | | |
| Sample ID: C11040476-004BDUP | | Sample Duplicate | | | | | | | | 04/15/11 11:38 |
| Conductivity @ 25 C | | 2230 | umhos/cm | 1.0 | | | | 0.2 | 10 | |
| Sample ID: C11040476-010BDUP | | Sample Duplicate | | | | | | | | 04/15/11 12:02 |
| Conductivity @ 25 C | | 2160 | umhos/cm | 1.0 | | | | 0.0 | 10 | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples

Report Date: 06/13/11
Work Order: C11040476

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|---------------------------|-------|----|------|--------------------|------------|----------------------------|----------|------|
| Method: A2540 C | | | | | | | | Batch: 110415_1_SLDS-TDS-W | | |
| Sample ID: MBLK1_110415 | | Method Blank | | | | Run: BAL-1_110415B | | 04/15/11 16:31 | | |
| Solids, Total Dissolved TDS @ 180 C | | ND | mg/L | 10 | | | | | | |
| Sample ID: LCS1_110415 | | Laboratory Control Sample | | | | Run: BAL-1_110415B | | 04/15/11 16:31 | | |
| Solids, Total Dissolved TDS @ 180 C | | 998 | mg/L | 10 | 100 | 90 | 110 | | | |
| Sample ID: C11040476-005ADUP | | Sample Duplicate | | | | Run: BAL-1_110415B | | 04/15/11 16:32 | | |
| Solids, Total Dissolved TDS @ 180 C | | 1140 | mg/L | 10 | | | | 0.0 | 10 | |
| Sample ID: C11040476-010ADUP | | Sample Duplicate | | | | Run: BAL-1_110415B | | 04/15/11 16:33 | | |
| Solids, Total Dissolved TDS @ 180 C | | 1240 | mg/L | 10 | | | | 0.6 | 10 | |
| Sample ID: C11040483-004AMS | | Sample Matrix Spike | | | | Run: BAL-1_110415B | | 04/15/11 16:34 | | |
| Solids, Total Dissolved TDS @ 180 C | | 2560 | mg/L | 10 | 102 | 90 | 110 | | | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 06/13/11

Project: Marsland Baseline Samples

Work Order: C11040476

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------------------------------|--------|-------|------|------|-----------|------------|-----|----------|-------------------------------------|
| Method: A4500-F C | | | | | | | | | | Batch: R144902 |
| Sample ID: MBLK | Method Blank | | | | | | | | | |
| Fluoride | | ND | mg/L | 0.10 | | | | | | Run: MANTECH_110418A 04/18/11 07:44 |
| Sample ID: LCS | Laboratory Control Sample | | | | | | | | | |
| Fluoride | | 1.00 | mg/L | 0.10 | 98 | 90 | 110 | | | Run: MANTECH_110418A 04/18/11 07:47 |
| Sample ID: C11040476-002BMS | Sample Matrix Spike | | | | | | | | | |
| Fluoride | | 1.59 | mg/L | 0.10 | 98 | 80 | 120 | | | Run: MANTECH_110418A 04/18/11 09:24 |
| Sample ID: C11040476-002BMSD | Sample Matrix Spike Duplicate | | | | | | | | | |
| Fluoride | | 1.62 | mg/L | 0.10 | 101 | 80 | 120 | 1.9 | 10 | Run: MANTECH_110418A 04/18/11 09:27 |
| Sample ID: C11040476-010BMS | Sample Matrix Spike | | | | | | | | | |
| Fluoride | | 1.85 | mg/L | 0.10 | 102 | 80 | 120 | | | Run: MANTECH_110418A 04/18/11 10:19 |
| Sample ID: C11040476-010BMSD | Sample Matrix Spike Duplicate | | | | | | | | | |
| Fluoride | | 1.82 | mg/L | 0.10 | 99 | 80 | 120 | 1.6 | 10 | Run: MANTECH_110418A 04/18/11 10:26 |

Qualifiers:

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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 06/13/11

Project: Marsland Baseline Samples

Work Order: C11040476

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|---|--------|-------|-------|------|-----------|------------|-----|----------|----------------|
| Method: A4500-H B | | | | | | | | | | |
| Analytical Run: ORION555A-2_110415A | | | | | | | | | | |
| Sample ID: ICV1_110415_1 | Initial Calibration Verification Standard | | | | | | | | | |
| pH | | 6.92 | s.u. | 0.010 | 101 | 98 | 102 | | | 04/15/11 10:57 |
| Method: A4500-H B | | | | | | | | | | |
| Batch: 110415_1_PH-W_555A-2 | | | | | | | | | | |
| Sample ID: C11040476-004BDUP | Sample Duplicate | | | | | | | | | |
| pH | | 9.88 | s.u. | 0.010 | | | | 0.0 | 3 | 04/15/11 11:38 |
| Run: ORION555A-2_110415A | | | | | | | | | | |
| Sample ID: C11040476-010BDUP | Sample Duplicate | | | | | | | | | |
| pH | | 9.28 | s.u. | 0.010 | | | | 0.1 | 3 | 04/15/11 12:02 |
| Run: ORION555A-2_110415A | | | | | | | | | | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 06/13/11

Project: Marsland Baseline Samples

Work Order: C11040476

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|-------|------|-----------|------------|------------------------|----------|----------------|
| Method: A4500-NH3 G | | | | | | | | | | Batch: R145058 |
| Sample ID: MBLK-6 | | Method Blank | | | | | | Run: TECHNICON_110421A | | 04/21/11 15:34 |
| Nitrogen, Ammonia as N | | ND | mg/L | 0.050 | | | | | | |
| Sample ID: LCS-7 | | Laboratory Control Sample | | | | | | Run: TECHNICON_110421A | | 04/21/11 15:36 |
| Nitrogen, Ammonia as N | | 2.02 | mg/L | 0.050 | 101 | 90 | 110 | | | |
| Sample ID: C11040476-007GMS | | Sample Matrix Spike | | | | | | Run: TECHNICON_110421A | | 04/21/11 16:50 |
| Nitrogen, Ammonia as N | | 1.99 | mg/L | 0.050 | 88 | 80 | 120 | | | |
| Sample ID: C11040476-007GMSD | | Sample Matrix Spike Duplicate | | | | | | Run: TECHNICON_110421A | | 04/21/11 16:52 |
| Nitrogen, Ammonia as N | | 2.04 | mg/L | 0.050 | 90 | 80 | 120 | 2.5 | 10 | |
| Method: A4500-NH3 G | | | | | | | | | | Batch: R145085 |
| Sample ID: MBLK-1 | | Method Blank | | | | | | Run: TECHNICON_110422A | | 04/22/11 11:43 |
| Nitrogen, Ammonia as N | | ND | mg/L | 0.050 | | | | | | |
| Sample ID: LCS-2 | | Laboratory Control Sample | | | | | | Run: TECHNICON_110422A | | 04/22/11 11:45 |
| Nitrogen, Ammonia as N | | 2.05 | mg/L | 0.050 | 101 | 90 | 110 | | | |
| Sample ID: C11040483-001DMS | | Sample Matrix Spike | | | | | | Run: TECHNICON_110422A | | 04/22/11 11:57 |
| Nitrogen, Ammonia as N | | 1.81 | mg/L | 0.050 | 92 | 80 | 120 | | | |
| Sample ID: C11040483-001DMSD | | Sample Matrix Spike Duplicate | | | | | | Run: TECHNICON_110422A | | 04/22/11 11:59 |
| Nitrogen, Ammonia as N | | 1.85 | mg/L | 0.050 | 94 | 80 | 120 | 2.2 | 10 | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 06/13/11

Project: Marsland Baseline Samples

Work Order: C11040476

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|-------|------|-----------|---------------------|-----|----------|----------------|
| Method: E200.7 | | | | | | | | | | Batch: R145139 |
| Sample ID: MB-110425A | 6 | Method Blank | | | | | Run: ICP2-C_110425A | | | 04/25/11 14:20 |
| Boron | | ND | mg/L | 0.10 | | | | | | |
| Calcium | | ND | mg/L | 1.0 | | | | | | |
| Magnesium | | ND | mg/L | 1.0 | | | | | | |
| Potassium | | ND | mg/L | 1.0 | | | | | | |
| Sodium | | ND | mg/L | 1.0 | | | | | | |
| Zinc | | ND | mg/L | 0.010 | | | | | | |
| Sample ID: LFB-110425A | 6 | Laboratory Fortified Blank | | | | | Run: ICP2-C_110425A | | | 04/25/11 14:24 |
| Boron | | 0.890 | mg/L | 0.10 | 85 | 85 | 115 | | | |
| Calcium | | 47.4 | mg/L | 0.50 | 95 | 85 | 115 | | | |
| Magnesium | | 46.2 | mg/L | 0.50 | 92 | 85 | 115 | | | |
| Potassium | | 48.9 | mg/L | 3.3 | 98 | 85 | 115 | | | |
| Sodium | | 49.3 | mg/L | 0.50 | 99 | 85 | 115 | | | |
| Zinc | | 0.941 | mg/L | 0.010 | 94 | 85 | 115 | | | |
| Sample ID: C11040476-006CMS2 | 6 | Sample Matrix Spike | | | | | Run: ICP2-C_110425A | | | 04/25/11 16:43 |
| Boron | | 3.24 | mg/L | 0.10 | 93 | 70 | 130 | | | |
| Calcium | | 103 | mg/L | 1.0 | 95 | 70 | 130 | | | |
| Magnesium | | 99.8 | mg/L | 1.0 | 97 | 70 | 130 | | | |
| Potassium | | 97.1 | mg/L | 1.0 | 78 | 70 | 130 | | | |
| Sodium | | 597 | mg/L | 1.0 | | 70 | 130 | | | A |
| Zinc | | 1.97 | mg/L | 0.010 | 96 | 70 | 130 | | | |
| Sample ID: C11040476-006CMSD | 6 | Sample Matrix Spike Duplicate | | | | | Run: ICP2-C_110425A | | | 04/25/11 16:47 |
| Boron | | 3.36 | mg/L | 0.10 | 98 | 70 | 130 | 3.6 | 20 | |
| Calcium | | 102 | mg/L | 1.0 | 94 | 70 | 130 | 1.0 | 20 | |
| Magnesium | | 101 | mg/L | 1.0 | 98 | 70 | 130 | 1.0 | 20 | |
| Potassium | | 98.6 | mg/L | 1.0 | 80 | 70 | 130 | 1.6 | 20 | |
| Sodium | | 593 | mg/L | 1.0 | | 70 | 130 | 0.7 | 20 | A |
| Zinc | | 1.97 | mg/L | 0.010 | 95 | 70 | 130 | 0.4 | 20 | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 06/13/11

Project: Marsland Baseline Samples

Work Order: C11040476

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|---|-------|---------|-------|---------|------|-----------|------------|-----|----------|--------------------------------------|
| Method: E200.8 | | | | | | | | | | Batch: R144879A |
| Sample ID: C11040476-010CMS4 21 Sample Matrix Spike | | | | | | | | | | Run: ICPMS4-C_110415A 04/16/11 16:56 |
| Aluminum | | 0.127 | mg/L | 0.10 | 94 | 70 | 130 | | | |
| Arsenic | | 0.0551 | mg/L | 0.0010 | 105 | 70 | 130 | | | |
| Barium | | 0.0812 | mg/L | 0.0010 | 108 | 70 | 130 | | | |
| Cadmium | | 0.0483 | mg/L | 0.010 | 97 | 70 | 130 | | | |
| Calcium | | 18.1 | mg/L | 1.0 | 103 | 70 | 130 | | | |
| Chromium | | 0.0513 | mg/L | 0.050 | 102 | 70 | 130 | | | |
| Copper | | 0.0488 | mg/L | 0.010 | 98 | 70 | 130 | | | |
| Iron | | 1.24 | mg/L | 0.030 | 98 | 70 | 130 | | | |
| Lead | | 0.0527 | mg/L | 0.050 | 105 | 70 | 130 | | | |
| Magnesium | | 12.8 | mg/L | 1.0 | 97 | 70 | 130 | | | |
| Manganese | | 0.0514 | mg/L | 0.010 | 100 | 70 | 130 | | | |
| Mercury | | 0.00151 | mg/L | 0.0010 | 30 | 70 | 130 | | | S |
| Molybdenum | | 0.0665 | mg/L | 0.0010 | 108 | 70 | 130 | | | |
| Nickel | | 0.0490 | mg/L | 0.0010 | 98 | 70 | 130 | | | |
| Potassium | | 36.0 | mg/L | 1.0 | 101 | 70 | 130 | | | |
| Selenium | | 0.0559 | mg/L | 0.0010 | 104 | 70 | 130 | | | |
| Silicon | | 5.94 | mg/L | 0.10 | | 70 | 130 | | | A |
| Sodium | | 426 | mg/L | 1.0 | | 70 | 130 | | | A |
| Uranium | | 0.0532 | mg/L | 0.00030 | 105 | 70 | 130 | | | |
| Vanadium | | 0.0537 | mg/L | 0.0010 | 105 | 70 | 130 | | | |
| Zinc | | 0.0477 | mg/L | 0.010 | 90 | 70 | 130 | | | |
| Sample ID: C11040476-010CMSD 21 Sample Matrix Spike Duplicate | | | | | | | | | | Run: ICPMS4-C_110415A 04/16/11 17:03 |
| Aluminum | | 0.125 | mg/L | 0.10 | 90 | 70 | 130 | 1.6 | 20 | |
| Arsenic | | 0.0541 | mg/L | 0.0010 | 103 | 70 | 130 | 1.7 | 20 | |
| Barium | | 0.0790 | mg/L | 0.0010 | 103 | 70 | 130 | 2.9 | 20 | |
| Cadmium | | 0.0475 | mg/L | 0.010 | 95 | 70 | 130 | 1.7 | 20 | |
| Calcium | | 17.7 | mg/L | 1.0 | 99 | 70 | 130 | 2.4 | 20 | |
| Chromium | | 0.0500 | mg/L | 0.050 | 100 | 70 | 130 | 2.5 | 20 | |
| Copper | | 0.0474 | mg/L | 0.010 | 95 | 70 | 130 | 2.9 | 20 | |
| Iron | | 1.22 | mg/L | 0.030 | 96 | 70 | 130 | 1.8 | 20 | |
| Lead | | 0.0520 | mg/L | 0.050 | 104 | 70 | 130 | 1.4 | 20 | |
| Magnesium | | 12.5 | mg/L | 1.0 | 94 | 70 | 130 | 2.6 | 20 | |
| Manganese | | 0.0502 | mg/L | 0.010 | 98 | 70 | 130 | 2.2 | 20 | |
| Mercury | | 0.00193 | mg/L | 0.0010 | 39 | 70 | 130 | 25 | 20 | SR |
| Molybdenum | | 0.0661 | mg/L | 0.0010 | 107 | 70 | 130 | 0.7 | 20 | |
| Nickel | | 0.0480 | mg/L | 0.0010 | 96 | 70 | 130 | 2.0 | 20 | |
| Potassium | | 35.3 | mg/L | 1.0 | 96 | 70 | 130 | 1.9 | 20 | |
| Selenium | | 0.0556 | mg/L | 0.0010 | 103 | 70 | 130 | 0.5 | 20 | |
| Silicon | | 5.84 | mg/L | 0.10 | | 70 | 130 | 1.6 | 20 | A |
| Sodium | | 429 | mg/L | 1.0 | | 70 | 130 | 0.5 | 20 | A |
| Uranium | | 0.0526 | mg/L | 0.00030 | 103 | 70 | 130 | 1.2 | 20 | |
| Vanadium | | 0.0521 | mg/L | 0.0010 | 102 | 70 | 130 | 3.0 | 20 | |
| Zinc | | 0.0468 | mg/L | 0.010 | 88 | 70 | 130 | 2.0 | 20 | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

R - RPD exceeds advisory limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

MDC - Minimum detectable concentration

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples

Report Date: 06/13/11
Work Order: C11040476

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-----------------------|-------|----------------------------|-------|-----------------------|------|-----------|----------------|-----|----------|-----------------|
| Method: E200.8 | | | | | | | | | | Batch: R144879A |
| Sample ID: LRB | 21 | Method Blank | | Run: ICPMS4-C_110415A | | | 04/15/11 19:10 | | | |
| Aluminum | | ND | mg/L | 0.10 | | | | | | |
| Arsenic | | ND | mg/L | 0.0010 | | | | | | |
| Barium | | ND | mg/L | 0.10 | | | | | | |
| Cadmium | | ND | mg/L | 0.0050 | | | | | | |
| Calcium | | ND | mg/L | 1.0 | | | | | | |
| Chromium | | ND | mg/L | 0.050 | | | | | | |
| Copper | | ND | mg/L | 0.010 | | | | | | |
| Iron | | ND | mg/L | 0.030 | | | | | | |
| Lead | | ND | mg/L | 0.0010 | | | | | | |
| Magnesium | | ND | mg/L | 1.0 | | | | | | |
| Manganese | | ND | mg/L | 0.010 | | | | | | |
| Mercury | | ND | mg/L | 0.0010 | | | | | | |
| Molybdenum | | ND | mg/L | 0.10 | | | | | | |
| Nickel | | ND | mg/L | 0.050 | | | | | | |
| Potassium | | ND | mg/L | 1.0 | | | | | | |
| Selenium | | 0.00193 | mg/L | 0.0010 | | | | | | |
| Silicon | | ND | mg/L | 0.0050 | | | | | | |
| Sodium | | ND | mg/L | 1.0 | | | | | | |
| Uranium | | ND | mg/L | 0.00030 | | | | | | |
| Vanadium | | ND | mg/L | 0.10 | | | | | | |
| Zinc | | ND | mg/L | 0.010 | | | | | | |
| Sample ID: LFB | 21 | Laboratory Fortified Blank | | Run: ICPMS4-C_110415A | | | 04/15/11 19:17 | | | |
| Aluminum | | 0.0520 | mg/L | 0.0010 | 104 | 85 | 115 | | | |
| Arsenic | | 0.0517 | mg/L | 0.0010 | 103 | 85 | 115 | | | |
| Barium | | 0.0502 | mg/L | 0.0010 | 100 | 85 | 115 | | | |
| Cadmium | | 0.0509 | mg/L | 0.0010 | 102 | 85 | 115 | | | |
| Calcium | | 11.7 | mg/L | 0.12 | 93 | 85 | 115 | | | |
| Chromium | | 0.0524 | mg/L | 0.0010 | 105 | 85 | 115 | | | |
| Copper | | 0.0539 | mg/L | 0.0010 | 108 | 85 | 115 | | | |
| Iron | | 1.31 | mg/L | 0.012 | 103 | 85 | 115 | | | |
| Lead | | 0.0506 | mg/L | 0.0010 | 101 | 85 | 115 | | | |
| Magnesium | | 11.7 | mg/L | 0.12 | 94 | 85 | 115 | | | |
| Manganese | | 0.0507 | mg/L | 0.0010 | 101 | 85 | 115 | | | |
| Mercury | | 0.00533 | mg/L | 0.0010 | 107 | 85 | 115 | | | |
| Molybdenum | | 0.0478 | mg/L | 0.0010 | 96 | 85 | 115 | | | |
| Nickel | | 0.0531 | mg/L | 0.0010 | 106 | 85 | 115 | | | |
| Potassium | | 11.7 | mg/L | 0.12 | 94 | 85 | 115 | | | |
| Selenium | | 0.0548 | mg/L | 0.0010 | 106 | 85 | 115 | | | |
| Silicon | | 0.576 | mg/L | 0.0010 | 110 | 85 | 115 | | | |
| Sodium | | 11.6 | mg/L | 0.12 | 93 | 85 | 115 | | | |
| Uranium | | 0.0508 | mg/L | 0.00030 | 102 | 85 | 115 | | | |
| Vanadium | | 0.0515 | mg/L | 0.0010 | 103 | 85 | 115 | | | |
| Zinc | | 0.0488 | mg/L | 0.0010 | 95 | 85 | 115 | | | |

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 06/13/11

Project: Marsland Baseline Samples

Work Order: C11040476

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|--------------|--------|-------|---------|------|-----------|------------|-----|----------|--------------------------------------|
| Method: E200.8 | | | | | | | | | | Batch: 29614 |
| Sample ID: MB-29614 | Method Blank | | | | | | | | | |
| Uranium | | ND | mg/L | 0.00030 | | | | | | Run: ICPMS4-C_110421A 04/21/11 13:09 |
| Sample ID: LCS2-29614 | | | | | | | | | | |
| Laboratory Control Sample | | | | | | | | | | Run: ICPMS4-C_110421A 04/21/11 13:17 |
| Uranium | | 0.104 | mg/L | 0.00030 | 104 | 85 | 115 | | | |
| Sample ID: C11040476-010HMS | | | | | | | | | | |
| Sample Matrix Spike | | | | | | | | | | Run: ICPMS4-C_110421A 04/21/11 15:53 |
| Uranium | | 0.0556 | mg/L | 0.00030 | 111 | 70 | 130 | | | |
| Sample ID: C11040476-010HMSD | | | | | | | | | | |
| Sample Matrix Spike Duplicate | | | | | | | | | | Run: ICPMS4-C_110421A 04/21/11 15:57 |
| Uranium | | 0.0556 | mg/L | 0.00030 | 111 | 70 | 130 | 0.0 | 20 | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 06/13/11

Project: Marsland Baseline Samples

Work Order: C11040476

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|--|-------|---|-------|-----|------|-----------|------------|-----|----------|----------------|
| Method: E300.0 Analytical Run: IC2-C_110419A | | | | | | | | | | |
| Sample ID: ICV110419 | 2 | Initial Calibration Verification Standard | | | | | | | | 04/19/11 12:26 |
| Chloride | | 9.84 | mg/L | 1.0 | 98 | 90 | 110 | | | |
| Sulfate | | 40.4 | mg/L | 1.0 | 101 | 90 | 110 | | | |
| Method: E300.0 Batch: R145050 | | | | | | | | | | |
| Sample ID: ICB | 2 | Method Blank Run: IC2-C_110419A | | | | | | | | 04/19/11 12:41 |
| Chloride | | ND | mg/L | 1.0 | | | | | | |
| Sulfate | | ND | mg/L | 4.0 | | | | | | |
| Sample ID: LFB110419 | 2 | Laboratory Fortified Blank Run: IC2-C_110419A | | | | | | | | 04/19/11 12:57 |
| Chloride | | 9.67 | mg/L | 1.0 | 96 | 90 | 110 | | | |
| Sulfate | | 40.1 | mg/L | 1.0 | 100 | 90 | 110 | | | |
| Sample ID: C11040476-008BMS | 2 | Sample Matrix Spike Run: IC2-C_110419A | | | | | | | | 04/20/11 04:53 |
| Chloride | | 319 | mg/L | 1.0 | | 80 | 120 | | | A |
| Sulfate | | 282 | mg/L | 4.0 | 101 | 80 | 120 | | | |
| Sample ID: C11040476-008BMSD | 2 | Sample Matrix Spike Duplicate Run: IC2-C_110419A | | | | | | | | 04/20/11 05:08 |
| Chloride | | 318 | mg/L | 1.0 | | 80 | 120 | 0.2 | 10 | A |
| Sulfate | | 282 | mg/L | 4.0 | 101 | 80 | 120 | 0.0 | 10 | |
| Method: E300.0 Analytical Run: IC2-C_110421A | | | | | | | | | | |
| Sample ID: ICV | | Initial Calibration Verification Standard | | | | | | | | 04/21/11 20:21 |
| Chloride | | 9.95 | mg/L | 1.0 | 99 | 90 | 110 | | | |
| Sample ID: ICB2-110421 | | Initial Calibration Blank, Instrument Blank | | | | | | | | 04/21/11 21:23 |
| Chloride | | 0.0210 | mg/L | 1.0 | | 0 | 0 | | | |
| Method: E300.0 Batch: R145093 | | | | | | | | | | |
| Sample ID: ICB-110421 | | Method Blank Run: IC2-C_110421A | | | | | | | | 04/21/11 20:37 |
| Chloride | | ND | mg/L | 1.0 | | | | | | |
| Sample ID: LFB-110421 | | Laboratory Fortified Blank Run: IC2-C_110421A | | | | | | | | 04/21/11 20:52 |
| Chloride | | 9.67 | mg/L | 1.0 | 97 | 90 | 110 | | | |
| Sample ID: LFBD-110421 | | Laboratory Fortified Blank Duplicate Run: IC2-C_110421A | | | | | | | | 04/21/11 21:07 |
| Chloride | | 9.72 | mg/L | 1.0 | 97 | 90 | 110 | | | |
| Sample ID: C11040476-004BMS | | Sample Matrix Spike Run: IC2-C_110421A | | | | | | | | 04/22/11 02:16 |
| Chloride | | 399 | mg/L | 2.0 | 81 | 80 | 120 | | | |
| Sample ID: C11040476-004BMSD | | Sample Matrix Spike Duplicate Run: IC2-C_110421A | | | | | | | | 04/22/11 02:31 |
| Chloride | | 398 | mg/L | 2.0 | 81 | 80 | 120 | 0.2 | 10 | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 06/13/11

Project: Marsland Baseline Samples

Work Order: C11040476

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|------|------|-----------|------------|-----|----------|---------------------------------------|
| Method: E353.2 | | | | | | | | | | Batch: R144868 |
| Sample ID: MBLK-1 | | Method Blank | | | | | | | | Run: TECHNICON_110415B 04/15/11 14:34 |
| Nitrogen, Nitrate+Nitrite as N | | ND | mg/L | 0.10 | | | | | | |
| Sample ID: LCS-2 | | Laboratory Control Sample | | | | | | | | Run: TECHNICON_110415B 04/15/11 14:36 |
| Nitrogen, Nitrate+Nitrite as N | | 2.51 | mg/L | 0.10 | 100 | 90 | 110 | | | |
| Sample ID: C11040470-002CMS | | Sample Matrix Spike | | | | | | | | Run: TECHNICON_110415B 04/15/11 16:09 |
| Nitrogen, Nitrate+Nitrite as N | | 2.14 | mg/L | 0.10 | 102 | 90 | 110 | | | |
| Sample ID: C11040470-002CMSD | | Sample Matrix Spike Duplicate | | | | | | | | Run: TECHNICON_110415B 04/15/11 16:11 |
| Nitrogen, Nitrate+Nitrite as N | | 1.96 | mg/L | 0.10 | 92 | 90 | 110 | 8.8 | 10 | |
| Method: E353.2 | | | | | | | | | | Batch: R144900 |
| Sample ID: MBLK-1 | | Method Blank | | | | | | | | Run: TECHNICON_110418A 04/18/11 12:24 |
| Nitrogen, Nitrate+Nitrite as N | | ND | mg/L | 0.10 | | | | | | |
| Sample ID: LCS-2 | | Laboratory Control Sample | | | | | | | | Run: TECHNICON_110418A 04/18/11 12:27 |
| Nitrogen, Nitrate+Nitrite as N | | 2.58 | mg/L | 0.10 | 103 | 90 | 110 | | | |
| Sample ID: C11040476-007GMS | | Sample Matrix Spike | | | | | | | | Run: TECHNICON_110418A 04/18/11 12:42 |
| Nitrogen, Nitrate+Nitrite as N | | 2.09 | mg/L | 0.10 | 107 | 90 | 110 | | | |
| Sample ID: C11040476-007GMSD | | Sample Matrix Spike Duplicate | | | | | | | | Run: TECHNICON_110418A 04/18/11 12:44 |
| Nitrogen, Nitrate+Nitrite as N | | 2.11 | mg/L | 0.10 | 108 | 90 | 110 | 1.0 | 10 | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples

Report Date: 06/13/11
Work Order: C11040476

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|------------------------------|-------|-------------------------------|-------|------|------|-----------------------------|------------|----------------|-------------------|------|
| Method: E903.0 | | | | | | | | | Batch: RA226-5305 | |
| Sample ID: C11040476-001DMS | | Sample Matrix Spike | | | | Run: BERTHOLD 770-1_110422A | | 05/02/11 12:53 | | |
| Radium 226 | | 23 | pCi/L | | 99 | 70 | 130 | | | |
| Sample ID: C11040476-001DMSD | | Sample Matrix Spike Duplicate | | | | Run: BERTHOLD 770-1_110422A | | 05/02/11 12:53 | | |
| Radium 226 | | 22 | pCi/L | | 97 | 70 | 130 | 1.7 | 20.7 | |
| Sample ID: C11040601-001EDUP | 3 | Sample Duplicate | | | | Run: BERTHOLD 770-1_110422A | | 05/02/11 14:28 | | |
| Radium 226 | | 24 | pCi/L | | | | | 4.8 | 17.1 | |
| Radium 226 precision (±) | | 0.86 | pCi/L | | | | | | | |
| Radium 226 MDC | | 0.11 | pCi/L | | | | | | | |
| Sample ID: MB-RA226-5305 | 3 | Method Blank | | | | Run: BERTHOLD 770-1_110422A | | 05/02/11 14:28 | | |
| Radium 226 | | ND | pCi/L | 0.10 | | | | | | U |
| Radium 226 precision (±) | | 0.050 | pCi/L | | | | | | | |
| Radium 226 MDC | | 0.12 | pCi/L | | | | | | | |
| Sample ID: LCS-RA226-5305 | | Laboratory Control Sample | | | | Run: BERTHOLD 770-1_110422A | | 05/02/11 14:28 | | |
| Radium 226 | | 6.0 | pCi/L | | 97 | 85 | 115 | | | |
| Method: E903.0 | | | | | | | | | Batch: RA226-5379 | |
| Sample ID: C11050695-001DMS | | Sample Matrix Spike | | | | Run: BERTHOLD 770-1_110524A | | 05/31/11 17:25 | | |
| Radium 226 | | 5.90 | pCi/L | | 91 | 70 | 130 | | | |
| Sample ID: C11050695-001DMSD | | Sample Matrix Spike Duplicate | | | | Run: BERTHOLD 770-1_110524A | | 05/31/11 17:25 | | |
| Radium 226 | | 5.87 | pCi/L | | 90 | 70 | 130 | 0.6 | 27.7 | |
| Sample ID: MB-RA226-5379 | 3 | Method Blank | | | | Run: BERTHOLD 770-1_110524A | | 05/31/11 23:45 | | |
| Radium 226 | | ND | pCi/L | 0.10 | | | | | | U |
| Radium 226 precision (±) | | 0.071 | pCi/L | | | | | | | |
| Radium 226 MDC | | 0.15 | pCi/L | | | | | | | |
| Sample ID: LCS-RA226-5379 | | Laboratory Control Sample | | | | Run: BERTHOLD 770-1_110524A | | 05/31/11 23:45 | | |
| Radium 226 | | 6.7 | pCi/L | | 106 | 85 | 115 | | | |
| Method: E903.0 | | | | | | | | | Batch: 29614 | |
| Sample ID: C11040326-005HMS | | Sample Matrix Spike | | | | Run: BERTHOLD 770-2_110422A | | 05/02/11 21:53 | | |
| Radium 226 | | 12 | pCi/L | | 109 | 70 | 130 | | | |
| Sample ID: C11040326-005HMSD | | Sample Matrix Spike Duplicate | | | | Run: BERTHOLD 770-2_110422A | | 05/02/11 21:53 | | |
| Radium 226 | | 12 | pCi/L | | 113 | 70 | 130 | 0.8 | 24.5 | |
| Sample ID: LCS-29614 | | Laboratory Control Sample | | | | Run: BERTHOLD 770-2_110422A | | 05/03/11 02:01 | | |
| Radium 226 | | 13 | pCi/L | | 111 | 85 | 115 | | | |
| Sample ID: MB-29614 | 3 | Method Blank | | | | Run: BERTHOLD 770-2_110422A | | 05/03/11 02:01 | | |
| Radium 226 | | ND | pCi/L | 0.10 | | | | | | U |
| Radium 226 precision (±) | | 0.096 | pCi/L | | | | | | | |
| Radium 226 MDC | | 0.24 | pCi/L | | | | | | | |

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples

Report Date: 06/13/11
Work Order: C11040476

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|--------|-------|----|---------------------------|-----------|-----------------------------|-----|-------------------|------|
| Method: E903.0 | | | | | | | | | Batch: RA226-5384 | |
| Sample ID: C11050675-001HDUP | | | | 3 | Sample Duplicate | | Run: BERTHOLD 770-2_110525A | | 05/31/11 17:25 | |
| Radium 226 | | -0.041 | pCi/L | | | | | 150 | 379.3 | U |
| Radium 226 precision (±) | | 0.047 | pCi/L | | | | | | | |
| Radium 226 MDC | | 0.11 | pCi/L | | | | | | | |
| Sample ID: C11050696-001DMS | | | | | Sample Matrix Spike | | Run: BERTHOLD 770-2_110525A | | 05/31/11 17:25 | |
| Radium 226 | | 20 | pCi/L | | 98 | 70 | 130 | | | |
| Sample ID: LCS-29928 | | | | | Laboratory Control Sample | | Run: BERTHOLD 770-2_110525A | | 05/31/11 17:25 | |
| Radium 226 | | 12 | pCi/L | | 102 | 85 | 115 | | | |
| Sample ID: MB-29928 | | | | 3 | Method Blank | | Run: BERTHOLD 770-2_110525A | | 05/31/11 17:25 | |
| Radium 226 | | ND | pCi/L | | 0.10 | | | | | U |
| Radium 226 precision (±) | | 0.11 | pCi/L | | | | | | | |
| Radium 226 MDC | | 0.28 | pCi/L | | | | | | | |

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples

Report Date: 06/13/11
Work Order: C11040476

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|--------------------------------------|-------|-------------------------------|-------|-------|------|-----------|------------------------|-----|----------|-----------------------|
| Method: E908.0 | | | | | | | | | | Batch: R145601 |
| Sample ID: C11040476-010HMS | | Sample Matrix Spike | | | | | Run: EGG-ORTEC_110502A | | | 05/05/11 14:45 |
| Thorium 230 | | 9.0 | pCi/L | | 102 | 70 | 130 | | | |
| Sample ID: C11040476-010HMSD | | Sample Matrix Spike Duplicate | | | | | Run: EGG-ORTEC_110502A | | | 05/05/11 14:45 |
| Thorium 230 | | 10 | pCi/L | | 114 | 70 | 130 | 12 | | 47.8 |
| Sample ID: LCS-29614 | | Laboratory Control Sample | | | | | Run: EGG-ORTEC_110502A | | | 05/05/11 14:45 |
| Thorium 230 | | 11 | pCi/L | | 119 | 70 | 130 | | | |
| Sample ID: MB-29614 | 3 | Method Blank | | | | | Run: EGG-ORTEC_110502A | | | 05/05/11 14:45 |
| Thorium 230 | | ND | pCi/L | 0.090 | | | | | | U |
| Thorium 230 precision (\pm) | | 0.17 | pCi/L | | | | | | | |
| Thorium 230 MDC | | 0.28 | pCi/L | | | | | | | |
| Method: E908.0 | | | | | | | | | | Batch: RA-TH-ISO-1381 |
| Sample ID: LCS-RA-TH-ISO-1381 | | Laboratory Control Sample | | | | | Run: EGG-ORTEC_110505A | | | 05/09/11 14:40 |
| Thorium 230 | | 5.6 | pCi/L | | 100 | 70 | 130 | | | |
| Sample ID: C11040476-009DMS | | Sample Matrix Spike | | | | | Run: EGG-ORTEC_110505A | | | 05/10/11 13:01 |
| Thorium 230 | | 12 | pCi/L | | 97 | 70 | 130 | | | |
| Sample ID: C11040476-009DMSD | | Sample Matrix Spike Duplicate | | | | | Run: EGG-ORTEC_110505A | | | 05/10/11 13:01 |
| Thorium 230 | | 11 | pCi/L | | 87 | 70 | 130 | 8.1 | | 37.6 |
| Sample ID: MB-RA-TH-ISO-1381 | 3 | Method Blank | | | | | Run: EGG-ORTEC_110505A | | | 05/10/11 13:01 |
| Thorium 230 | | ND | pCi/L | 0.090 | | | | | | U |
| Thorium 230 precision (\pm) | | 0.087 | pCi/L | | | | | | | |
| Thorium 230 MDC | | 0.19 | pCi/L | | | | | | | |

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples

Report Date: 06/13/11
Work Order: C11040476

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|------------------------------|-------|-------------------------------|-------|------|------|-----------------|------------|----------------------|----------------|------|
| Method: E909.0 | | | | | | | | Batch: T_PB-210-0104 | | |
| Sample ID: T11040111-001DMSD | | Sample Matrix Spike Duplicate | | | | Run: SUB-T40681 | | | 05/31/11 16:39 | |
| Lead 210 | | 140 | pCi/L | | 101 | 70 | 130 | 7.6 | 16 | |
| Sample ID: T11040111-001DMS | | Sample Matrix Spike | | | | Run: SUB-T40681 | | | 05/31/11 14:28 | |
| Lead 210 | | 130 | pCi/L | | 92 | 70 | 130 | | | |
| Sample ID: LCS-PB-210-0104 | | Laboratory Control Sample | | | | Run: SUB-T40681 | | | 05/31/11 03:31 | |
| Lead 210 | | 53 | pCi/L | | 100 | 70 | 130 | | | |
| Sample ID: MB-PB-210-0104 | 3 | Method Blank | | | | Run: SUB-T40681 | | | 05/31/11 01:19 | |
| Lead 210 | | ND | pCi/L | 0.80 | | | | | | U |
| Lead 210 precision (±) | | 0.95 | pCi/L | | | | | | | |
| Lead 210 MDC | | 1.6 | pCi/L | | | | | | | |
| Method: E909.0 | | | | | | | | Batch: T_13823 | | |
| Sample ID: T11040082-001HMSD | | Sample Matrix Spike Duplicate | | | | Run: SUB-T40682 | | | 05/22/11 20:05 | |
| Lead 210 | | 81 | pCi/L | | 86 | 70 | 130 | 6.3 | 16 | |
| Sample ID: MB-13823 | 3 | Method Blank | | | | Run: SUB-T40682 | | | 05/22/11 11:19 | |
| Lead 210 | | 1.3 | pCi/L | 0.80 | | | | | | U |
| Lead 210 precision (±) | | 5.6 | pCi/L | | | | | | | |
| Lead 210 MDC | | 9.4 | pCi/L | | | | | | | |
| Sample ID: LCS-13823 | | Laboratory Control Sample | | | | Run: SUB-T40682 | | | 05/22/11 13:31 | |
| Lead 210 | | 260 | pCi/L | | 73 | 70 | 130 | | | |
| Sample ID: T11040082-001HMS | | Sample Matrix Spike | | | | Run: SUB-T40682 | | | 05/22/11 17:54 | |
| Lead 210 | | 86 | pCi/L | | 93 | 70 | 130 | | | |

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 06/13/11

Project: Marsland Baseline Samples

Work Order: C11040476

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------------------------------|--------|-------|------|------|------------------------|------------|-----|----------|-------------------|
| Method: E912.0 | | | | | | | | | | Batch: 29614 |
| Sample ID: C11040476-010HMS | Sample Matrix Spike | | | | | Run: EGG-ORTEC_110503D | | | | 05/06/11 08:47 |
| Polonium 210 | | 6.3 | pCi/L | | 117 | 70 | 130 | | | |
| Sample ID: C11040476-010HMSD | Sample Matrix Spike Duplicate | | | | | Run: EGG-ORTEC_110503D | | | | 05/06/11 08:47 |
| Polonium 210 | | 5.6 | pCi/L | | 103 | 70 | 130 | 13 | | 62.3 |
| Sample ID: LCS-29614 | Laboratory Control Sample | | | | | Run: EGG-ORTEC_110503D | | | | 05/06/11 08:47 |
| Polonium 210 | | 28 | pCi/L | | 91 | 70 | 130 | | | |
| Sample ID: MB-29614 | 3 Method Blank | | | | | Run: EGG-ORTEC_110503D | | | | 05/06/11 11:02 |
| Polonium 210 | | 0.23 | pCi/L | 0.20 | | | | | | U |
| Polonium 210 precision (\pm) | | 1.4 | pCi/L | | | | | | | |
| Polonium 210 MDC | | 3.0 | pCi/L | | | | | | | |
| Method: E912.0 | | | | | | | | | | Batch: PO210-0368 |
| Sample ID: C11040504-002DMS | Sample Matrix Spike | | | | | Run: EGG-ORTEC_110505B | | | | 05/06/11 11:04 |
| Polonium 210 | | 14 | pCi/L | | 107 | 70 | 130 | | | |
| Sample ID: C11040504-002DMSD | Sample Matrix Spike Duplicate | | | | | Run: EGG-ORTEC_110505B | | | | 05/06/11 11:04 |
| Polonium 210 | | 11 | pCi/L | | 88 | 70 | 130 | 19 | | 73.6 |
| Sample ID: MB-PO210-0368 | 3 Method Blank | | | | | Run: EGG-ORTEC_110505B | | | | 05/06/11 11:04 |
| Polonium 210 | | ND | pCi/L | 0.20 | | | | | | U |
| Polonium 210 precision (\pm) | | 0.33 | pCi/L | | | | | | | |
| Polonium 210 MDC | | 0.74 | pCi/L | | | | | | | |
| Sample ID: LCS-PO210-0368 | Laboratory Control Sample | | | | | Run: EGG-ORTEC_110505B | | | | 05/06/11 13:17 |
| Polonium 210 | | 5.1 | pCi/L | | 80 | 70 | 130 | | | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

U - Not detected at minimum detectable concentration



Workorder Receipt Checklist



C11040476

Login completed by: Corinne Wagner

Date Received: 4/14/2011

Reviewed by: BL2000\lemcpike

Received by: ckw

Reviewed Date: 4/19/2011

Carrier Ground
name:

| | | | |
|---|---|-----------------------------|--|
| Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Container/Temp Blank temperature: | 7.2°C On Ice | | |
| Water - VOA vials have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | No VOA vials submitted <input checked="" type="checkbox"/> |
| Water - pH acceptable upon receipt? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Applicable <input type="checkbox"/> |

Contact and Corrective Action Comments:

Samples filtered and preserved in the laboratory for dissolved radionuclides.



Chain of Custody and Analytical Request Record

Page 1 of 1

PLEASE PRINT- Provide as much information as possible.

| | | | | | | | | | | | | | | | |
|---|--|---|--|---|--------|-------------------------------------|--------------------|--|---|-------------------------------|---------------------------|---|------------------------|--|---|
| Company Name: Crow Butte Resources, Inc. | | | Project Name Marsland Baseline Samples | | | Sample Origin State: | | | EPA/State Compliance: Yes <input type="checkbox"/> No <input type="checkbox"/> | | | | | | |
| Report Mail Address: P.O. Box 169 Crawford, NE 69339 | | | Contact Name: Larry Teahon | | | Phone/Fax: 308-665-2341 | | | Email: daxmynus@msn.com | | | Sampler: (Please Print) Brooke Bass Rhonda Pelton | | | |
| Invoice Address: P.O. Box 169 Crawford, NE 69339 | | | Invoice Contact & Phone: Larry Teahon 308-665-2215 ext 114 | | | | | | Purchase Order: 1125 | | | Quote/Bottle Order: | | | |
| Special Report/Formats – ELI must be notified prior to sample submittal for the following: <input type="checkbox"/> DW <input type="checkbox"/> A2LA <input type="checkbox"/> GSA <input type="checkbox"/> EDD/EDT (Electronic Data) <input type="checkbox"/> POTW/WWTP <input type="checkbox"/> Format: _____ <input type="checkbox"/> State: _____ <input type="checkbox"/> LEVEL IV <input type="checkbox"/> Other: _____ <input type="checkbox"/> NELAC | | | | ANALYSIS REQUESTED Number of Containers: _____ Sample Type: A W S V B O Air Water Soils/Solids Vegetation Bioassay Other | | | | SEE ATTACHED Normal Turnaround (TAT) | | RUSH | | Contact ELI prior to RUSH sample submittal for charges and scheduling – See Instruction Page | | Shipped by: UPS C&D | |
| | | | | | | | | | | | | Comments: NDEQ parameters for baseline sampling. Report on separate sheets. Analyze as per WDEQ Guideline 8 and NRC Reg. Guide 4.14 requirements. Record U as mg/L and µCi/ml and radiometrics as pCi/L. | | Cooler ID(s): VANCELO | |
| SAMPLE IDENTIFICATION (Name, Location, Interval, etc.) | | | Collection Date | Collection Time | MATRIX | HNO3-F, Metals | RAW-F, Common Ions | RAW-UF, Alkalinity | H2SO4-F, NO2, NO3, NH4 | Raw-UF, Ra226, Po210 dis, sus | Raw-UF, Pb210 dis and sus | Raw-UF, Th230, U-nat dis and sus | Receipt Temp 7.2 °C | On Ice: <input checked="" type="radio"/> Yes <input type="radio"/> No | Custody Seal Y <input checked="" type="radio"/> N |
| 1 Monitor 1 | | | 4/11/11 | | Water | .5 | 1 | 1 | .5 | 1 | 1 | 1 | Please report 5/20/11 | | |
| 2 Monitor 2 | | | 4/11/11 | | Water | .5 | 1 | 1 | .5 | 1 | 1 | 1 | Please report 5/20/11 | | |
| 3 Monitor 4A | | | 4/11/11 | | Water | .5 | 1 | 1 | .5 | 1 | 1 | 1 | Please report 5/20/11 | | |
| 4 Monitor 5 | | | 4/11/11 | | Water | .5 | 1 | 1 | .5 | 1 | 1 | 1 | Please report 5/20/11 | | |
| 5 Monitor 6 | | | 4/11/11 | | Water | .5 | 1 | 1 | .5 | 1 | 1 | 1 | Please report 5/20/11 | | |
| 6 Monitor 7 | | | 4/11/11 | | Water | .5 | 1 | 1 | .5 | 1 | 1 | 1 | Please report 5/20/11 | | |
| 7 Monitor 8 | | | 4/11/11 | | Water | .5 | 1 | 1 | .5 | 1 | 1 | 1 | Please report 5/20/11 | | |
| 8 Monitor 9 | | | 4/11/11 | | Water | .5 | 1 | 1 | .5 | 1 | 1 | 1 | Please report 5/20/11 | | |
| 9 Monitor 10 | | | 4/11/11 | | Water | .5 | 1 | 1 | .5 | 1 | 1 | 1 | Please report 5/20/11 | | |
| 10 Monitor 11 | | | 4/11/11 | | Water | .5 | 1 | 1 | .5 | 1 | 1 | 1 | Please report 5/20/11 | | |
| Custody Record MUST be Signed | | Relinquished by (print): Rhonda Pelton | | Date/Time: 4-12-11 9:57 | | Signature: Rhonda Pelton | | Received by (print): UPS | | Date/Time: 4-14-11 930 | | Signature: | | | |
| | | Relinquished by (print): | | Date/Time: | | Signature: | | Received by (print): | | Date/Time: | | Signature: | | | |
| | | Sample Disposal: Return to Client: No | | Lab Disposal: YES | | Received by Laboratory: C. Wagon | | Date/Time: 4-14-11 930 | | Signature: | | | | | |

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested.

This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report.

Visit our web site at www.energielab.com for additional information, downloadable fee schedule, forms, and links.

CROW BUTTE RESOURCES, INC.
CROW BUTTE PROJECTNO₂⁻DATE: 4/12/11

ANALYST: _____

STANDARD CURVE DATA

| | | | | | | | |
|------------------------------|----|------|------|------|--|--|--|
| NO ₂ ⁻ | BL | 0.01 | 0.05 | 0.1 | | | |
| Abs | 0 | .035 | .176 | .347 | | | |
| Abs | | | | | | | |

| SAMPLE # | VOLUME | Df | Abs | NO ₂ ⁻ mg/L |
|-------------------|--------|----|-------|-----------------------------------|
| 1 Monitor 1 | 10 ml | 1 | 0.004 | <0.01 |
| 2 Monitor 2 | 10 ml | 1 | 0.008 | <0.01 |
| 3 Monitor 4A | 10 ml | 1 | 0.000 | <0.01 |
| 4 Monitor 5 | 10 ml | 1 | 0.002 | <0.01 |
| 5 Monitor 6 | 10 ml | 1 | 0.005 | <0.01 |
| Dup | | | | |
| 6 Monitor 7 | 10 ml | 1 | 0.002 | <0.01 |
| 7 Monitor 8 | 10 ml | 1 | 0.001 | <0.01 |
| 8 Monitor 9 | 10 ml | 1 | 0.002 | <0.01 |
| 9 Monitor 10 | 10 ml | 1 | 0.002 | <0.01 |
| 10 Monitor 11 | 10 ml | 1 | 0.003 | <0.01 |
| Dup | | | | |
| 11 Monitor 4A Dup | 10 ml | 1 | 0.000 | <0.01 |
| 12 Monitor 7 Dup | 10 ml | 1 | 0.003 | <0.01 |
| 13 Monitor 10 Dup | 10 ml | 1 | 0.002 | <0.01 |
| 14 | | | | |
| 15 | | | | |
| Dup | | | | |
| 16 | | | | |
| 17 | | | | |
| 18 | | | | |
| 19 | | | | |
| 20 | | | | |
| Dup | | | | |
| 21 | | | | |
| 22 | | | | |
| 23 | | | | |
| 24 | | | | |
| 25 | | | | |
| Dup | | | | |



ANALYTICAL SUMMARY REPORT

June 15, 2011

Crow Butte Resources
86 Crow Butte Rd
Crawford, NE 69339

Workorder No.: C11040429 Quote ID: C1125 - Crow Butte Uranium

Project Name: Marsland Baseline Samples

Energy Laboratories, Inc. Casper WY received the following 3 samples for Crow Butte Resources on 4/13/2011 for analysis.

| Sample ID | Client Sample ID | Collect Date | Receive Date | Matrix | Test |
|---------------|-------------------------------|----------------|--------------|---------|--|
| C11040429-001 | N1 (Niobrara River West Side) | 04/08/11 00:00 | 04/13/11 | Aqueous | Metals by ICP/ICPMS, Dissolved Sample Filtering Lead 210, Dissolved Polonium 210, Dissolved Radium 226, Dissolved Thorium, Isotopic |
| C11040429-002 | N2 (Niobrara River East Side) | 04/08/11 00:00 | 04/13/11 | Aqueous | Same As Above |
| C11040429-003 | Well #747 Manning | 04/08/11 00:00 | 04/13/11 | Aqueous | Metals by ICP/ICPMS, Dissolved Alkalinity QA Calculations Conductivity Sample Filtering Fluoride E300.0 Anions Uranium, Suspended Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Digestion, Total Metals Lead 210, Dissolved Lead 210, Suspended Polonium 210, Dissolved Polonium 210, Suspended Radium 226, Dissolved Radium 226, Suspended Thorium, Isotopic Thorium, Suspended Isotopic Solids, Total Dissolved |

This report was prepared by Energy Laboratories, Inc., 2393 Salt Creek Hwy., Casper, WY 82601. Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

The results as reported relate only to the item(s) submitted for testing.

If you have any questions regarding these test results, please call.

Report Approved By:



CLIENT: Crow Butte Resources
Project: Marsland Baseline Samples
Sample Delivery Group: C11040429

Report Date: 06/15/11

CASE NARRATIVE

PB210 ANALYSIS

The MDC for Pb-210 per RG 4.14 is 1 pCi/L. The current technique can achieve an MDC of about 2 pCi/L to 5 pCi/L if we have sufficient sample to process 1.0 L. This is reported on a sample specific basis. Please consult with your local regulatory agency prior to using these results for compliance purposes.

RADIOCHEMISTRY ANALYSIS

Per client request, results less than MDC (or precision if no MDC), are reported as <MDC (or <precision). Actual instrument results are available by request.

BRANCH LABORATORY SUBCONTRACT ANALYSIS

Tests associated with analyst identified as ELI-CS were subcontracted to Energy Laboratories, 415 Graham Rd., College Station, TX, EPA Number TX01520.

PRPE COMMENTS

The prep hold time for the Filtration of metals was exceeded by up to 3.33 days.

ORIGINAL SAMPLE SUBMITTAL(S)

All original sample submittals have been returned with the data package.

SAMPLE TEMPERATURE COMPLIANCE: 4°C (±2°C)

Temperature of samples received may not be considered properly preserved by accepted standards. Samples that are hand delivered immediately after collection shall be considered acceptable if there is evidence that the chilling process has begun.

GROSS ALPHA ANALYSIS

Method 900.0 for gross alpha and gross beta is intended as a drinking water method for low TDS waters. Data provided by this method for non potable waters should be viewed as inconsistent.

SOIL/SOLID SAMPLES

All samples reported on an as received basis unless otherwise indicated.

SUBCONTRACTING ANALYSIS

Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.

BRANCH LABORATORY LOCATIONS

eli-b - Energy Laboratories, Inc. - Billings, MT
eli-g - Energy Laboratories, Inc. - Gillette, WY
eli-h - Energy Laboratories, Inc. - Helena, MT
eli-r - Energy Laboratories, Inc. - Rapid City, SD
eli-t - Energy Laboratories, Inc. - College Station, TX

CERTIFICATIONS:

USEPA: WY00002; FL-DOH NELAC: E87641; California: 02118CA
Oregon: WY200001; Utah: 3072350515; Virginia: 00057; Washington: C1903

ISO 17025 DISCLAIMER:

The results of this Analytical Report relate only to the items submitted for analysis.

ENERGY LABORATORIES, INC. - CASPER, WY certifies that certain method selections contained in this report meet requirements as set forth by the above accrediting authorities. Some results requested by the client may not be covered under these certifications. All analysis data to be submitted for regulatory enforcement should be certified in the sample state of origin. Please verify ELI's certification coverage by visiting www.energylab.com

ELI appreciates the opportunity to provide you with this analytical service. For additional information and services visit our web page www.energylab.com.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11040429-001
Client Sample ID: N1 (Niobrara River West Side)

Report Date: 06/15/11
Collection Date: 04/08/11
Date Received: 04/13/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|------------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0104 | mg/L | | 0.0003 | | E200.8 | 04/14/11 22:28 / sml |
| Uranium, Activity | 7.0E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 04/14/11 22:28 / sml |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <1.6 | pCi/L | U | 1.6 | | E909.0 | 05/31/11 12:16 / eli-cs |
| Lead 210 precision (±) | 1 | pCi/L | | | | E909.0 | 05/31/11 12:16 / eli-cs |
| Lead 210 MDC | 1.6 | pCi/L | | | | E909.0 | 05/31/11 12:16 / eli-cs |
| Polonium 210 | <0.5 | pCi/L | U | 0.5 | | E912.0 | 05/09/11 09:06 / ep |
| Polonium 210 precision (±) | 0.4 | pCi/L | | | | E912.0 | 05/09/11 09:06 / ep |
| Polonium 210 MDC | 0.5 | pCi/L | | | | E912.0 | 05/09/11 09:06 / ep |
| Radium 226 | 0.2 | pCi/L | | 0.1 | | E903.0 | 05/02/11 11:18 / trs |
| Radium 226 precision (±) | 0.09 | pCi/L | | | | E903.0 | 05/02/11 11:18 / trs |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 05/02/11 11:18 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 05/10/11 08:42 / dmf |
| Thorium 230 precision (±) | 0.1 | pCi/L | | | | E908.0 | 05/10/11 08:42 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 05/10/11 08:42 / dmf |

- See Case Narrative regarding Pb210 analysis.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



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LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11040429-002
Client Sample ID: N2 (Niobrara River East Side)

Report Date: 06/15/11
Collection Date: 04/08/11
Date Received: 04/13/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|------------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0088 | mg/L | | 0.0003 | | E200.8 | 04/14/11 22:35 / sml |
| Uranium, Activity | 5.9E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 04/14/11 22:35 / sml |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 05/31/11 18:50 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 05/31/11 18:50 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 05/31/11 18:50 / eli-cs |
| Polonium 210 | <0.6 | pCi/L | U | 0.6 | | E912.0 | 05/09/11 09:06 / ep |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 05/09/11 09:06 / ep |
| Polonium 210 MDC | 0.6 | pCi/L | | | | E912.0 | 05/09/11 09:06 / ep |
| Radium 226 | <0.1 | pCi/L | U | 0.1 | | E903.0 | 05/02/11 11:18 / trs |
| Radium 226 precision (±) | 0.04 | pCi/L | | | | E903.0 | 05/02/11 11:18 / trs |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 05/02/11 11:18 / trs |
| Thorium 230 | <0.8 | pCi/L | U | 0.8 | | E908.0 | 06/01/11 13:22 / dmf |
| Thorium 230 precision (±) | 0.4 | pCi/L | | | | E908.0 | 06/01/11 13:22 / dmf |
| Thorium 230 MDC | 0.8 | pCi/L | | | | E908.0 | 06/01/11 13:22 / dmf |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11040429-003
Client Sample ID: Well #747 Manning

Report Date: 06/15/11
Collection Date: 04/08/11
Date Received: 04/13/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|------------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 134 | mg/L | | 1 | | A2320 B | 04/14/11 15:10 / jba |
| Carbonate as CO ₃ | ND | mg/L | | 1 | | A2320 B | 04/14/11 15:10 / jba |
| Bicarbonate as HCO ₃ | 164 | mg/L | | 1 | | A2320 B | 04/14/11 15:10 / jba |
| Calcium | 33 | mg/L | | 1 | | E200.7 | 04/25/11 15:32 / cp |
| Chloride | 3 | mg/L | | 1 | | E300.0 | 04/19/11 18:20 / ljl |
| Fluoride | 1.0 | mg/L | | 0.1 | | A4500-F C | 04/18/11 07:58 / jba |
| Magnesium | 7 | mg/L | | 1 | | E200.7 | 04/25/11 15:32 / cp |
| Nitrogen, Ammonia as N | ND | mg/L | | 0.05 | | A4500-NH ₃ G | 04/21/11 15:38 / dc |
| Nitrogen, Nitrate+Nitrite as N | 0.7 | mg/L | | 0.1 | | E353.2 | 04/15/11 14:41 / dc |
| Potassium | 3 | mg/L | | 1 | | E200.7 | 04/25/11 15:32 / cp |
| Silica | 82.6 | mg/L | | 0.2 | | E200.7 | 04/25/11 15:32 / cp |
| Sodium | 17 | mg/L | | 1 | | E200.7 | 04/25/11 15:32 / cp |
| Sulfate | 6 | mg/L | | 1 | | E300.0 | 04/19/11 18:20 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 276 | umhos/cm | | 1 | | A2510 B | 04/14/11 14:36 / lmc |
| pH | 8.02 | s.u. | | 0.01 | | A4500-H B | 04/14/11 14:36 / lmc |
| Solids, Total Dissolved TDS @ 180 C | 218 | mg/L | | 10 | | A2540 C | 04/14/11 16:09 / lr |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.8 | 04/15/11 06:42 / sml |
| Arsenic | 0.005 | mg/L | | 0.001 | | E200.8 | 04/15/11 06:42 / sml |
| Barium | ND | mg/L | | 0.1 | | E200.8 | 04/15/11 06:42 / sml |
| Boron | ND | mg/L | | 0.1 | | E200.8 | 04/15/11 06:42 / sml |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 04/15/11 06:42 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 04/15/11 06:42 / sml |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 04/15/11 06:42 / sml |
| Iron | ND | mg/L | | 0.03 | | E200.8 | 04/15/11 06:42 / sml |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 04/15/11 06:42 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 04/15/11 06:42 / sml |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 04/15/11 06:42 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.7 | 04/25/11 15:32 / cp |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 04/15/11 06:42 / sml |
| Selenium | 0.002 | mg/L | | 0.001 | | E200.8 | 04/15/11 06:42 / sml |
| Uranium | 0.0064 | mg/L | | 0.0003 | | E200.8 | 04/15/11 06:42 / sml |
| Uranium, Activity | 4.3E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 04/15/11 06:42 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 04/15/11 06:42 / sml |
| Zinc | 0.04 | mg/L | | 0.01 | | E200.8 | 04/15/11 06:42 / sml |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 04/21/11 14:06 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 04/21/11 14:06 / sml |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11040429-003
Client Sample ID: Well #747 Manning

Report Date: 06/15/11
Collection Date: 04/08/11
Date Received: 04/13/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|------------|-----|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 05/31/11 21:02 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 05/31/11 21:02 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 05/31/11 21:02 / eli-cs |
| Polonium 210 | <0.5 | pCi/L | U | 0.5 | | E912.0 | 05/09/11 09:06 / ep |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 05/09/11 09:06 / ep |
| Polonium 210 MDC | 0.5 | pCi/L | | | | E912.0 | 05/09/11 09:06 / ep |
| Radium 226 | <0.1 | pCi/L | U | 0.1 | | E903.0 | 05/02/11 11:18 / trs |
| Radium 226 precision (±) | 0.05 | pCi/L | | | | E903.0 | 05/02/11 11:18 / trs |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 05/02/11 11:18 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 05/10/11 08:42 / dmf |
| Thorium 230 precision (±) | 0.1 | pCi/L | | | | E908.0 | 05/10/11 08:42 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 05/10/11 08:42 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.9 | pCi/L | U | 0.9 | | E909.0 | 05/23/11 07:02 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 05/23/11 07:02 / eli-cs |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 05/23/11 07:02 / eli-cs |
| Polonium 210 | <0.3 | pCi/L | U | 0.3 | | E912.0 | 05/06/11 08:46 / ep |
| Polonium 210 precision (±) | 0.1 | pCi/L | | | | E912.0 | 05/06/11 08:46 / ep |
| Polonium 210 MDC | 0.3 | pCi/L | | | | E912.0 | 05/06/11 08:46 / ep |
| Radium 226 | <0.1 | pCi/L | U | 0.1 | | E903.0 | 05/02/11 21:53 / trs |
| Radium 226 precision (±) | 0.05 | pCi/L | | | | E903.0 | 05/02/11 21:53 / trs |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 05/02/11 21:53 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 05/04/11 15:26 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 05/04/11 15:26 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 05/04/11 15:26 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | -0.357 | % | | | | Calculation | 05/02/11 08:56 / kbh |
| Anions | 3.02 | meq/L | | | | Calculation | 05/02/11 08:56 / kbh |
| Cations | 3.00 | meq/L | | | | Calculation | 05/02/11 08:56 / kbh |
| Solids, Total Dissolved Calculated | 259 | mg/L | | | | Calculation | 05/02/11 08:56 / kbh |
| TDS Balance (0.80 - 1.20) | 0.840 | | | | | Calculation | 05/02/11 08:56 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples

Report Date: 06/15/11
Work Order: C11040429

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|--|-------|---------------------------|-------|-----|------|-----------|----------------------|-----|----------|----------------|
| Method: A2320 B | | | | | | | | | | Batch: R144833 |
| Sample ID: MBLK | 3 | Method Blank | | | | | Run: MANTECH_110414A | | | 04/14/11 14:47 |
| Alkalinity, Total as CaCO ₃ | | 2.66 | mg/L | 1.0 | | | | | | |
| Carbonate as CO ₃ | | ND | mg/L | 1.0 | | | | | | |
| Bicarbonate as HCO ₃ | | 3.24 | mg/L | 1.0 | | | | | | |
| Sample ID: LCS | | Laboratory Control Sample | | | | | Run: MANTECH_110414A | | | 04/14/11 15:03 |
| Alkalinity, Total as CaCO ₃ | | 208 | mg/L | 5.0 | 103 | 90 | 110 | | | |
| Sample ID: C11040429-003BDUP | | Sample Duplicate | | | | | Run: MANTECH_110414A | | | 04/14/11 15:18 |
| Alkalinity, Total as CaCO ₃ | | 135 | mg/L | 5.0 | | | | 0.7 | 10 | |
| Sample ID: C11040429-003BMS | | Sample Matrix Spike | | | | | Run: MANTECH_110414A | | | 04/14/11 15:27 |
| Alkalinity, Total as CaCO ₃ | | 266 | mg/L | 5.0 | 105 | 80 | 120 | | | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 06/15/11

Project: Marsland Baseline Samples

Work Order: C11040429

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|------------------------------|---|--------|----------|-----|------|--------------------------|-------------------------------------|-----|----------------|----------------|
| Method: A2510 B | | | | | | | Analytical Run: ORION555A-2_110414A | | | |
| Sample ID: ICV2_110414_1 | Initial Calibration Verification Standard | | | | | | | | | 04/14/11 14:21 |
| Conductivity @ 25 C | | 1380 | umhos/cm | 1.0 | 98 | 90 | 110 | | | |
| Method: A2510 B | | | | | | | Batch: 110414_1_PH-W_555A-2 | | | |
| Sample ID: MBLK1_110414_1 | Method Blank | | | | | Run: ORION555A-2_110414A | | | 04/14/11 14:18 | |
| Conductivity @ 25 C | | ND | umhos/cm | 1.0 | | | | | | |
| Sample ID: C11040437-005ADUP | Sample Duplicate | | | | | Run: ORION555A-2_110414A | | | 04/14/11 14:56 | |
| Conductivity @ 25 C | | 1340 | umhos/cm | 1.0 | | | | 0.0 | 10 | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 06/15/11

Project: Marsland Baseline Samples

Work Order: C11040429

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|---------------------------|-------|----|------|-----------|--------------------|-----|----------|----------------|
| Method: A2540 C | | | | | | | | | | Batch: R144872 |
| Sample ID: MBLK1_ | | Method Blank | | | | | Run: BAL-1_110414A | | | 04/14/11 16:07 |
| Solids, Total Dissolved TDS @ 180 C | | ND | mg/L | 10 | | | | | | |
| Sample ID: LCS1_ | | Laboratory Control Sample | | | | | Run: BAL-1_110414A | | | 04/14/11 16:07 |
| Solids, Total Dissolved TDS @ 180 C | | 1010 | mg/L | 10 | 101 | 90 | 110 | | | |
| Sample ID: C11040437-001ADUP | | Sample Duplicate | | | | | Run: BAL-1_110414A | | | 04/14/11 16:11 |
| Solids, Total Dissolved TDS @ 180 C | | 409 | mg/L | 10 | | | | 0.9 | 10 | |
| Sample ID: C11040456-001AMS | | Sample Matrix Spike | | | | | Run: BAL-1_110414A | | | 04/14/11 16:13 |
| Solids, Total Dissolved TDS @ 180 C | | 2290 | mg/L | 10 | 102 | 90 | 110 | | | |

Qualifiers:

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MDC - Minimum detectable concentration



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 06/15/11

Project: Marsland Baseline Samples

Work Order: C11040429

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|------|------|-----------|----------------------|-----|----------|----------------|
| Method: A4500-F C | | | | | | | | | | Batch: R144902 |
| Sample ID: MBLK | | Method Blank | | | | | Run: MANTECH_110418A | | | 04/18/11 07:44 |
| Fluoride | | ND | mg/L | 0.10 | | | | | | |
| Sample ID: LCS | | Laboratory Control Sample | | | | | Run: MANTECH_110418A | | | 04/18/11 07:47 |
| Fluoride | | 1.00 | mg/L | 0.10 | 98 | 90 | 110 | | | |
| Sample ID: C11040470-001AMS | | Sample Matrix Spike | | | | | Run: MANTECH_110418A | | | 04/18/11 08:31 |
| Fluoride | | 1.28 | mg/L | 0.10 | 96 | 80 | 120 | | | |
| Sample ID: C11040470-001AMSD | | Sample Matrix Spike Duplicate | | | | | Run: MANTECH_110418A | | | 04/18/11 08:35 |
| Fluoride | | 1.28 | mg/L | 0.10 | 96 | 80 | 120 | 0.0 | 10 | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 06/15/11

Project: Marsland Baseline Samples

Work Order: C11040429

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|------------------------------|-------|---|-------|-------|------|-----------|------------|-------------------------------------|----------|----------------|
| Method: A4500-H B | | | | | | | | Analytical Run: ORION555A-2_110414A | | |
| Sample ID: ICV1_110414_1 | | Initial Calibration Verification Standard | | | | | | | | 04/14/11 14:19 |
| pH | | 6.94 | s.u. | 0.010 | 101 | 98 | 102 | | | |
| Method: A4500-H B | | | | | | | | Batch: 110414_1_PH-W_555A-2 | | |
| Sample ID: C11040437-005ADUP | | Sample Duplicate | | | | | | | | 04/14/11 14:56 |
| pH | | 8.08 | s.u. | 0.010 | | | | 0.0 | 3 | |

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 06/15/11

Project: Marsland Baseline Samples

Work Order: C11040429

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|------------------------------|-------------------------------|--------|-------|-------|------|------------------------|------------|-----|----------------|------|
| Method: A4500-NH3 G | | | | | | | | | Batch: R145058 | |
| Sample ID: MBLK-6 | Method Blank | | | | | Run: TECHNICON_110421A | | | 04/21/11 15:34 | |
| Nitrogen, Ammonia as N | | ND | mg/L | 0.050 | | | | | | |
| Sample ID: LCS-7 | Laboratory Control Sample | | | | | Run: TECHNICON_110421A | | | 04/21/11 15:36 | |
| Nitrogen, Ammonia as N | | 2.02 | mg/L | 0.050 | 101 | 90 | 110 | | | |
| Sample ID: C11040437-002IMS | Sample Matrix Spike | | | | | Run: TECHNICON_110421A | | | 04/21/11 15:48 | |
| Nitrogen, Ammonia as N | | 1.89 | mg/L | 0.050 | 90 | 80 | 120 | | | |
| Sample ID: C11040437-002IMSD | Sample Matrix Spike Duplicate | | | | | Run: TECHNICON_110421A | | | 04/21/11 15:50 | |
| Nitrogen, Ammonia as N | | 1.87 | mg/L | 0.050 | 89 | 80 | 120 | 1.1 | 10 | |

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples

Report Date: 06/15/11
Work Order: C11040429

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|------|------|---------------------|------------|-----|----------|----------------|
| Method: E200.7 | | | | | | | | | | Batch: R145139 |
| Sample ID: MB-110425A | 6 | Method Blank | | | | Run: ICP2-C_110425A | | | | 04/25/11 14:20 |
| Calcium | | ND | mg/L | 1.0 | | | | | | |
| Magnesium | | ND | mg/L | 1.0 | | | | | | |
| Molybdenum | | ND | mg/L | 0.10 | | | | | | |
| Potassium | | ND | mg/L | 1.0 | | | | | | |
| Silicon | | ND | mg/L | 0.10 | | | | | | |
| Sodium | | ND | mg/L | 1.0 | | | | | | |
| Sample ID: LFB-110425A | 6 | Laboratory Fortified Blank | | | | Run: ICP2-C_110425A | | | | 04/25/11 14:24 |
| Calcium | | 47.4 | mg/L | 0.50 | 95 | 85 | 115 | | | |
| Magnesium | | 46.2 | mg/L | 0.50 | 92 | 85 | 115 | | | |
| Molybdenum | | 0.948 | mg/L | 0.10 | 95 | 85 | 115 | | | |
| Potassium | | 48.9 | mg/L | 3.3 | 98 | 85 | 115 | | | |
| Silicon | | 0.558 | mg/L | 0.10 | 103 | 85 | 115 | | | |
| Sodium | | 49.3 | mg/L | 0.50 | 99 | 85 | 115 | | | |
| Sample ID: C11040429-003CMS2 | 6 | Sample Matrix Spike | | | | Run: ICP2-C_110425A | | | | 04/25/11 15:36 |
| Calcium | | 128 | mg/L | 1.0 | 93 | 70 | 130 | | | |
| Magnesium | | 104 | mg/L | 1.0 | 95 | 70 | 130 | | | |
| Molybdenum | | 1.85 | mg/L | 0.10 | 91 | 70 | 130 | | | |
| Potassium | | 87.8 | mg/L | 1.0 | 83 | 70 | 130 | | | |
| Silicon | | 38.4 | mg/L | 0.10 | | 70 | 130 | | | A |
| Sodium | | 116 | mg/L | 1.0 | 97 | 70 | 130 | | | |
| Sample ID: C11040429-003CMSD | 6 | Sample Matrix Spike Duplicate | | | | Run: ICP2-C_110425A | | | | 04/25/11 15:42 |
| Calcium | | 128 | mg/L | 1.0 | 93 | 70 | 130 | 0.3 | 20 | |
| Magnesium | | 103 | mg/L | 1.0 | 94 | 70 | 130 | 1.0 | 20 | |
| Molybdenum | | 1.88 | mg/L | 0.10 | 92 | 70 | 130 | 1.5 | 20 | |
| Potassium | | 86.1 | mg/L | 1.0 | 82 | 70 | 130 | 2.0 | 20 | |
| Silicon | | 38.9 | mg/L | 0.10 | | 70 | 130 | 1.3 | 20 | A |
| Sodium | | 116 | mg/L | 1.0 | 97 | 70 | 130 | 0.3 | 20 | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.
MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 06/15/11

Project: Marsland Baseline Samples

Work Order: C11040429

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|---|-------|---------|-------|---------|------|-----------|------------|------|----------|--------------------------------------|
| Method: E200.8 | | | | | | | | | | Batch: R144832A |
| Sample ID: C11040429-002AMS4 16 Sample Matrix Spike | | | | | | | | | | Run: ICPMS4-C_110414A 04/14/11 22:42 |
| Aluminum | | 0.0467 | mg/L | 0.0010 | 80 | 70 | 130 | | | |
| Arsenic | | 0.0500 | mg/L | 0.0010 | 88 | 70 | 130 | | | |
| Barium | | 0.187 | mg/L | 0.10 | 83 | 70 | 130 | | | |
| Boron | | 0.0868 | mg/L | 0.0010 | 82 | 70 | 130 | | | |
| Cadmium | | 0.0462 | mg/L | 0.010 | 92 | 70 | 130 | | | |
| Chromium | | 0.0429 | mg/L | 0.0010 | 86 | 70 | 130 | | | |
| Copper | | 0.0423 | mg/L | 0.010 | 83 | 70 | 130 | | | |
| Iron | | 1.000 | mg/L | 0.030 | 79 | 70 | 130 | | | |
| Lead | | 0.0463 | mg/L | 0.0010 | 93 | 70 | 130 | | | |
| Manganese | | 0.0494 | mg/L | 0.010 | 89 | 70 | 130 | | | |
| Mercury | | 0.00414 | mg/L | 0.0010 | 83 | 70 | 130 | | | |
| Nickel | | 0.0409 | mg/L | 0.0010 | 81 | 70 | 130 | | | |
| Selenium | | 0.0494 | mg/L | 0.0010 | 96 | 70 | 130 | | | |
| Uranium | | 0.0541 | mg/L | 0.00030 | 91 | 70 | 130 | | | |
| Vanadium | | 0.0531 | mg/L | 0.0010 | 85 | 70 | 130 | | | |
| Zinc | | 0.0476 | mg/L | 0.010 | 91 | 70 | 130 | | | |
| Sample ID: C11040429-002AMSD 16 Sample Matrix Spike Duplicate | | | | | | | | | | Run: ICPMS4-C_110414A 04/14/11 22:49 |
| Aluminum | | 0.0539 | mg/L | 0.0010 | 94 | 70 | 130 | 14 | 20 | |
| Arsenic | | 0.0577 | mg/L | 0.0010 | 103 | 70 | 130 | 14 | 20 | |
| Barium | | 0.198 | mg/L | 0.10 | 105 | 70 | 130 | 5.6 | 20 | |
| Boron | | 0.0932 | mg/L | 0.0010 | 94 | 70 | 130 | 7.1 | 20 | |
| Cadmium | | 0.0530 | mg/L | 0.010 | 106 | 70 | 130 | 14 | 20 | |
| Chromium | | 0.0493 | mg/L | 0.0010 | 99 | 70 | 130 | 14 | 20 | |
| Copper | | 0.0489 | mg/L | 0.010 | 97 | 70 | 130 | 14 | 20 | |
| Iron | | 1.17 | mg/L | 0.030 | 92 | 70 | 130 | 15 | 20 | |
| Lead | | 0.0531 | mg/L | 0.0010 | 106 | 70 | 130 | 14 | 20 | |
| Manganese | | 0.0563 | mg/L | 0.010 | 103 | 70 | 130 | 13 | 20 | |
| Mercury | | 0.00472 | mg/L | 0.0010 | 94 | 70 | 130 | 13 | 20 | |
| Nickel | | 0.0487 | mg/L | 0.0010 | 97 | 70 | 130 | 17 | 20 | |
| Selenium | | 0.0561 | mg/L | 0.0010 | 110 | 70 | 130 | 13 | 20 | |
| Uranium | | 0.0613 | mg/L | 0.00030 | 105 | 70 | 130 | 13 | 20 | |
| Vanadium | | 0.0599 | mg/L | 0.0010 | 99 | 70 | 130 | 12 | 20 | |
| Zinc | | 0.0526 | mg/L | 0.010 | 101 | 70 | 130 | 10.0 | 20 | |
| Sample ID: LRB 16 Method Blank | | | | | | | | | | Run: ICPMS4-C_110414A 04/14/11 13:19 |
| Aluminum | | ND | mg/L | 0.10 | | | | | | |
| Arsenic | | ND | mg/L | 0.0010 | | | | | | |
| Barium | | ND | mg/L | 0.10 | | | | | | |
| Boron | | ND | mg/L | 0.10 | | | | | | |
| Cadmium | | ND | mg/L | 0.0050 | | | | | | |
| Chromium | | ND | mg/L | 0.050 | | | | | | |
| Copper | | ND | mg/L | 0.010 | | | | | | |
| Iron | | ND | mg/L | 0.030 | | | | | | |
| Lead | | ND | mg/L | 0.0010 | | | | | | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 06/15/11

Project: Marsland Baseline Samples

Work Order: C11040429

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|---------|------|-----------|-----------------------|-----|----------------|------|
| Method: E200.8 | | | | | | | | | | |
| Batch: R144832A | | | | | | | | | | |
| Sample ID: LRB | 16 | Method Blank | | | | | Run: ICPMS4-C_110414A | | 04/14/11 13:19 | |
| Manganese | | ND | mg/L | 0.010 | | | | | | |
| Mercury | | ND | mg/L | 0.0010 | | | | | | |
| Nickel | | ND | mg/L | 0.050 | | | | | | |
| Selenium | | ND | mg/L | 0.0010 | | | | | | |
| Uranium | | ND | mg/L | 0.00030 | | | | | | |
| Vanadium | | ND | mg/L | 0.10 | | | | | | |
| Zinc | | ND | mg/L | 0.010 | | | | | | |
| Sample ID: LFB | 16 | Laboratory Fortified Blank | | | | | Run: ICPMS4-C_110414A | | 04/14/11 13:26 | |
| Aluminum | | 0.0529 | mg/L | 0.0010 | 106 | 85 | 115 | | | |
| Arsenic | | 0.0508 | mg/L | 0.0010 | 102 | 85 | 115 | | | |
| Barium | | 0.0510 | mg/L | 0.0010 | 102 | 85 | 115 | | | |
| Boron | | 0.0451 | mg/L | 0.0010 | 98 | 85 | 115 | | | |
| Cadmium | | 0.0511 | mg/L | 0.0010 | 102 | 85 | 115 | | | |
| Chromium | | 0.0502 | mg/L | 0.0010 | 100 | 85 | 115 | | | |
| Copper | | 0.0514 | mg/L | 0.0010 | 103 | 85 | 115 | | | |
| Iron | | 1.24 | mg/L | 0.012 | 99 | 85 | 115 | | | |
| Lead | | 0.0510 | mg/L | 0.0010 | 102 | 85 | 115 | | | |
| Manganese | | 0.0496 | mg/L | 0.0010 | 99 | 85 | 115 | | | |
| Mercury | | 0.00516 | mg/L | 0.0010 | 103 | 85 | 115 | | | |
| Nickel | | 0.0506 | mg/L | 0.0010 | 101 | 85 | 115 | | | |
| Selenium | | 0.0504 | mg/L | 0.0010 | 101 | 85 | 115 | | | |
| Uranium | | 0.0515 | mg/L | 0.00030 | 103 | 85 | 115 | | | |
| Vanadium | | 0.0497 | mg/L | 0.0010 | 99 | 85 | 115 | | | |
| Zinc | | 0.0575 | mg/L | 0.0010 | 114 | 85 | 115 | | | |
| Method: E200.8 | | | | | | | | | | |
| Batch: 29614 | | | | | | | | | | |
| Sample ID: MB-29614 | | Method Blank | | | | | Run: ICPMS4-C_110421A | | 04/21/11 13:09 | |
| Uranium | | ND | mg/L | 0.00030 | | | | | | |
| Sample ID: LCS2-29614 | | Laboratory Control Sample | | | | | Run: ICPMS4-C_110421A | | 04/21/11 13:17 | |
| Uranium | | 0.104 | mg/L | 0.00030 | 104 | 85 | 115 | | | |
| Sample ID: C11040476-010HMS | | Sample Matrix Spike | | | | | Run: ICPMS4-C_110421A | | 04/21/11 15:53 | |
| Uranium | | 0.0556 | mg/L | 0.00030 | 111 | 70 | 130 | | | |
| Sample ID: C11040476-010HMSD | | Sample Matrix Spike Duplicate | | | | | Run: ICPMS4-C_110421A | | 04/21/11 15:57 | |
| Uranium | | 0.0556 | mg/L | 0.00030 | 111 | 70 | 130 | 0.0 | 20 | |

Qualifiers:

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MDC - Minimum detectable concentration



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 06/15/11

Project: Marsland Baseline Samples

Work Order: C11040429

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|------------------------------|-------|---|-------|-----|------|-----------|------------|-----|----------|-----------------------------------|
| Method: E300.0 | | | | | | | | | | Analytical Run: IC2-C_110419A |
| Sample ID: ICV110419 | 2 | Initial Calibration Verification Standard | | | | | | | | 04/19/11 12:26 |
| Chloride | | 9.84 | mg/L | 1.0 | 98 | 90 | 110 | | | |
| Sulfate | | 40.4 | mg/L | 1.0 | 101 | 90 | 110 | | | |
| Method: E300.0 | | | | | | | | | | Batch: R145050 |
| Sample ID: ICB | 2 | Method Blank | | | | | | | | Run: IC2-C_110419A 04/19/11 12:41 |
| Chloride | | ND | mg/L | 1.0 | | | | | | |
| Sulfate | | ND | mg/L | 1.0 | | | | | | |
| Sample ID: LFB110419 | 2 | Laboratory Fortified Blank | | | | | | | | Run: IC2-C_110419A 04/19/11 12:57 |
| Chloride | | 9.67 | mg/L | 1.0 | 96 | 90 | 110 | | | |
| Sulfate | | 40.1 | mg/L | 1.0 | 100 | 90 | 110 | | | |
| Sample ID: C11040427-006AMS | 2 | Sample Matrix Spike | | | | | | | | Run: IC2-C_110419A 04/19/11 17:34 |
| Chloride | | 150 | mg/L | 1.0 | 100 | 80 | 120 | | | |
| Sulfate | | 589 | mg/L | 4.0 | 95 | 80 | 120 | | | |
| Sample ID: C11040427-006AMSD | 2 | Sample Matrix Spike Duplicate | | | | | | | | Run: IC2-C_110419A 04/19/11 17:50 |
| Chloride | | 151 | mg/L | 1.0 | 103 | 80 | 120 | 1.1 | 10 | |
| Sulfate | | 597 | mg/L | 4.0 | 99 | 80 | 120 | 1.3 | 10 | |

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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples

Report Date: 06/15/11
Work Order: C11040429

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|------|------|------------------------|------------|----------------|----------|----------------|
| Method: E353.2 | | | | | | | | | | Batch: R144868 |
| Sample ID: MBLK-1 | | | | | | | | | | |
| | | Method Blank | | | | Run: TECHNICON_110415B | | 04/15/11 14:34 | | |
| Nitrogen, Nitrate+Nitrite as N | | ND | mg/L | 0.10 | | | | | | |
| Sample ID: LCS-2 | | | | | | | | | | |
| | | Laboratory Control Sample | | | | Run: TECHNICON_110415B | | 04/15/11 14:36 | | |
| Nitrogen, Nitrate+Nitrite as N | | 2.51 | mg/L | 0.10 | 100 | 90 | 110 | | | |
| Sample ID: C11040437-005JMS | | | | | | | | | | |
| | | Sample Matrix Spike | | | | Run: TECHNICON_110415B | | 04/15/11 15:29 | | |
| Nitrogen, Nitrate+Nitrite as N | | 1.94 | mg/L | 0.10 | 99 | 90 | 110 | | | |
| Sample ID: C11040437-005JMSD | | | | | | | | | | |
| | | Sample Matrix Spike Duplicate | | | | Run: TECHNICON_110415B | | 04/15/11 15:31 | | |
| Nitrogen, Nitrate+Nitrite as N | | 1.98 | mg/L | 0.10 | 101 | 90 | 110 | 2.0 | 10 | |

Qualifiers:

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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples

Report Date: 06/15/11
Work Order: C11040429

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|------------------------------|-------------------------------|------------------|-------|------|------|-----------------------------|------------|----------------|-------------------|------|
| Method: E903.0 | | | | | | | | | Batch: RA226-5305 | |
| Sample ID: C11040476-001DMS | Sample Matrix Spike | | | | | Run: BERTHOLD 770-1_110422A | | 05/02/11 12:53 | | |
| Radium 226 | 23 | pCi/L | | 99 | | 70 | 130 | | | |
| Sample ID: C11040476-001DMSD | Sample Matrix Spike Duplicate | | | | | Run: BERTHOLD 770-1_110422A | | 05/02/11 12:53 | | |
| Radium 226 | 22 | pCi/L | | 97 | | 70 | 130 | 1.7 | 20.7 | |
| Sample ID: C11040601-001EDUP | 3 | Sample Duplicate | | | | Run: BERTHOLD 770-1_110422A | | 05/02/11 14:28 | | |
| Radium 226 | 24 | pCi/L | | | | | | 4.8 | 17.1 | |
| Radium 226 precision (±) | 0.86 | pCi/L | | | | | | | | |
| Radium 226 MDC | 0.11 | pCi/L | | | | | | | | |
| Sample ID: MB-RA226-5305 | 3 | Method Blank | | | | Run: BERTHOLD 770-1_110422A | | 05/02/11 14:28 | | |
| Radium 226 | ND | pCi/L | | 0.10 | | | | | | U |
| Radium 226 precision (±) | 0.050 | pCi/L | | | | | | | | |
| Radium 226 MDC | 0.12 | pCi/L | | | | | | | | |
| Sample ID: LCS-RA226-5305 | Laboratory Control Sample | | | | | Run: BERTHOLD 770-1_110422A | | 05/02/11 14:28 | | |
| Radium 226 | 6.0 | pCi/L | | 97 | | 85 | 115 | | | |
| Method: E903.0 | | | | | | | | | Batch: 29614 | |
| Sample ID: C11040326-005HMS | Sample Matrix Spike | | | | | Run: BERTHOLD 770-2_110422A | | 05/02/11 21:53 | | |
| Radium 226 | 12 | pCi/L | | 109 | | 70 | 130 | | | |
| Sample ID: C11040326-005HMSD | Sample Matrix Spike Duplicate | | | | | Run: BERTHOLD 770-2_110422A | | 05/02/11 21:53 | | |
| Radium 226 | 12 | pCi/L | | 113 | | 70 | 130 | 0.8 | 24.5 | |
| Sample ID: LCS-29614 | Laboratory Control Sample | | | | | Run: BERTHOLD 770-2_110422A | | 05/03/11 02:01 | | |
| Radium 226 | 13 | pCi/L | | 111 | | 85 | 115 | | | |
| Sample ID: MB-29614 | 3 | Method Blank | | | | Run: BERTHOLD 770-2_110422A | | 05/03/11 02:01 | | |
| Radium 226 | ND | pCi/L | | 0.10 | | | | | | U |
| Radium 226 precision (±) | 0.096 | pCi/L | | | | | | | | |
| Radium 226 MDC | 0.24 | pCi/L | | | | | | | | |

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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples

Report Date: 06/15/11
Work Order: C11040429

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|--------------------------------------|-------------------------------|--------------|-------|-------|------|------------------------|------------|-----|----------|-----------------------|
| Method: E908.0 | | | | | | | | | | Batch: R145601 |
| Sample ID: C11040476-010HMS | Sample Matrix Spike | | | | | Run: EGG-ORTEC_110502A | | | | 05/05/11 14:45 |
| Thorium 230 | | 9.0 | pCi/L | 102 | | 70 | 130 | | | |
| Sample ID: C11040476-010HMSD | Sample Matrix Spike Duplicate | | | | | Run: EGG-ORTEC_110502A | | | | 05/05/11 14:45 |
| Thorium 230 | | 10 | pCi/L | 114 | | 70 | 130 | 12 | | 47.8 |
| Sample ID: LCS-29614 | Laboratory Control Sample | | | | | Run: EGG-ORTEC_110502A | | | | 05/05/11 14:45 |
| Thorium 230 | | 11 | pCi/L | 119 | | 70 | 130 | | | |
| Sample ID: MB-29614 | 3 | Method Blank | | | | Run: EGG-ORTEC_110502A | | | | 05/05/11 14:45 |
| Thorium 230 | | ND | pCi/L | 0.090 | | | | | | U |
| Thorium 230 precision (\pm) | | 0.17 | pCi/L | | | | | | | |
| Thorium 230 MDC | | 0.28 | pCi/L | | | | | | | |
| Method: E908.0 | | | | | | | | | | Batch: RA-TH-ISO-1381 |
| Sample ID: LCS-RA-TH-ISO-1381 | Laboratory Control Sample | | | | | Run: EGG-ORTEC_110505A | | | | 05/09/11 14:40 |
| Thorium 230 | | 5.6 | pCi/L | 100 | | 70 | 130 | | | |
| Sample ID: C11040476-009DMS | Sample Matrix Spike | | | | | Run: EGG-ORTEC_110505A | | | | 05/10/11 13:01 |
| Thorium 230 | | 12 | pCi/L | 97 | | 70 | 130 | | | |
| Sample ID: C11040476-009DMSD | Sample Matrix Spike Duplicate | | | | | Run: EGG-ORTEC_110505A | | | | 05/10/11 13:01 |
| Thorium 230 | | 11 | pCi/L | 87 | | 70 | 130 | 8.1 | | 37.6 |
| Sample ID: MB-RA-TH-ISO-1381 | 3 | Method Blank | | | | Run: EGG-ORTEC_110505A | | | | 05/10/11 13:01 |
| Thorium 230 | | ND | pCi/L | 0.090 | | | | | | U |
| Thorium 230 precision (\pm) | | 0.087 | pCi/L | | | | | | | |
| Thorium 230 MDC | | 0.19 | pCi/L | | | | | | | |
| Method: E908.0 | | | | | | | | | | Batch: RA-TH-ISO-1394 |
| Sample ID: LCS-RA-TH-ISO-1394 | Laboratory Control Sample | | | | | Run: EGG-ORTEC_110525C | | | | 06/01/11 08:51 |
| Thorium 230 | | 5.4 | pCi/L | 95 | | 70 | 130 | | | |
| Sample ID: C11040889-001DMS | Sample Matrix Spike | | | | | Run: EGG-ORTEC_110525C | | | | 06/01/11 13:22 |
| Thorium 230 | | 13 | pCi/L | 101 | | 70 | 130 | | | |
| Sample ID: C11040889-001DMSD | Sample Matrix Spike Duplicate | | | | | Run: EGG-ORTEC_110525C | | | | 06/01/11 13:22 |
| Thorium 230 | | 14 | pCi/L | 107 | | 70 | 130 | 4.9 | | 36.4 |
| Sample ID: MB-RA-TH-ISO-1394 | 3 | Method Blank | | | | Run: EGG-ORTEC_110525C | | | | 06/01/11 13:22 |
| Thorium 230 | | ND | pCi/L | 0.090 | | | | | | U |
| Thorium 230 precision (\pm) | | 0.076 | pCi/L | | | | | | | |
| Thorium 230 MDC | | 0.13 | pCi/L | | | | | | | |

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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples

Report Date: 06/15/11
Work Order: C11040429

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------------------------------|--------------|-------|------|------|-----------------|------------|-----|----------------------|------|
| Method: E909.0 | | | | | | | | | Batch: T_PB-210-0104 | |
| Sample ID: T11040111-001DMSD | Sample Matrix Spike Duplicate | | | | | Run: SUB-T40681 | | | 05/31/11 16:39 | |
| Lead 210 | 140 | | pCi/L | 101 | | 70 | 130 | 7.6 | 16 | |
| Sample ID: T11040111-001DMS | Sample Matrix Spike | | | | | Run: SUB-T40681 | | | 05/31/11 14:28 | |
| Lead 210 | 130 | | pCi/L | 92 | | 70 | 130 | | | |
| Sample ID: LCS-PB-210-0104 | Laboratory Control Sample | | | | | Run: SUB-T40681 | | | 05/31/11 03:31 | |
| Lead 210 | 53 | | pCi/L | 100 | | 70 | 130 | | | |
| Sample ID: MB-PB-210-0104 | 3 | Method Blank | | | | Run: SUB-T40681 | | | 05/31/11 01:19 | |
| Lead 210 | | ND | pCi/L | 0.80 | | | | | | U |
| Lead 210 precision (\pm) | | 0.95 | pCi/L | | | | | | | |
| Lead 210 MDC | | 1.6 | pCi/L | | | | | | | |
| Method: E909.0 | | | | | | | | | Batch: T_13823 | |
| Sample ID: T11040082-001HMSD | Sample Matrix Spike Duplicate | | | | | Run: SUB-T40682 | | | 05/22/11 20:05 | |
| Lead 210 | 81 | | pCi/L | 86 | | 70 | 130 | 6.3 | 16 | |
| Sample ID: MB-13823 | 3 | Method Blank | | | | Run: SUB-T40682 | | | 05/22/11 11:19 | |
| Lead 210 | | 1.3 | pCi/L | 0.80 | | | | | | U |
| Lead 210 precision (\pm) | | 5.6 | pCi/L | | | | | | | |
| Lead 210 MDC | | 9.4 | pCi/L | | | | | | | |
| Sample ID: LCS-13823 | Laboratory Control Sample | | | | | Run: SUB-T40682 | | | 05/22/11 13:31 | |
| Lead 210 | 260 | | pCi/L | 73 | | 70 | 130 | | | |
| Sample ID: T11040082-001HMS | Sample Matrix Spike | | | | | Run: SUB-T40682 | | | 05/22/11 17:54 | |
| Lead 210 | 86 | | pCi/L | 93 | | 70 | 130 | | | |

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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 06/15/11

Project: Marsland Baseline Samples

Work Order: C11040429

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|---------------------|--------|-------|------|------|-----------|------------|-----|----------|-------------------|
| Method: E912.0 | | | | | | | | | | Batch: 29614 |
| Sample ID: C11040476-010HMS | Sample Matrix Spike | | | | | | | | | |
| Polonium 210 | | 6.3 | pCi/L | | 117 | 70 | 130 | | | 05/06/11 08:47 |
| Sample ID: C11040476-010HMSD | | | | | | | | | | 05/06/11 08:47 |
| Polonium 210 | | 5.6 | pCi/L | | 103 | 70 | 130 | 13 | | 62.3 |
| Sample ID: LCS-29614 | | | | | | | | | | 05/06/11 08:47 |
| Polonium 210 | | 28 | pCi/L | | 91 | 70 | 130 | | | |
| Sample ID: MB-29614 | | | | | | | | | | 05/06/11 11:02 |
| Polonium 210 | 3 | ND | pCi/L | 0.30 | | | | | | U |
| Polonium 210 precision (±) | | 1.4 | pCi/L | | | | | | | |
| Polonium 210 MDC | | 3.0 | pCi/L | | | | | | | |
| Method: E912.0 | | | | | | | | | | Batch: PO210-0365 |
| Sample ID: C11040296-001EMS | Sample Matrix Spike | | | | | | | | | |
| Polonium 210 | | 12 | pCi/L | | 89 | 70 | 130 | | | 05/09/11 09:07 |
| Sample ID: C11040296-001EMSD | | | | | | | | | | 05/09/11 09:07 |
| Polonium 210 | | 17 | pCi/L | | 127 | 70 | 130 | 35 | | 67.6 |
| Sample ID: MB-PO210-0365 | | | | | | | | | | 05/09/11 11:17 |
| Polonium 210 | 3 | ND | pCi/L | 0.30 | | | | | | U |
| Polonium 210 precision (±) | | 0.23 | pCi/L | | | | | | | |
| Polonium 210 MDC | | 0.58 | pCi/L | | | | | | | |
| Sample ID: LCS-PO210-0365 | | | | | | | | | | 05/09/11 11:17 |
| Polonium 210 | | 6.4 | pCi/L | | 101 | 70 | 130 | | | |

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U - Not detected at minimum detectable concentration

Workorder Receipt Checklist



C11040429

Login completed by: Edith McPike
Reviewed by: BL2000\hackerman
Reviewed Date: 4/13/2011

Date Received: 4/13/2011

Received by: em

Carrier Ground
name:

| | | | |
|---|---|-----------------------------|--|
| Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Container/Temp Blank temperature: | 7.0°C On Ice | | |
| Water - VOA vials have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | No VOA vials submitted <input checked="" type="checkbox"/> |
| Water - pH acceptable upon receipt? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Applicable <input type="checkbox"/> |

Contact and Corrective Action Comments:

Samples to be filtered and preserved for dissolved radionuclides in the laboratory. Samples for dissolved metals were subsampled, filtered and preserved with 2 mL HNO₃ in lab upon receipt to pH <2.



Chain of Custody and Analytical Request Record

Page 1 of 1

PLEASE PRINT- Provide as much information as possible.

| | | | | | | | | | | | | | | | | | | | | |
|---|--|--|--|---|----------------------------|--|----------------------------|---|---|------------------------|-------------------------------|---|--|--|--|--|--|-------------------|-----------------------|--|
| Company Name: Crow Butte Resources, Inc. | | | Project Name, PWS, Permit, Etc. Marland Baseline Stream Samples | | | Sample Origin State: | | EPA/State Compliance: Yes <input type="checkbox"/> No <input type="checkbox"/> | | | | | | | | | | | | |
| Report Mail Address: P.O. Box 169 Crawford, NE 69339 | | | Contact Name: Larry Teahon | | Phone/Fax: 308-665-2341 | | Email: daxmynus@msn.com | | Sampler: (Please Print) Brooke Bass Rhonda Pelton | | | | | | | | | | | |
| Invoice Address: P.O. Box 169 Crawford, NE 69339 | | | Invoice Contact & Phone: Larry Teahon 308-665-2215 ext 114 | | | Purchase Order: 1125 | | Quote/Bottle Order: | | | | | | | | | | | | |
| Special Report/Formats -- ELI must be notified prior to sample submittal for the following: <input type="checkbox"/> DW <input type="checkbox"/> A2LA <input type="checkbox"/> GSA <input type="checkbox"/> EDD/EDT (Electronic Data) <input type="checkbox"/> POTW/WWTP <input type="checkbox"/> Format: <input type="checkbox"/> State: <input type="checkbox"/> LEVEL IV <input type="checkbox"/> Other: <input type="checkbox"/> NELAC | | | Number of Containers Sample Type: AWSVBO Air Water Soils/Solids Vegetation Bioassay Other | ANALYSIS REQUESTED | | | | | | | | Contact ELI prior to RUSH sample submittal for charges and scheduling -- See Instruction Page | Shipped by: UPS Cooler ID(s): Various | | | | | | | |
| | | | | SEE ATTACHED Normal Turnaround (TAT) | | | | | | | | | | Comments: NDEQ parameters for baseline sampling. Report on separate sheets. Analyze as per WDEQ Guideline 8 and NRC Reg. Guide 4.14 requirements. Record U as mg/L and µCi/ml and radiometrics as pCi/L | Receipt Temp 7.0 °C On Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Custody Seal Y <input checked="" type="checkbox"/> N Intact Y <input type="checkbox"/> N Signature Y <input type="checkbox"/> N Match Y <input type="checkbox"/> N | | | | | |
| SAMPLE IDENTIFICATION (Name, Location, Interval, etc.) | | | Collection Date | Collection Time | MATRIX | Raw-UF Th230, U-nat, Ra226, Po210, Pb210 | HNO3-F, Metals | RAW-F, Common Ions | RAW-UF, Alkalinity | H2SO4-F, NO2, NO3, NH4 | Raw-UF, Ra226, Po210 dis, sus | Raw-UF, Pb210 dis and sus | Raw-UF, Th230, U-nat dis and sus | | | | | | | |
| 1 N1 (Niobrara River West Site) | | | 4-8-11 | | Water | 3g | | | | | | | | | | | | | Please Report 5-25-11 | |
| 2 N2 (Niobrara River East Site) | | | 4-8-11 | | Water | 3g | | | | | | | | | | | | | Please Report 5-25-11 | |
| 3 Well #747 Mining | | | 4-8-11 | | Water | | .5 | 1 | 1 | .5 | 1 | 1 | 1 | | | | | | Please Report 5-25-11 | |
| 4 | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | |
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| 9 | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | |
| Custody Record MUST be Signed | | | Relinquished by (print): Rhonda Pelton | | | Date/Time: 4/11/2011 | | | Signature: Rhonda Pelton | | | Received by (print): UPS | | | Date/Time: 4.13.11 | | | Signature: 920 | | |
| | | | Relinquished by (print): | | | Date/Time: | | | Signature: | | | Received by (print): | | | Date/Time: | | | Signature: | | |
| | | | Sample Disposal: Return to Client: No | | | Lab Disposal: YES | | | | | | | | | | | | | | |

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report. Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.

CROW BUTTE RESOURCES, INC.
CROW BUTTE PROJECT

No 2

DATE: 4/18/11

ANALYST: LT

STANDARD CURVE DATA

| | | | | | | | |
|-----|-----------|--|-------------|-------------|-------------|--|--|
| | <u>BL</u> | | <u>.01</u> | <u>.05</u> | <u>.1</u> | | |
| Abs | | | <u>.035</u> | <u>.174</u> | <u>.349</u> | | |
| Abs | | | | | | | |

| SAMPLE # | VOLUME | Df | Abs | No. 2 mg/L |
|----------|-------------------|----|-------------|--------------|
| 1 | <u>P217</u> | | <u>.001</u> | <u>20.01</u> |
| 2 | <u>P224</u> | | <u>.005</u> | <u>20.01</u> |
| 3 | <u>P246</u> | | <u>.001</u> | <u>20.01</u> |
| 4 | <u>Ij 13p</u> | | <u>.001</u> | <u>20.01</u> |
| 5 | <u>I 288p</u> | | <u>.003</u> | <u>20.01</u> |
| Dup | <u>I 298p</u> | | <u>.003</u> | <u>20.01</u> |
| 6 | <u>I 304p</u> | | <u>.005</u> | <u>20.01</u> |
| 7 | <u>I 315p</u> | | <u>.003</u> | <u>20.01</u> |
| 8 | <u>I 320p</u> | | <u>.012</u> | <u>20.01</u> |
| 9 | <u>I 326p</u> | | <u>.018</u> | <u>20.01</u> |
| 10 | <u>CM 1-1</u> | | <u>.024</u> | <u>20.01</u> |
| Dup | <u>CM 1-10</u> | | <u>.005</u> | <u>20.01</u> |
| 11 | <u>CM 1-11</u> | | <u>.006</u> | <u>20.01</u> |
| 12 | <u>Manning</u> | | <u>.004</u> | <u>20.01</u> |
| 13 | | | | |
| 14 | <u>Dup P217</u> | | <u>.001</u> | <u>20.01</u> |
| 15 | <u>Dup Ij 13p</u> | | <u>.001</u> | <u>20.01</u> |
| Dup | <u>Dup 315</u> | | <u>.010</u> | <u>20.01</u> |
| 16 | <u>Dup 1-10</u> | | <u>.007</u> | <u>20.01</u> |
| 17 | <u>CM 1-1</u> | | <u>.022</u> | <u>20.01</u> |
| 18 | <u>Manning</u> | | <u>.003</u> | <u>20.01</u> |
| 19 | | | | |
| 20 | | | | |
| Dup | | | | |
| 21 | | | | |
| 22 | | | | |
| 23 | | | | |
| 24 | | | | |
| 25 | | | | |
| Dup | | | | |

ANALYTICAL SUMMARY REPORT

June 20, 2011

Crow Butte Resources
86 Crow Butte Rd
Crawford, NE 69339

Workorder No.: C11040726 Quote ID: C1125 - Crow Butte Uranium

Project Name: Marsland Baseline Samples

Energy Laboratories, Inc. Casper WY received the following 6 samples for Crow Butte Resources on 4/22/2011 for analysis.

| Sample ID | Client Sample ID | Collect Date | Receive Date | Matrix | Test |
|---------------|------------------|----------------|--------------|---------|--|
| C11040726-001 | Well 705 | 04/20/11 00:00 | 04/22/11 | Aqueous | Metals by ICP/ICPMS, Dissolved Alkalinity QA Calculations Conductivity Sample Filtering Fluoride E300.0 Anions Uranium, Suspended Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Digestion, Total Metals Lead 210, Dissolved Lead 210, Suspended Polonium 210, Dissolved Polonium 210, Suspended Radium 226, Dissolved Radium 226, Suspended Thorium, Isotopic Thorium, Suspended Isotopic Solids, Total Dissolved |
| C11040726-002 | Well 727 | 04/20/11 00:00 | 04/22/11 | Aqueous | Same As Above |
| C11040726-003 | Well 788 | 04/20/11 00:00 | 04/22/11 | Aqueous | Same As Above |
| C11040726-004 | BOW-8 | 04/19/11 00:00 | 04/22/11 | Aqueous | Same As Above |
| C11040726-005 | BOW-7 | 04/19/11 00:00 | 04/22/11 | Aqueous | Same As Above |
| C11040726-006 | BOW-4A | 04/19/11 00:00 | 04/22/11 | Aqueous | Same As Above |

This report was prepared by Energy Laboratories, Inc., 2393 Salt Creek Hwy., Casper, WY 82601. Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

The results as reported relate only to the item(s) submitted for testing.

If you have any questions regarding these test results, please call.

Report Approved By:

CLIENT: Crow Butte Resources
Project: Marsland Baseline Samples
Sample Delivery Group: C11040726

Report Date: 06/20/11

CASE NARRATIVE

PB210 ANALYSIS

The MDC for Pb-210 per RG 4.14 is 1 pCi/L. The current technique can achieve an MDC of about 2 pCi/L to 5 pCi/L if we have sufficient sample to process 1.0 L. This is reported on a sample specific basis. Please consult with your local regulatory agency prior to using these results for compliance purposes.

RADIOCHEMISTRY ANALYSIS

Per client request, results less than MDC (or precision if no MDC), are reported as <MDC (or <precision). Actual instrument results are available by request.

BRANCH LABORATORY SUBCONTRACT ANALYSIS

Tests associated with analyst identified as ELI-CS were subcontracted to Energy Laboratories, 415 Graham Rd., College Station, TX, EPA Number TX01520.

ORIGINAL SAMPLE SUBMITTAL(S)

All original sample submittals have been returned with the data package.

SAMPLE TEMPERATURE COMPLIANCE: 4°C (±2°C)

Temperature of samples received may not be considered properly preserved by accepted standards. Samples that are hand delivered immediately after collection shall be considered acceptable if there is evidence that the chilling process has begun.

GROSS ALPHA ANALYSIS

Method 900.0 for gross alpha and gross beta is intended as a drinking water method for low TDS waters. Data provided by this method for non potable waters should be viewed as inconsistent.

SOIL/SOLID SAMPLES

All samples reported on an as received basis unless otherwise indicated.

SUBCONTRACTING ANALYSIS

Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.

BRANCH LABORATORY LOCATIONS

eli-b - Energy Laboratories, Inc. - Billings, MT
eli-g - Energy Laboratories, Inc. - Gillette, WY
eli-h - Energy Laboratories, Inc. - Helena, MT
eli-r - Energy Laboratories, Inc. - Rapid City, SD
eli-t - Energy Laboratories, Inc. - College Station, TX

CERTIFICATIONS:

USEPA: WY00002; FL-DOH NELAC: E87641; California: 02118CA
Oregon: WY200001; Utah: 3072350515; Virginia: 00057; Washington: C1903

ISO 17025 DISCLAIMER:

The results of this Analytical Report relate only to the items submitted for analysis.

ENERGY LABORATORIES, INC. - CASPER, WY certifies that certain method selections contained in this report meet requirements as set forth by the above accrediting authorities. Some results requested by the client may not be covered under these certifications. All analysis data to be submitted for regulatory enforcement should be certified in the sample state of origin. Please verify ELI's certification coverage by visiting www.energylab.com

ELI appreciates the opportunity to provide you with this analytical service. For additional information and services visit our web page www.energylab.com.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11040726-001
Client Sample ID: Well 705

Report Date: 06/20/11
Collection Date: 04/20/11
Date Received: 04/22/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 149 | mg/L | | 1 | | A2320 B | 04/22/11 18:05 / jba |
| Carbonate as CO ₃ | ND | mg/L | | 1 | | A2320 B | 04/22/11 18:05 / jba |
| Bicarbonate as HCO ₃ | 182 | mg/L | | 1 | | A2320 B | 04/22/11 18:05 / jba |
| Calcium | 34 | mg/L | | 1 | | E200.7 | 05/13/11 13:34 / cp |
| Chloride | 3 | mg/L | | 1 | | E300.0 | 04/26/11 10:19 / ljl |
| Fluoride | 0.6 | mg/L | | 0.1 | | A4500-F C | 04/25/11 12:25 / jba |
| Magnesium | 8 | mg/L | | 1 | | E200.7 | 05/13/11 13:34 / cp |
| Nitrogen, Ammonia as N | ND | mg/L | | 0.05 | | A4500-NH ₃ G | 04/25/11 12:24 / dc |
| Nitrogen, Nitrate+Nitrite as N | 1.4 | mg/L | | 0.1 | | E353.2 | 04/29/11 13:04 / dc |
| Potassium | 4 | mg/L | | 1 | | E200.7 | 05/13/11 13:34 / cp |
| Silica | 72.4 | mg/L | | 0.2 | | E200.7 | 05/19/11 13:14 / cp |
| Sodium | 19 | mg/L | | 1 | | E200.7 | 05/13/11 13:34 / cp |
| Sulfate | 9 | mg/L | | 1 | | E300.0 | 04/26/11 10:19 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 301 | umhos/cm | | 1 | | A2510 B | 04/22/11 16:01 / lr |
| pH | 7.93 | s.u. | | 0.01 | | A4500-H B | 04/22/11 16:01 / lr |
| Solids, Total Dissolved TDS @ 180 C | 234 | mg/L | | 10 | | A2540 C | 04/22/11 16:23 / lmc |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.8 | 04/26/11 21:15 / sml |
| Arsenic | 0.003 | mg/L | | 0.001 | | E200.8 | 04/26/11 21:15 / sml |
| Barium | 0.1 | mg/L | | 0.1 | | E200.8 | 04/26/11 21:15 / sml |
| Boron | 0.1 | mg/L | | 0.1 | | E200.7 | 05/13/11 13:34 / cp |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 04/26/11 21:15 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 04/26/11 21:15 / sml |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 04/26/11 21:15 / sml |
| Iron | 0.06 | mg/L | | 0.03 | | E200.7 | 05/13/11 13:34 / cp |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 04/26/11 21:15 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 04/26/11 21:15 / sml |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 04/26/11 21:15 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 04/26/11 21:15 / sml |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 04/26/11 21:15 / sml |
| Selenium | 0.001 | mg/L | | 0.001 | | E200.8 | 04/26/11 21:15 / sml |
| Uranium | 0.0065 | mg/L | | 0.0003 | | E200.8 | 04/26/11 21:15 / sml |
| Uranium, Activity | 4.4E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 04/26/11 21:15 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 04/26/11 21:15 / sml |
| Zinc | 0.10 | mg/L | | 0.01 | | E200.7 | 05/13/11 13:34 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 04/30/11 07:19 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 04/30/11 07:19 / sml |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11040726-001
Client Sample ID: Well 705

Report Date: 06/20/11
Collection Date: 04/20/11
Date Received: 04/22/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|-----|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.9 | pCi/L | U | 0.9 | | E909.0 | 06/09/11 21:03 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 06/09/11 21:03 / eli-cs |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 06/09/11 21:03 / eli-cs |
| Polonium 210 | <0.6 | pCi/L | U | 0.6 | | E912.0 | 05/09/11 09:06 / ep |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 05/09/11 09:06 / ep |
| Polonium 210 MDC | 0.6 | pCi/L | | | | E912.0 | 05/09/11 09:06 / ep |
| Radium 226 | 0.9 | pCi/L | | 0.1 | | E903.0 | 05/09/11 16:29 / trs |
| Radium 226 precision (±) | 0.2 | pCi/L | | | | E903.0 | 05/09/11 16:29 / trs |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 05/09/11 16:29 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 05/20/11 16:22 / dmf |
| Thorium 230 precision (±) | 0.08 | pCi/L | | | | E908.0 | 05/20/11 16:22 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 05/20/11 16:22 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.9 | pCi/L | U | 0.9 | | E909.0 | 06/11/11 04:11 / eli-cs |
| Lead 210 precision (±) | 0.6 | pCi/L | | | | E909.0 | 06/11/11 04:11 / eli-cs |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 06/11/11 04:11 / eli-cs |
| Polonium 210 | <0.2 | pCi/L | U | 0.2 | | E912.0 | 05/05/11 11:49 / ep |
| Polonium 210 precision (±) | 0.09 | pCi/L | | | | E912.0 | 05/05/11 11:49 / ep |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 05/05/11 11:49 / ep |
| Radium 226 | <0.1 | pCi/L | U | 0.1 | | E903.0 | 05/11/11 10:48 / trs |
| Radium 226 precision (±) | 0.05 | pCi/L | | | | E903.0 | 05/11/11 10:48 / trs |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 05/11/11 10:48 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 05/09/11 14:36 / dmf |
| Thorium 230 precision (±) | 0.1 | pCi/L | | | | E908.0 | 05/09/11 14:36 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 05/09/11 14:36 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | -0.304 | % | | | | Calculation | 05/25/11 07:48 / kbh |
| Anions | 3.37 | meq/L | | | | Calculation | 05/25/11 07:48 / kbh |
| Cations | 3.35 | meq/L | | | | Calculation | 05/25/11 07:48 / kbh |
| Solids, Total Dissolved Calculated | 265 | mg/L | | | | Calculation | 05/25/11 07:48 / kbh |
| TDS Balance (0.80 - 1.20) | 0.880 | | | | | Calculation | 05/25/11 07:48 / kbh |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11040726-002
Client Sample ID: Well 727

Report Date: 06/20/11
Collection Date: 04/20/11
Date Received: 04/22/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 159 | mg/L | | 1 | | A2320 B | 04/22/11 18:13 / jba |
| Carbonate as CO ₃ | ND | mg/L | | 1 | | A2320 B | 04/22/11 18:13 / jba |
| Bicarbonate as HCO ₃ | 194 | mg/L | | 1 | | A2320 B | 04/22/11 18:13 / jba |
| Calcium | 31 | mg/L | | 1 | | E200.7 | 05/13/11 13:46 / cp |
| Chloride | 5 | mg/L | | 1 | | E300.0 | 04/26/11 10:34 / ljl |
| Fluoride | 0.5 | mg/L | | 0.1 | | A4500-F C | 04/25/11 12:28 / jba |
| Magnesium | 13 | mg/L | | 1 | | E200.7 | 05/13/11 13:46 / cp |
| Nitrogen, Ammonia as N | ND | mg/L | | 0.05 | | A4500-NH ₃ G | 04/25/11 12:26 / dc |
| Nitrogen, Nitrate+Nitrite as N | 1.3 | mg/L | | 0.1 | | E353.2 | 04/29/11 13:06 / dc |
| Potassium | 4 | mg/L | | 1 | | E200.7 | 05/13/11 13:46 / cp |
| Silica | 78.9 | mg/L | | 0.2 | | E200.7 | 05/19/11 13:26 / cp |
| Sodium | 19 | mg/L | | 1 | | E200.7 | 05/13/11 13:46 / cp |
| Sulfate | 9 | mg/L | | 1 | | E300.0 | 04/26/11 10:34 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 324 | umhos/cm | | 1 | | A2510 B | 04/22/11 16:03 / lr |
| pH | 8.05 | s.u. | | 0.01 | | A4500-H B | 04/22/11 16:03 / lr |
| Solids, Total Dissolved TDS @ 180 C | 250 | mg/L | | 10 | | A2540 C | 04/22/11 16:24 / lmc |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.8 | 04/26/11 21:22 / sml |
| Arsenic | 0.002 | mg/L | | 0.001 | | E200.8 | 04/26/11 21:22 / sml |
| Barium | ND | mg/L | | 0.1 | | E200.8 | 04/26/11 21:22 / sml |
| Boron | 0.1 | mg/L | | 0.1 | | E200.7 | 05/13/11 13:46 / cp |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 04/26/11 21:22 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 04/26/11 21:22 / sml |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 04/26/11 21:22 / sml |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 05/13/11 13:46 / cp |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 04/26/11 21:22 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 04/26/11 21:22 / sml |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 04/26/11 21:22 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 04/26/11 21:22 / sml |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 04/26/11 21:22 / sml |
| Selenium | 0.002 | mg/L | | 0.001 | | E200.8 | 04/26/11 21:22 / sml |
| Uranium | 0.0097 | mg/L | | 0.0003 | | E200.8 | 04/26/11 21:22 / sml |
| Uranium, Activity | 6.6E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 04/26/11 21:22 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 04/26/11 21:22 / sml |
| Zinc | 0.28 | mg/L | | 0.01 | | E200.7 | 05/13/11 13:46 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 04/30/11 07:40 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 04/30/11 07:40 / sml |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11040726-002
Client Sample ID: Well 727

Report Date: 06/20/11
Collection Date: 04/20/11
Date Received: 04/22/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|-----|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.9 | pCi/L | U | 0.9 | | E909.0 | 06/09/11 22:09 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 06/09/11 22:09 / eli-cs |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 06/09/11 22:09 / eli-cs |
| Polonium 210 | <0.8 | pCi/L | U | 0.8 | | E912.0 | 05/09/11 09:07 / ep |
| Polonium 210 precision (±) | 0.5 | pCi/L | | | | E912.0 | 05/09/11 09:07 / ep |
| Polonium 210 MDC | 0.8 | pCi/L | | | | E912.0 | 05/09/11 09:07 / ep |
| Radium 226 | 0.1 | pCi/L | | 0.1 | | E903.0 | 05/09/11 16:29 / trs |
| Radium 226 precision (±) | 0.09 | pCi/L | | | | E903.0 | 05/09/11 16:29 / trs |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 05/09/11 16:29 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 05/20/11 16:22 / dmf |
| Thorium 230 precision (±) | 0.09 | pCi/L | | | | E908.0 | 05/20/11 16:22 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 05/20/11 16:22 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.9 | pCi/L | U | 0.9 | | E909.0 | 06/11/11 05:17 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 06/11/11 05:17 / eli-cs |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 06/11/11 05:17 / eli-cs |
| Polonium 210 | <0.2 | pCi/L | U | 0.2 | | E912.0 | 05/05/11 11:49 / ep |
| Polonium 210 precision (±) | 0.09 | pCi/L | | | | E912.0 | 05/05/11 11:49 / ep |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 05/05/11 11:49 / ep |
| Radium 226 | <0.1 | pCi/L | U | 0.1 | | E903.0 | 05/11/11 10:48 / trs |
| Radium 226 precision (±) | 0.07 | pCi/L | | | | E903.0 | 05/11/11 10:48 / trs |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 05/11/11 10:48 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 05/09/11 14:36 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 05/09/11 14:36 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 05/09/11 14:36 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | -1.03 | % | | | | Calculation | 05/25/11 07:49 / kbh |
| Anions | 3.62 | meq/L | | | | Calculation | 05/25/11 07:49 / kbh |
| Cations | 3.54 | meq/L | | | | Calculation | 05/25/11 07:49 / kbh |
| Solids, Total Dissolved Calculated | 283 | mg/L | | | | Calculation | 05/25/11 07:49 / kbh |
| TDS Balance (0.80 - 1.20) | 0.880 | | | | | Calculation | 05/25/11 07:49 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11040726-003
Client Sample ID: Well 788

Report Date: 06/20/11
Collection Date: 04/20/11
Date Received: 04/22/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 152 | mg/L | | 1 | | A2320 B | 04/22/11 18:20 / jba |
| Carbonate as CO ₃ | ND | mg/L | | 1 | | A2320 B | 04/22/11 18:20 / jba |
| Bicarbonate as HCO ₃ | 185 | mg/L | | 1 | | A2320 B | 04/22/11 18:20 / jba |
| Calcium | 34 | mg/L | | 1 | | E200.7 | 05/13/11 13:54 / cp |
| Chloride | 3 | mg/L | | 1 | | E300.0 | 04/26/11 10:49 / ljl |
| Fluoride | 0.4 | mg/L | | 0.1 | | A4500-F C | 04/25/11 12:34 / jba |
| Magnesium | 9 | mg/L | | 1 | | E200.7 | 05/13/11 13:54 / cp |
| Nitrogen, Ammonia as N | ND | mg/L | | 0.05 | | A4500-NH ₃ G | 04/25/11 12:28 / dc |
| Nitrogen, Nitrate+Nitrite as N | 2.1 | mg/L | | 0.1 | | E353.2 | 04/29/11 13:09 / dc |
| Potassium | 4 | mg/L | | 1 | | E200.7 | 05/13/11 13:54 / cp |
| Silica | 69.5 | mg/L | | 0.2 | | E200.7 | 05/19/11 13:34 / cp |
| Sodium | 19 | mg/L | | 1 | | E200.7 | 05/13/11 13:54 / cp |
| Sulfate | 7 | mg/L | | 1 | | E300.0 | 04/26/11 10:49 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 308 | umhos/cm | | 1 | | A2510 B | 04/22/11 16:05 / lr |
| pH | 8.02 | s.u. | | 0.01 | | A4500-H B | 04/22/11 16:05 / lr |
| Solids, Total Dissolved TDS @ 180 C | 235 | mg/L | | 10 | | A2540 C | 04/22/11 16:24 / lmc |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.8 | 04/26/11 21:29 / sml |
| Arsenic | 0.003 | mg/L | | 0.001 | | E200.8 | 04/26/11 21:29 / sml |
| Barium | 0.1 | mg/L | | 0.1 | | E200.8 | 04/26/11 21:29 / sml |
| Boron | ND | mg/L | | 0.1 | | E200.7 | 05/13/11 13:54 / cp |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 04/26/11 21:29 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 04/26/11 21:29 / sml |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 04/26/11 21:29 / sml |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 05/13/11 13:54 / cp |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 04/26/11 21:29 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 04/26/11 21:29 / sml |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 04/26/11 21:29 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 04/26/11 21:29 / sml |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 04/26/11 21:29 / sml |
| Selenium | 0.001 | mg/L | | 0.001 | | E200.8 | 04/26/11 21:29 / sml |
| Uranium | 0.0071 | mg/L | | 0.0003 | | E200.8 | 04/26/11 21:29 / sml |
| Uranium, Activity | 4.8E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 04/26/11 21:29 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 04/26/11 21:29 / sml |
| Zinc | 0.04 | mg/L | | 0.01 | | E200.7 | 05/13/11 13:54 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 04/30/11 07:44 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 04/30/11 07:44 / sml |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11040726-003
Client Sample ID: Well 788

Report Date: 06/20/11
Collection Date: 04/20/11
Date Received: 04/22/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|-----|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.9 | pCi/L | U | 0.9 | | E909.0 | 06/09/11 23:15 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 06/09/11 23:15 / eli-cs |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 06/09/11 23:15 / eli-cs |
| Polonium 210 | <0.7 | pCi/L | U | 0.7 | | E912.0 | 05/09/11 09:07 / ep |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 05/09/11 09:07 / ep |
| Polonium 210 MDC | 0.7 | pCi/L | | | | E912.0 | 05/09/11 09:07 / ep |
| Radium 226 | 0.3 | pCi/L | | 0.1 | | E903.0 | 05/09/11 16:29 / trs |
| Radium 226 precision (±) | 0.1 | pCi/L | | | | E903.0 | 05/09/11 16:29 / trs |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 05/09/11 16:29 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 05/20/11 16:22 / dmf |
| Thorium 230 precision (±) | 0.09 | pCi/L | | | | E908.0 | 05/20/11 16:22 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 05/20/11 16:22 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.9 | pCi/L | U | 0.9 | | E909.0 | 06/11/11 06:23 / eli-cs |
| Lead 210 precision (±) | 0.6 | pCi/L | | | | E909.0 | 06/11/11 06:23 / eli-cs |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 06/11/11 06:23 / eli-cs |
| Polonium 210 | <0.2 | pCi/L | U | 0.2 | | E912.0 | 05/05/11 11:49 / ep |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 05/05/11 11:49 / ep |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 05/05/11 11:49 / ep |
| Radium 226 | <0.1 | pCi/L | U | 0.1 | | E903.0 | 05/11/11 10:48 / trs |
| Radium 226 precision (±) | 0.08 | pCi/L | | | | E903.0 | 05/11/11 10:48 / trs |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 05/11/11 10:48 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 05/09/11 14:36 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 05/09/11 14:36 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 05/09/11 14:36 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | -0.665 | % | | | | Calculation | 05/25/11 07:50 / kbh |
| Anions | 3.44 | meq/L | | | | Calculation | 05/25/11 07:50 / kbh |
| Cations | 3.39 | meq/L | | | | Calculation | 05/25/11 07:50 / kbh |
| Solids, Total Dissolved Calculated | 265 | mg/L | | | | Calculation | 05/25/11 07:50 / kbh |
| TDS Balance (0.80 - 1.20) | 0.890 | | | | | Calculation | 05/25/11 07:50 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11040726-004
Client Sample ID: BOW-8

Report Date: 06/20/11
Collection Date: 04/19/11
Date Received: 04/22/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 182 | mg/L | | 1 | | A2320 B | 04/22/11 18:29 / jba |
| Carbonate as CO ₃ | 24 | mg/L | | 1 | | A2320 B | 04/22/11 18:29 / jba |
| Bicarbonate as HCO ₃ | 172 | mg/L | | 1 | | A2320 B | 04/22/11 18:29 / jba |
| Calcium | 8 | mg/L | | 1 | | E200.7 | 05/13/11 13:58 / cp |
| Chloride | 13 | mg/L | | 1 | | E300.0 | 04/26/11 11:05 / ljl |
| Fluoride | 0.5 | mg/L | | 0.1 | | A4500-F C | 04/25/11 12:49 / jba |
| Magnesium | ND | mg/L | | 1 | | E200.7 | 05/13/11 13:58 / cp |
| Nitrogen, Ammonia as N | ND | mg/L | | 0.05 | | A4500-NH ₃ G | 04/25/11 12:30 / dc |
| Nitrogen, Nitrate+Nitrite as N | 0.6 | mg/L | | 0.1 | | E353.2 | 04/29/11 13:11 / dc |
| Potassium | 12 | mg/L | | 1 | | E200.7 | 05/13/11 13:58 / cp |
| Silica | 76.3 | mg/L | | 0.2 | | E200.7 | 05/19/11 13:38 / cp |
| Sodium | 90 | mg/L | | 1 | | E200.7 | 05/13/11 13:58 / cp |
| Sulfate | 24 | mg/L | | 1 | | E300.0 | 04/26/11 11:05 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 428 | umhos/cm | | 1 | | A2510 B | 04/22/11 16:06 / lr |
| pH | 9.15 | s.u. | | 0.01 | | A4500-H B | 04/22/11 16:06 / lr |
| Solids, Total Dissolved TDS @ 180 C | 326 | mg/L | | 10 | | A2540 C | 04/22/11 16:24 / lmc |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.8 | 04/26/11 21:36 / sml |
| Arsenic | 0.005 | mg/L | | 0.001 | | E200.8 | 04/26/11 21:36 / sml |
| Barium | ND | mg/L | | 0.1 | | E200.8 | 04/26/11 21:36 / sml |
| Boron | ND | mg/L | | 0.1 | | E200.7 | 05/13/11 13:58 / cp |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 04/26/11 21:36 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 04/26/11 21:36 / sml |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 04/26/11 21:36 / sml |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 05/13/11 13:58 / cp |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 04/26/11 21:36 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 04/26/11 21:36 / sml |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 04/26/11 21:36 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 04/26/11 21:36 / sml |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 04/26/11 21:36 / sml |
| Selenium | ND | mg/L | | 0.001 | | E200.8 | 04/26/11 21:36 / sml |
| Uranium | 0.0070 | mg/L | | 0.0003 | | E200.8 | 04/26/11 21:36 / sml |
| Uranium, Activity | 4.7E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 04/26/11 21:36 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 04/26/11 21:36 / sml |
| Zinc | 0.01 | mg/L | | 0.01 | | E200.7 | 05/13/11 13:58 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 04/30/11 07:48 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 04/30/11 07:48 / sml |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11040726-004
Client Sample ID: BOW-8

Report Date: 06/20/11
Collection Date: 04/19/11
Date Received: 04/22/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|-----|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.9 | pCi/L | U | 0.9 | | E909.0 | 06/10/11 00:21 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 06/10/11 00:21 / eli-cs |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 06/10/11 00:21 / eli-cs |
| Polonium 210 | <1.1 | pCi/L | U | 1.1 | | E912.0 | 05/09/11 11:17 / ep |
| Polonium 210 precision (±) | 0.9 | pCi/L | | | | E912.0 | 05/09/11 11:17 / ep |
| Polonium 210 MDC | 1.1 | pCi/L | | | | E912.0 | 05/09/11 11:17 / ep |
| Radium 226 | <0.1 | pCi/L | U | 0.1 | | E903.0 | 05/09/11 16:29 / trs |
| Radium 226 precision (±) | 0.08 | pCi/L | | | | E903.0 | 05/09/11 16:29 / trs |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 05/09/11 16:29 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 05/20/11 16:22 / dmf |
| Thorium 230 precision (±) | 0.09 | pCi/L | | | | E908.0 | 05/20/11 16:22 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 05/20/11 16:22 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.9 | pCi/L | U | 0.9 | | E909.0 | 06/11/11 07:29 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 06/11/11 07:29 / eli-cs |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 06/11/11 07:29 / eli-cs |
| Polonium 210 | <0.4 | pCi/L | U | 0.4 | | E912.0 | 05/05/11 11:49 / ep |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 05/05/11 11:49 / ep |
| Polonium 210 MDC | 0.4 | pCi/L | | | | E912.0 | 05/05/11 11:49 / ep |
| Radium 226 | <0.1 | pCi/L | U | 0.1 | | E903.0 | 05/11/11 10:48 / trs |
| Radium 226 precision (±) | 0.05 | pCi/L | | | | E903.0 | 05/11/11 10:48 / trs |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 05/11/11 10:48 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 05/09/11 14:37 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 05/09/11 14:37 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 05/09/11 14:37 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 0.853 | % | | | | Calculation | 05/25/11 07:50 / kbh |
| Anions | 4.57 | meq/L | | | | Calculation | 05/25/11 07:50 / kbh |
| Cations | 4.65 | meq/L | | | | Calculation | 05/25/11 07:50 / kbh |
| Solids, Total Dissolved Calculated | 356 | mg/L | | | | Calculation | 05/25/11 07:50 / kbh |
| TDS Balance (0.80 - 1.20) | 0.920 | | | | | Calculation | 05/25/11 07:50 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11040726-005
Client Sample ID: BOW-7

Report Date: 06/20/11
Collection Date: 04/19/11
Date Received: 04/22/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 185 | mg/L | | 1 | | A2320 B | 04/22/11 18:38 / jba |
| Carbonate as CO ₃ | 21 | mg/L | | 1 | | A2320 B | 04/22/11 18:38 / jba |
| Bicarbonate as HCO ₃ | 182 | mg/L | | 1 | | A2320 B | 04/22/11 18:38 / jba |
| Calcium | 5 | mg/L | | 1 | | E200.7 | 05/13/11 14:02 / cp |
| Chloride | 28 | mg/L | | 1 | | E300.0 | 04/26/11 11:20 / ljl |
| Fluoride | 0.6 | mg/L | | 0.1 | | A4500-F C | 04/25/11 12:58 / jba |
| Magnesium | ND | mg/L | | 1 | | E200.7 | 05/13/11 14:02 / cp |
| Nitrogen, Ammonia as N | ND | mg/L | | 0.05 | | A4500-NH ₃ G | 05/04/11 12:25 / dc |
| Nitrogen, Nitrate+Nitrite as N | 1.0 | mg/L | | 0.1 | | E353.2 | 04/29/11 13:21 / dc |
| Potassium | 10 | mg/L | | 1 | | E200.7 | 05/13/11 14:02 / cp |
| Silica | 76.9 | mg/L | | 0.2 | | E200.7 | 05/19/11 13:42 / cp |
| Sodium | 119 | mg/L | | 1 | | E200.7 | 05/13/11 14:02 / cp |
| Sulfate | 54 | mg/L | D | 2 | | E300.0 | 04/26/11 11:20 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 540 | umhos/cm | | 1 | | A2510 B | 04/22/11 16:08 / lr |
| pH | 9.00 | s.u. | | 0.01 | | A4500-H B | 04/22/11 16:08 / lr |
| Solids, Total Dissolved TDS @ 180 C | 411 | mg/L | | 10 | | A2540 C | 04/22/11 16:25 / lmc |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.8 | 04/26/11 21:43 / sml |
| Arsenic | 0.029 | mg/L | | 0.001 | | E200.8 | 04/26/11 21:43 / sml |
| Barium | ND | mg/L | | 0.1 | | E200.8 | 04/26/11 21:43 / sml |
| Boron | 0.1 | mg/L | | 0.1 | | E200.7 | 05/13/11 14:02 / cp |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 04/26/11 21:43 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 04/26/11 21:43 / sml |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 04/26/11 21:43 / sml |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 05/13/11 14:02 / cp |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 04/26/11 21:43 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 04/26/11 21:43 / sml |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 04/26/11 21:43 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 04/26/11 21:43 / sml |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 04/26/11 21:43 / sml |
| Selenium | 0.220 | mg/L | | 0.001 | | E200.8 | 04/26/11 21:43 / sml |
| Uranium | 0.0049 | mg/L | | 0.0003 | | E200.8 | 04/26/11 21:43 / sml |
| Uranium, Activity | 3.3E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 04/26/11 21:43 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 04/26/11 21:43 / sml |
| Zinc | 0.01 | mg/L | | 0.01 | | E200.7 | 05/13/11 14:02 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | 0.0004 | mg/L | | 0.0003 | | E200.8 | 04/30/11 07:52 / sml |
| Uranium, Activity | 3.2E-10 | uCi/mL | | 2.0E-10 | | E200.8 | 04/30/11 07:52 / sml |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11040726-005
Client Sample ID: BOW-7

Report Date: 06/20/11
Collection Date: 04/19/11
Date Received: 04/22/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|-----|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.9 | pCi/L | U | 0.9 | | E909.0 | 06/10/11 01:27 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 06/10/11 01:27 / eli-cs |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 06/10/11 01:27 / eli-cs |
| Polonium 210 | <0.6 | pCi/L | U | 0.6 | | E912.0 | 05/09/11 11:17 / ep |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 05/09/11 11:17 / ep |
| Polonium 210 MDC | 0.6 | pCi/L | | | | E912.0 | 05/09/11 11:17 / ep |
| Radium 226 | 0.5 | pCi/L | | 0.1 | | E903.0 | 05/09/11 16:29 / trs |
| Radium 226 precision (±) | 0.1 | pCi/L | | | | E903.0 | 05/09/11 16:29 / trs |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 05/09/11 16:29 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 05/20/11 16:22 / dmf |
| Thorium 230 precision (±) | 0.08 | pCi/L | | | | E908.0 | 05/20/11 16:22 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 05/20/11 16:22 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.9 | pCi/L | U | 0.9 | | E909.0 | 06/11/11 08:35 / eli-cs |
| Lead 210 precision (±) | 0.6 | pCi/L | | | | E909.0 | 06/11/11 08:35 / eli-cs |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 06/11/11 08:35 / eli-cs |
| Polonium 210 | 0.5 | pCi/L | | 0.2 | | E912.0 | 05/05/11 11:49 / ep |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 05/05/11 11:49 / ep |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 05/05/11 11:49 / ep |
| Radium 226 | 0.3 | pCi/L | | 0.1 | | E903.0 | 05/11/11 10:48 / trs |
| Radium 226 precision (±) | 0.1 | pCi/L | | | | E903.0 | 05/11/11 10:48 / trs |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 05/11/11 10:48 / trs |
| Thorium 230 | 0.2 | pCi/L | | 0.1 | | E908.0 | 05/09/11 14:37 / dmf |
| Thorium 230 precision (±) | 0.1 | pCi/L | | | | E908.0 | 05/09/11 14:37 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 05/09/11 14:37 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 0.159 | % | | | | Calculation | 05/25/11 07:50 / kbh |
| Anions | 5.71 | meq/L | | | | Calculation | 05/25/11 07:50 / kbh |
| Cations | 5.73 | meq/L | | | | Calculation | 05/25/11 07:50 / kbh |
| Solids, Total Dissolved Calculated | 430 | mg/L | | | | Calculation | 05/25/11 07:50 / kbh |
| TDS Balance (0.80 - 1.20) | 0.960 | | | | | Calculation | 05/25/11 07:50 / kbh |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11040726-006
Client Sample ID: BOW-4A

Report Date: 06/20/11
Collection Date: 04/19/11
Date Received: 04/22/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 131 | mg/L | | 1 | | A2320 B | 04/22/11 18:47 / jba |
| Carbonate as CO ₃ | 32 | mg/L | | 1 | | A2320 B | 04/22/11 18:47 / jba |
| Bicarbonate as HCO ₃ | 95 | mg/L | | 1 | | A2320 B | 04/22/11 18:47 / jba |
| Calcium | 7 | mg/L | | 1 | | E200.7 | 05/13/11 14:18 / cp |
| Chloride | 33 | mg/L | | 1 | | E300.0 | 04/26/11 12:07 / ljl |
| Fluoride | 0.5 | mg/L | | 0.1 | | A4500-F C | 04/25/11 13:02 / jba |
| Magnesium | ND | mg/L | | 1 | | E200.7 | 05/13/11 14:18 / cp |
| Nitrogen, Ammonia as N | ND | mg/L | | 0.05 | | A4500-NH ₃ G | 05/04/11 12:27 / dc |
| Nitrogen, Nitrate+Nitrite as N | 1.2 | mg/L | | 0.1 | | E353.2 | 04/29/11 13:24 / dc |
| Potassium | 9 | mg/L | | 1 | | E200.7 | 05/13/11 14:18 / cp |
| Silica | 70.6 | mg/L | | 0.2 | | E200.7 | 05/19/11 13:47 / cp |
| Sodium | 95 | mg/L | | 1 | | E200.7 | 05/13/11 14:18 / cp |
| Sulfate | 50 | mg/L | | 1 | | E300.0 | 04/26/11 12:07 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 474 | umhos/cm | | 1 | | A2510 B | 04/22/11 16:09 / lr |
| pH | 9.40 | s.u. | | 0.01 | | A4500-H B | 04/22/11 16:09 / lr |
| Solids, Total Dissolved TDS @ 180 C | 345 | mg/L | | 10 | | A2540 C | 04/22/11 16:26 / lmc |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.8 | 04/26/11 21:49 / sml |
| Arsenic | 0.014 | mg/L | | 0.001 | | E200.8 | 04/26/11 21:49 / sml |
| Barium | ND | mg/L | | 0.1 | | E200.8 | 04/26/11 21:49 / sml |
| Boron | 0.1 | mg/L | | 0.1 | | E200.7 | 05/13/11 14:18 / cp |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 04/26/11 21:49 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 04/26/11 21:49 / sml |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 04/26/11 21:49 / sml |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 05/13/11 14:18 / cp |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 04/26/11 21:49 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 04/26/11 21:49 / sml |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 04/26/11 21:49 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 04/26/11 21:49 / sml |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 04/26/11 21:49 / sml |
| Selenium | 0.011 | mg/L | | 0.001 | | E200.8 | 04/26/11 21:49 / sml |
| Uranium | 0.0053 | mg/L | | 0.0003 | | E200.8 | 04/26/11 21:49 / sml |
| Uranium, Activity | 3.6E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 04/26/11 21:49 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 04/26/11 21:49 / sml |
| Zinc | 0.01 | mg/L | | 0.01 | | E200.7 | 05/13/11 14:18 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 04/30/11 07:56 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 04/30/11 07:56 / sml |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11040726-006
Client Sample ID: BOW-4A

Report Date: 06/20/11
Collection Date: 04/19/11
Date Received: 04/22/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|--------|-------|-----------|-----|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <1.9 | pCi/L | U | 1.9 | | E909.0 | 06/13/11 10:19 / eli-cs |
| Lead 210 precision (±) | 1.1 | pCi/L | | | | E909.0 | 06/13/11 10:19 / eli-cs |
| Lead 210 MDC | 1.9 | pCi/L | | | | E909.0 | 06/13/11 10:19 / eli-cs |
| Polonium 210 | <0.7 | pCi/L | U | 0.7 | | E912.0 | 05/09/11 11:17 / ep |
| Polonium 210 precision (±) | 0.5 | pCi/L | | | | E912.0 | 05/09/11 11:17 / ep |
| Polonium 210 MDC | 0.7 | pCi/L | | | | E912.0 | 05/09/11 11:17 / ep |
| Radium 226 | 0.2 | pCi/L | | 0.1 | | E903.0 | 05/09/11 16:29 / trs |
| Radium 226 precision (±) | 0.1 | pCi/L | | | | E903.0 | 05/09/11 16:29 / trs |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 05/09/11 16:29 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 05/23/11 09:10 / dmf |
| Thorium 230 precision (±) | 0.09 | pCi/L | | | | E908.0 | 05/23/11 09:10 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 05/23/11 09:10 / dmf |
| - See Case Narrative regarding Pb210 analysis. | | | | | | | |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.9 | pCi/L | U | 0.9 | | E909.0 | 06/11/11 09:41 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 06/11/11 09:41 / eli-cs |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 06/11/11 09:41 / eli-cs |
| Polonium 210 | <0.2 | pCi/L | U | 0.2 | | E912.0 | 05/05/11 11:49 / ep |
| Polonium 210 precision (±) | 0.1 | pCi/L | | | | E912.0 | 05/05/11 11:49 / ep |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 05/05/11 11:49 / ep |
| Radium 226 | <0.1 | pCi/L | U | 0.1 | | E903.0 | 05/11/11 10:48 / trs |
| Radium 226 precision (±) | 0.05 | pCi/L | | | | E903.0 | 05/11/11 10:48 / trs |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 05/11/11 10:48 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 05/09/11 14:37 / dmf |
| Thorium 230 precision (±) | 0.09 | pCi/L | | | | E908.0 | 05/09/11 14:37 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 05/09/11 14:37 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 0.755 | % | | | | Calculation | 05/25/11 07:51 / kbh |
| Anions | 4.70 | meq/L | | | | Calculation | 05/25/11 07:51 / kbh |
| Cations | 4.77 | meq/L | | | | Calculation | 05/25/11 07:51 / kbh |
| Solids, Total Dissolved Calculated | 368 | mg/L | | | | Calculation | 05/25/11 07:51 / kbh |
| TDS Balance (0.80 - 1.20) | 0.940 | | | | | Calculation | 05/25/11 07:51 / kbh |

Report Definitions:
RL - Analyte reporting limit.
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MCL - Maximum contaminant level.
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U - Not detected at minimum detectable concentration



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 06/20/11

Project: Marsland Baseline Samples

Work Order: C11040726

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|--|-------|---------------------------|-------|-----|------|-----------|----------------------|-----|----------|----------------|
| Method: A2320 B | | | | | | | | | | Batch: R145099 |
| Sample ID: MBLK | 3 | Method Blank | | | | | Run: MANTECH_110422A | | | 04/22/11 15:42 |
| Alkalinity, Total as CaCO ₃ | | 2.86 | mg/L | 1.0 | | | | | | |
| Carbonate as CO ₃ | | ND | mg/L | 1.0 | | | | | | |
| Bicarbonate as HCO ₃ | | 3.48 | mg/L | 1.0 | | | | | | |
| Sample ID: LCS | | Laboratory Control Sample | | | | | Run: MANTECH_110422A | | | 04/22/11 15:59 |
| Alkalinity, Total as CaCO ₃ | | 214 | mg/L | 5.0 | 106 | 90 | 110 | | | |
| Sample ID: C11040680-001BDUP | | Sample Duplicate | | | | | Run: MANTECH_110422A | | | 04/22/11 16:54 |
| Alkalinity, Total as CaCO ₃ | | 536 | mg/L | 5.0 | | | | 0.7 | 10 | |
| Sample ID: C11040680-001BMS | | Sample Matrix Spike | | | | | Run: MANTECH_110422A | | | 04/22/11 17:03 |
| Alkalinity, Total as CaCO ₃ | | 670 | mg/L | 5.0 | 111 | 80 | 120 | | | |

Qualifiers:

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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 06/20/11

Project: Marsland Baseline Samples

Work Order: C11040726

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|---|----------|-----|------|-----------|-------------------------------------|-----|----------|----------------|
| Method: A2510 B | | | | | | | Analytical Run: ORION555A-2_110422A | | | |
| Sample ID: ICV2_110422_1 | | Initial Calibration Verification Standard | | | | | | | | 04/22/11 14:44 |
| Conductivity @ 25 C | | 1380 | umhos/cm | 1.0 | 97 | 90 | 110 | | | |
| Method: A2510 B | | | | | | | Batch: 110422_1_PH-W_555A-2 | | | |
| Sample ID: MBLK1_110422_1 | | Method Blank | | | | | | | | 04/22/11 14:40 |
| Conductivity @ 25 C | | ND | umhos/cm | 1.0 | | | | | | |
| Sample ID: C11040726-006BDUP | | Sample Duplicate | | | | | | | | 04/22/11 16:11 |
| Conductivity @ 25 C | | 475 | umhos/cm | 1.0 | | | | 0.2 | 10 | |

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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples

Report Date: 06/20/11
Work Order: C11040726

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|---------------------------|-------|----|------|--------------------|------------|----------------------------|----------|------|
| Method: A2540 C | | | | | | | | Batch: 110422_1_SLDS-TDS-W | | |
| Sample ID: MBLK1_110422 | | Method Blank | | | | Run: BAL-1_110422B | | 04/22/11 16:09 | | |
| Solids, Total Dissolved TDS @ 180 C | | ND | mg/L | 10 | | | | | | |
| Sample ID: LCS1_110422 | | Laboratory Control Sample | | | | Run: BAL-1_110422B | | 04/22/11 16:09 | | |
| Solids, Total Dissolved TDS @ 180 C | | 1000 | mg/L | 10 | 100 | 90 | 110 | | | |
| Sample ID: C11040726-005ADUP | | Sample Duplicate | | | | Run: BAL-1_110422B | | 04/22/11 16:25 | | |
| Solids, Total Dissolved TDS @ 180 C | | 400 | mg/L | 10 | | | | 2.6 | 10 | |
| Sample ID: C11040726-006AMS | | Sample Matrix Spike | | | | Run: BAL-1_110422B | | 04/22/11 16:26 | | |
| Solids, Total Dissolved TDS @ 180 C | | 2410 | mg/L | 10 | 103 | 90 | 110 | | | |

Qualifiers:

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MDC - Minimum detectable concentration



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 06/20/11

Project: Marsland Baseline Samples

Work Order: C11040726

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|------------------------------|-------|-------------------------------|-------|------|------|-----------|----------------------|-----|----------|----------------|
| Method: A4500-F C | | | | | | | | | | Batch: R145123 |
| Sample ID: MBLK | | Method Blank | | | | | Run: MANTECH_110425A | | | 04/25/11 10:38 |
| Fluoride | | ND | mg/L | 0.10 | | | | | | |
| Sample ID: LCS | | Laboratory Control Sample | | | | | Run: MANTECH_110425A | | | 04/25/11 10:40 |
| Fluoride | | 1.00 | mg/L | 0.10 | 98 | 90 | 110 | | | |
| Sample ID: C11040726-004BMS | | Sample Matrix Spike | | | | | Run: MANTECH_110425A | | | 04/25/11 12:52 |
| Fluoride | | 1.49 | mg/L | 0.10 | 100 | 80 | 120 | | | |
| Sample ID: C11040726-004BMDS | | Sample Matrix Spike Duplicate | | | | | Run: MANTECH_110425A | | | 04/25/11 12:55 |
| Fluoride | | 1.49 | mg/L | 0.10 | 100 | 80 | 120 | 0.0 | 10 | |

Qualifiers:

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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 06/20/11

Project: Marsland Baseline Samples

Work Order: C11040726

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|---|-------|-------|------|-----------|-------------------------------------|-----|----------|---|
| Method: A4500-H B | | | | | | | Analytical Run: ORION555A-2_110422A | | | |
| Sample ID: ICV1_110422_1 | | Initial Calibration Verification Standard | | | | | | | | 04/22/11 14:42 |
| pH | | 6.91 | s.u. | 0.010 | 101 | 98 | 102 | | | |
| Method: A4500-H B | | | | | | | Batch: 110422_1_PH-W_555A-2 | | | |
| Sample ID: C11040726-006BDUP | | Sample Duplicate | | | | | | | | Run: ORION555A-2_110422A 04/22/11 16:11 |
| pH | | 9.40 | s.u. | 0.010 | | | | 0.0 | 3 | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples

Report Date: 06/20/11
Work Order: C11040726

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|-------|------|-----------|------------|-----|----------|---------------------------------------|
| Method: A4500-NH3 G | | | | | | | | | | Batch: R145125 |
| Sample ID: MBLK-1 | | Method Blank | | | | | | | | Run: TECHNICON_110425A 04/25/11 11:32 |
| Nitrogen, Ammonia as N | | ND | mg/L | 0.050 | | | | | | |
| Sample ID: LCS-2 | | Laboratory Control Sample | | | | | | | | Run: TECHNICON_110425A 04/25/11 11:34 |
| Nitrogen, Ammonia as N | | 2.01 | mg/L | 0.050 | 100 | 90 | 110 | | | |
| Sample ID: C11040646-001EMS | | Sample Matrix Spike | | | | | | | | Run: TECHNICON_110425A 04/25/11 12:16 |
| Nitrogen, Ammonia as N | | 1.96 | mg/L | 0.050 | 95 | 80 | 120 | | | |
| Sample ID: C11040646-001EMSD | | Sample Matrix Spike Duplicate | | | | | | | | Run: TECHNICON_110425A 04/25/11 12:18 |
| Nitrogen, Ammonia as N | | 1.97 | mg/L | 0.050 | 96 | 80 | 120 | 0.5 | 10 | |
| Method: A4500-NH3 G | | | | | | | | | | Batch: R145477 |
| Sample ID: MBLK-6 | | Method Blank | | | | | | | | Run: TECHNICON_110504A 05/04/11 12:21 |
| Nitrogen, Ammonia as N | | ND | mg/L | 0.050 | | | | | | |
| Sample ID: LCS-7 | | Laboratory Control Sample | | | | | | | | Run: TECHNICON_110504A 05/04/11 12:23 |
| Nitrogen, Ammonia as N | | 1.94 | mg/L | 0.050 | 97 | 90 | 110 | | | |
| Sample ID: C11040852-001DMS | | Sample Matrix Spike | | | | | | | | Run: TECHNICON_110504A 05/04/11 12:35 |
| Nitrogen, Ammonia as N | | 1.79 | mg/L | 0.050 | 91 | 80 | 120 | | | |
| Sample ID: C11040852-001DMSD | | Sample Matrix Spike Duplicate | | | | | | | | Run: TECHNICON_110504A 05/04/11 12:37 |
| Nitrogen, Ammonia as N | | 1.80 | mg/L | 0.050 | 92 | 80 | 120 | 0.6 | 10 | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples

Report Date: 06/20/11
Work Order: C11040726

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|-------|------|-----------|---------------------|-----|----------|----------------|
| Method: E200.7 | | | | | | | | | | Batch: R145849 |
| Sample ID: MB-110513A | 7 | Method Blank | | | | | Run: ICP2-C_110513A | | | 05/13/11 12:21 |
| Boron | | ND | mg/L | 0.10 | | | | | | |
| Calcium | | ND | mg/L | 1.0 | | | | | | |
| Iron | | ND | mg/L | 0.030 | | | | | | |
| Magnesium | | ND | mg/L | 1.0 | | | | | | |
| Potassium | | ND | mg/L | 1.0 | | | | | | |
| Sodium | | ND | mg/L | 1.0 | | | | | | |
| Zinc | | ND | mg/L | 0.010 | | | | | | |
| Sample ID: LFB-110513A | 7 | Laboratory Fortified Blank | | | | | Run: ICP2-C_110513A | | | 05/13/11 12:25 |
| Boron | | 0.937 | mg/L | 0.10 | 94 | 85 | 115 | | | |
| Calcium | | 48.0 | mg/L | 0.50 | 96 | 85 | 115 | | | |
| Iron | | 0.964 | mg/L | 0.030 | 96 | 85 | 115 | | | |
| Magnesium | | 47.1 | mg/L | 0.50 | 94 | 85 | 115 | | | |
| Potassium | | 43.7 | mg/L | 0.50 | 87 | 85 | 115 | | | |
| Sodium | | 51.1 | mg/L | 0.50 | 102 | 85 | 115 | | | |
| Zinc | | 0.944 | mg/L | 0.010 | 94 | 85 | 115 | | | |
| Sample ID: C11040726-001CMS2 | 7 | Sample Matrix Spike | | | | | Run: ICP2-C_110513A | | | 05/13/11 13:38 |
| Boron | | 2.01 | mg/L | 0.10 | 93 | 70 | 130 | | | |
| Calcium | | 130 | mg/L | 1.0 | 94 | 70 | 130 | | | |
| Iron | | 2.05 | mg/L | 0.030 | 98 | 70 | 130 | | | |
| Magnesium | | 106 | mg/L | 1.0 | 95 | 70 | 130 | | | |
| Potassium | | 90.4 | mg/L | 1.0 | 84 | 70 | 130 | | | |
| Sodium | | 119 | mg/L | 1.0 | 98 | 70 | 130 | | | |
| Zinc | | 2.03 | mg/L | 0.010 | 94 | 70 | 130 | | | |
| Sample ID: C11040726-001CMSD | 7 | Sample Matrix Spike Duplicate | | | | | Run: ICP2-C_110513A | | | 05/13/11 13:42 |
| Boron | | 1.99 | mg/L | 0.10 | 92 | 70 | 130 | 1.0 | 20 | |
| Calcium | | 131 | mg/L | 1.0 | 95 | 70 | 130 | 0.9 | 20 | |
| Iron | | 2.03 | mg/L | 0.030 | 97 | 70 | 130 | 1.0 | 20 | |
| Magnesium | | 106 | mg/L | 1.0 | 96 | 70 | 130 | 0.2 | 20 | |
| Potassium | | 90.6 | mg/L | 1.0 | 85 | 70 | 130 | 0.2 | 20 | |
| Sodium | | 116 | mg/L | 1.0 | 95 | 70 | 130 | 2.6 | 20 | |
| Zinc | | 2.01 | mg/L | 0.010 | 93 | 70 | 130 | 1.1 | 20 | |
| Method: E200.7 | | | | | | | | | | Batch: R146055 |
| Sample ID: MB-110519A | | Method Blank | | | | | Run: ICP2-C_110519A | | | 05/19/11 12:44 |
| Silicon | | ND | mg/L | 0.10 | | | | | | |
| Sample ID: LFB-110519A | | Laboratory Fortified Blank | | | | | Run: ICP2-C_110519A | | | 05/19/11 12:48 |
| Silicon | | 0.489 | mg/L | 0.10 | 98 | 85 | 115 | | | |
| Sample ID: C11040726-001CMS2 | | Sample Matrix Spike | | | | | Run: ICP2-C_110519A | | | 05/19/11 13:18 |
| Silicon | | 33.2 | mg/L | 0.10 | | 70 | 130 | | | A |
| Sample ID: C11040726-001CMSD | | Sample Matrix Spike Duplicate | | | | | Run: ICP2-C_110519A | | | 05/19/11 13:22 |
| Silicon | | 33.0 | mg/L | 0.10 | | 70 | 130 | 0.5 | 20 | A |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 06/20/11

Project: Marsland Baseline Samples

Work Order: C11040726

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|----------------------------|-------|---------|------|-----------|------------|-----------------------|----------|----------------|
| Method: E200.8 | | | | | | | | | | Batch: R145209 |
| Sample ID: LRB | 14 | Method Blank | | | | | | Run: ICPMS2-C_110426A | | 04/26/11 10:12 |
| Aluminum | | ND | mg/L | 0.10 | | | | | | |
| Arsenic | | ND | mg/L | 0.0010 | | | | | | |
| Barium | | ND | mg/L | 0.10 | | | | | | |
| Cadmium | | ND | mg/L | 0.0050 | | | | | | |
| Chromium | | ND | mg/L | 0.050 | | | | | | |
| Copper | | ND | mg/L | 0.010 | | | | | | |
| Lead | | ND | mg/L | 0.0010 | | | | | | |
| Manganese | | ND | mg/L | 0.010 | | | | | | |
| Mercury | | ND | mg/L | 0.0010 | | | | | | |
| Molybdenum | | ND | mg/L | 0.10 | | | | | | |
| Nickel | | ND | mg/L | 0.050 | | | | | | |
| Selenium | | ND | mg/L | 0.0010 | | | | | | |
| Uranium | | ND | mg/L | 0.00030 | | | | | | |
| Vanadium | | ND | mg/L | 0.10 | | | | | | |
| Sample ID: LFB | 14 | Laboratory Fortified Blank | | | | | | Run: ICPMS2-C_110426A | | 04/26/11 10:19 |
| Aluminum | | 0.0437 | mg/L | 0.0010 | 87 | 85 | 115 | | | |
| Arsenic | | 0.0490 | mg/L | 0.0010 | 98 | 85 | 115 | | | |
| Barium | | 0.0486 | mg/L | 0.0010 | 97 | 85 | 115 | | | |
| Cadmium | | 0.0486 | mg/L | 0.0010 | 97 | 85 | 115 | | | |
| Chromium | | 0.0496 | mg/L | 0.0010 | 99 | 85 | 115 | | | |
| Copper | | 0.0472 | mg/L | 0.0010 | 94 | 85 | 115 | | | |
| Lead | | 0.0489 | mg/L | 0.0010 | 98 | 85 | 115 | | | |
| Manganese | | 0.0492 | mg/L | 0.0010 | 98 | 85 | 115 | | | |
| Mercury | | 0.00488 | mg/L | 0.0010 | 98 | 85 | 115 | | | |
| Molybdenum | | 0.0490 | mg/L | 0.0010 | 98 | 85 | 115 | | | |
| Nickel | | 0.0480 | mg/L | 0.0010 | 96 | 85 | 115 | | | |
| Selenium | | 0.0482 | mg/L | 0.0010 | 96 | 85 | 115 | | | |
| Uranium | | 0.0501 | mg/L | 0.00030 | 100 | 85 | 115 | | | |
| Vanadium | | 0.0495 | mg/L | 0.0010 | 99 | 85 | 115 | | | |
| Sample ID: C11040726-006CMS4 | 14 | Sample Matrix Spike | | | | | | Run: ICPMS2-C_110426A | | 04/26/11 21:56 |
| Aluminum | | 0.0674 | mg/L | 0.0010 | 112 | 70 | 130 | | | |
| Arsenic | | 0.0645 | mg/L | 0.0010 | 102 | 70 | 130 | | | |
| Barium | | 0.0731 | mg/L | 0.0010 | 100 | 70 | 130 | | | |
| Cadmium | | 0.0492 | mg/L | 0.010 | 99 | 70 | 130 | | | |
| Chromium | | 0.0533 | mg/L | 0.050 | 97 | 70 | 130 | | | |
| Copper | | 0.0488 | mg/L | 0.010 | 97 | 70 | 130 | | | |
| Lead | | 0.0497 | mg/L | 0.0010 | 99 | 70 | 130 | | | |
| Manganese | | 0.0492 | mg/L | 0.010 | 98 | 70 | 130 | | | |
| Mercury | | 0.00491 | mg/L | 0.0010 | 98 | 70 | 130 | | | |
| Molybdenum | | 0.0543 | mg/L | 0.0010 | 98 | 70 | 130 | | | |
| Nickel | | 0.0477 | mg/L | 0.0010 | 95 | 70 | 130 | | | |
| Selenium | | 0.0597 | mg/L | 0.0010 | 96 | 70 | 130 | | | |
| Uranium | | 0.0558 | mg/L | 0.00030 | 101 | 70 | 130 | | | |
| Vanadium | | 0.0607 | mg/L | 0.0010 | 99 | 70 | 130 | | | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 06/20/11

Project: Marsland Baseline Samples

Work Order: C11040726

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|--|-------|---------|------------|---------|------|-----------|------------|-----|----------|--------------------------------------|
| Method: E200.8 | | | | | | | | | | Batch: R145209 |
| Sample ID: C11040726-006CMSD 14 Sample Matrix Spike Duplicate | | | | | | | | | | Run: ICPMS2-C_110426A 04/26/11 22:30 |
| Aluminum | | 0.0507 | mg/L | 0.0010 | 78 | 70 | 130 | 28 | 20 | R |
| Arsenic | | 0.0637 | mg/L | 0.0010 | 100 | 70 | 130 | 1.3 | 20 | |
| Barium | | 0.0729 | mg/L | 0.0010 | 100 | 70 | 130 | 0.3 | 20 | |
| Cadmium | | 0.0491 | mg/L | 0.010 | 98 | 70 | 130 | 0.3 | 20 | |
| Chromium | | 0.0527 | mg/L | 0.050 | 96 | 70 | 130 | 1.0 | 20 | |
| Copper | | 0.0480 | mg/L | 0.010 | 95 | 70 | 130 | 1.6 | 20 | |
| Lead | | 0.0496 | mg/L | 0.0010 | 99 | 70 | 130 | 0.1 | 20 | |
| Manganese | | 0.0487 | mg/L | 0.010 | 97 | 70 | 130 | 1.0 | 20 | |
| Mercury | | 0.00488 | mg/L | 0.0010 | 98 | 70 | 130 | 0.6 | 20 | |
| Molybdenum | | 0.0534 | mg/L | 0.0010 | 96 | 70 | 130 | 1.7 | 20 | |
| Nickel | | 0.0482 | mg/L | 0.0010 | 96 | 70 | 130 | 1.0 | 20 | |
| Selenium | | 0.0591 | mg/L | 0.0010 | 95 | 70 | 130 | 0.9 | 20 | |
| Uranium | | 0.0557 | mg/L | 0.00030 | 101 | 70 | 130 | 0.3 | 20 | |
| Vanadium | | 0.0601 | mg/L | 0.0010 | 98 | 70 | 130 | 1.1 | 20 | |
| Method: E200.8 | | | | | | | | | | Batch: 29662 |
| Sample ID: MB-29662 Method Blank | | | | | | | | | | Run: ICPMS2-C_110429A 04/30/11 06:17 |
| Uranium | | ND | pCi/Filter | 0.00030 | | | | | | |
| Sample ID: LCS2-29662 Laboratory Control Sample | | | | | | | | | | Run: ICPMS2-C_110429A 04/30/11 06:21 |
| Uranium | | 0.103 | pCi/Filter | 0.00030 | 103 | 85 | 115 | | | |
| Sample ID: C11040726-006HMS Sample Matrix Spike | | | | | | | | | | Run: ICPMS2-C_110429A 04/30/11 08:01 |
| Uranium | | 0.00449 | mg/L | 0.0010 | 100 | 70 | 130 | | | |
| Sample ID: C11040726-006HMSD Sample Matrix Spike Duplicate | | | | | | | | | | Run: ICPMS2-C_110429A 04/30/11 08:05 |
| Uranium | | 0.00450 | mg/L | 0.0010 | 101 | 70 | 130 | 0.3 | 20 | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

R - RPD exceeds advisory limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 06/20/11

Project: Marsland Baseline Samples

Work Order: C11040726

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|---|-------|-----|------|-----------|------------|-------------------------------|----------|----------------|
| Method: E300.0 | | | | | | | | Analytical Run: IC2-C_110425A | | |
| Sample ID: ICV-110425 | 2 | Initial Calibration Verification Standard | | | | | | | | 04/25/11 15:18 |
| Chloride | | 9.88 | mg/L | 1.0 | 99 | 90 | 110 | | | |
| Sulfate | | 40.2 | mg/L | 1.0 | 100 | 90 | 110 | | | |
| Method: E300.0 | | | | | | | | Batch: R145190 | | |
| Sample ID: ICB-110425 | 2 | Method Blank | | | | | | | | 04/25/11 15:33 |
| Chloride | | ND | mg/L | 1.0 | | | | | | |
| Sulfate | | ND | mg/L | 1.0 | | | | | | |
| Sample ID: LFB-110425 | 2 | Laboratory Fortified Blank | | | | | | | | 04/25/11 15:48 |
| Chloride | | 9.67 | mg/L | 1.0 | 97 | 90 | 110 | | | |
| Sulfate | | 39.7 | mg/L | 1.0 | 99 | 90 | 110 | | | |
| Sample ID: C11040726-005BMS | 2 | Sample Matrix Spike | | | | | | | | 04/26/11 11:36 |
| Chloride | | 45.7 | mg/L | 1.0 | 94 | 80 | 120 | | | |
| Sulfate | | 131 | mg/L | 1.6 | 100 | 80 | 120 | | | |
| Sample ID: C11040726-005BMSD | 2 | Sample Matrix Spike Duplicate | | | | | | | | 04/26/11 11:51 |
| Chloride | | 45.6 | mg/L | 1.0 | 94 | 80 | 120 | 0.3 | 10 | |
| Sulfate | | 130 | mg/L | 1.6 | 99 | 80 | 120 | 0.5 | 10 | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 06/20/11

Project: Marsland Baseline Samples

Work Order: C11040726

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------------------------------|--------|-------|------|------|-----------|------------|-----|----------|---------------------------------------|
| Method: E353.2 | | | | | | | | | | Batch: R145338 |
| Sample ID: MBLK-1 | Method Blank | | | | | | | | | |
| Nitrogen, Nitrate+Nitrite as N | | ND | mg/L | 0.10 | | | | | | Run: TECHNICON_110429A 04/29/11 11:59 |
| Sample ID: LCS-2 | Laboratory Control Sample | | | | | | | | | |
| Nitrogen, Nitrate+Nitrite as N | | 2.63 | mg/L | 0.10 | 105 | 90 | 110 | | | Run: TECHNICON_110429A 04/29/11 12:01 |
| Sample ID: C11040728-002BMS | Sample Matrix Spike | | | | | | | | | |
| Nitrogen, Nitrate+Nitrite as N | | 2.37 | mg/L | 0.10 | 104 | 90 | 110 | | | Run: TECHNICON_110429A 04/29/11 13:34 |
| Sample ID: C11040728-002BMSD | Sample Matrix Spike Duplicate | | | | | | | | | |
| Nitrogen, Nitrate+Nitrite as N | | 2.42 | mg/L | 0.10 | 106 | 90 | 110 | 2.1 | 10 | Run: TECHNICON_110429A 04/29/11 13:36 |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 06/20/11

Project: Marsland Baseline Samples

Work Order: C11040726

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------------------------------|--------------|-----------|------|------|-----------------------------|------------|-----|----------|-------------------|
| Method: E903.0 | | | | | | | | | | Batch: RA226-5340 |
| Sample ID: LCS-29662 | Laboratory Control Sample | | | | | Run: BERTHOLD 770-2_110505A | | | | 05/11/11 10:48 |
| Radium 226 | | 0.0090 | pCi/g-dry | | 73 | 70 | 130 | | | |
| Sample ID: MB-29662 | 3 | Method Blank | | | | Run: BERTHOLD 770-2_110505A | | | | 05/11/11 10:48 |
| Radium 226 | | ND | pCi/g-dry | 0.10 | | | | | | U |
| Radium 226 precision (\pm) | | 0.00014 | pCi/g-dry | | | | | | | |
| Radium 226 MDC | | 0.00035 | pCi/g-dry | | | | | | | |
| Sample ID: C11040750-008AMS | Sample Matrix Spike | | | | | Run: BERTHOLD 770-2_110505A | | | | 05/11/11 12:48 |
| Radium 226 | | 1.0 | pCi/g-dry | | 97 | 70 | 130 | | | |
| Sample ID: C11040750-008AMSD | Sample Matrix Spike Duplicate | | | | | Run: BERTHOLD 770-2_110505A | | | | 05/11/11 14:25 |
| Radium 226 | | 1.0 | pCi/g-dry | | 96 | 70 | 130 | 0.5 | 23.4 | |
| Method: E903.0 | | | | | | | | | | Batch: RA226-5335 |
| Sample ID: C11040726-006DMS | Sample Matrix Spike | | | | | Run: TENNELEC-3_110503A | | | | 05/09/11 16:29 |
| Radium 226 | | 6.3 | pCi/L | | 96 | 70 | 130 | | | |
| Sample ID: C11040726-006DMSD | Sample Matrix Spike Duplicate | | | | | Run: TENNELEC-3_110503A | | | | 05/09/11 16:29 |
| Radium 226 | | 5.5 | pCi/L | | 84 | 70 | 130 | 13 | 26 | |
| Sample ID: MB-RA226-5335 | 3 | Method Blank | | | | Run: TENNELEC-3_110503A | | | | 05/09/11 21:59 |
| Radium 226 | | 0.15 | pCi/L | 0.10 | | | | | | U |
| Radium 226 precision (\pm) | | 0.093 | pCi/L | | | | | | | |
| Radium 226 MDC | | 0.11 | pCi/L | | | | | | | |
| Sample ID: LCS-RA226-5335 | Laboratory Control Sample | | | | | Run: TENNELEC-3_110503A | | | | 05/09/11 21:59 |
| Radium 226 | | 5.7 | pCi/L | | 88 | 85 | 115 | | | |

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 06/20/11

Project: Marsland Baseline Samples

Work Order: C11040726

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|--------------------------------------|-------------------------------|--------------|-------|------------------------|------|------------------------|------------|----------------|----------|-----------------------|
| Method: E908.0 | | | | | | | | | | Batch: R146350 |
| Sample ID: LCS-29539 | Laboratory Control Sample | | | | | Run: EGG-ORTEC_110504A | | 05/09/11 14:36 | | |
| Thorium 230 | 11 | pCi/L | | 108 | 70 | 130 | | | | |
| Sample ID: MB-29539 | 3 | Method Blank | | Run: EGG-ORTEC_110504A | | 05/09/11 14:36 | | | | |
| Thorium 230 | ND | pCi/L | 0.090 | | | | | | | U |
| Thorium 230 precision (±) | 0.20 | pCi/L | | | | | | | | |
| Thorium 230 MDC | 0.40 | pCi/L | | | | | | | | |
| Sample ID: C11040726-006HMS | Sample Matrix Spike | | | | | Run: EGG-ORTEC_110504A | | 05/09/11 14:37 | | |
| Thorium 230 | 9.9 | pCi/L | | 116 | 70 | 130 | | | | |
| Sample ID: C11040726-006HMSD | Sample Matrix Spike Duplicate | | | | | Run: EGG-ORTEC_110504A | | 05/09/11 14:36 | | |
| Thorium 230 | 8.4 | pCi/L | | 97 | 70 | 130 | 16 | 48.1 | | |
| Method: E908.0 | | | | | | | | | | Batch: RA-TH-ISO-1391 |
| Sample ID: LCS-RA-TH-ISO-1391 | Laboratory Control Sample | | | | | Run: EGG-ORTEC_110518A | | 05/20/11 16:22 | | |
| Thorium 230 | 5.2 | pCi/L | | 91 | 70 | 130 | | | | |
| Sample ID: C11040726-003DMS | Sample Matrix Spike | | | | | Run: EGG-ORTEC_110518A | | 05/20/11 16:22 | | |
| Thorium 230 | 11 | pCi/L | | 101 | 70 | 130 | | | | |
| Sample ID: C11040726-003DMSD | Sample Matrix Spike Duplicate | | | | | Run: EGG-ORTEC_110518A | | 05/20/11 16:22 | | |
| Thorium 230 | 11 | pCi/L | | 96 | 70 | 130 | 5.1 | 39 | | |
| Sample ID: MB-RA-TH-ISO-1391 | 3 | Method Blank | | Run: EGG-ORTEC_110518A | | 05/23/11 09:10 | | | | |
| Thorium 230 | ND | pCi/L | 0.090 | | | | | | | U |
| Thorium 230 precision (±) | 0.093 | pCi/L | | | | | | | | |
| Thorium 230 MDC | 0.15 | pCi/L | | | | | | | | |

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 06/20/11

Project: Marsland Baseline Samples

Work Order: C11040726

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------------------------------|--------------|------------|------|------|-----------------|------------|----------------------|----------|------|
| Method: E909.0 | | | | | | | | Batch: T_PB-210-0106 | | |
| Sample ID: T11040117-004GMSD | Sample Matrix Spike Duplicate | | | | | Run: SUB-T40731 | | 06/09/11 04:32 | | |
| Lead 210 | | 160 | pCi/L | | 106 | 70 | 130 | 9.8 | 16.7 | |
| Sample ID: MB-PB-210-0106 | 3 | Method Blank | | | | Run: SUB-T40731 | | 06/09/11 00:07 | | |
| Lead 210 | | ND | pCi/L | 0.90 | | | | | | U |
| Lead 210 precision (±) | | 1.0 | pCi/L | | | | | | | |
| Lead 210 MDC | | 1.7 | pCi/L | | | | | | | |
| Sample ID: LCS-PB-210-0106 | Laboratory Control Sample | | | | | Run: SUB-T40731 | | 06/09/11 01:13 | | |
| Lead 210 | | 54 | pCi/L | | 99 | 70 | 130 | | | |
| Sample ID: T11040117-004GMS | Sample Matrix Spike | | | | | Run: SUB-T40731 | | 06/09/11 03:26 | | |
| Lead 210 | | 150 | pCi/L | | 96 | 70 | 130 | | | |
| Method: E909.0 | | | | | | | | Batch: T_13936 | | |
| Sample ID: MB-13936 | 3 | Method Blank | | | | Run: SUB-T40778 | | 06/10/11 16:04 | | |
| Lead 210 | | ND | pCi/Filter | 0.90 | | | | | | U |
| Lead 210 precision (±) | | 6.19 | pCi/Filter | | | | | | | |
| Lead 210 MDC | | 10.6 | pCi/Filter | | | | | | | |
| Sample ID: LCS-13936 | Laboratory Control Sample | | | | | Run: SUB-T40778 | | 06/10/11 17:10 | | |
| Lead 210 | | 305 | pCi/Filter | | 87 | 70 | 130 | | | |
| Sample ID: C11040613-001AMS | Sample Matrix Spike | | | | | Run: SUB-T40778 | | 06/10/11 19:22 | | |
| Lead 210 | | 1030 | pCi/Filter | | 92 | 70 | 130 | | | |
| Sample ID: C11040613-001AMSD | Sample Matrix Spike Duplicate | | | | | Run: SUB-T40778 | | 06/10/11 20:28 | | |
| Lead 210 | | 1010 | pCi/Filter | | 88 | 70 | 130 | 1.9 | 16.6 | |
| Method: E909.0 | | | | | | | | Batch: T_PB-210-0107 | | |
| Sample ID: C11040726-006FMSD | Sample Matrix Spike Duplicate | | | | | Run: SUB-T40779 | | 06/13/11 12:31 | | |
| Lead 210 | | 100 | pCi/L | | 95 | 70 | 130 | 4.8 | 16.8 | |
| Sample ID: MB-PB-210-0107 | 3 | Method Blank | | | | Run: SUB-T40779 | | 06/13/11 08:07 | | |
| Lead 210 | | ND | pCi/L | 0.90 | | | | | | U |
| Lead 210 precision (±) | | 0.99 | pCi/L | | | | | | | |
| Lead 210 MDC | | 1.7 | pCi/L | | | | | | | |
| Sample ID: LCS-PB-210-0107 | Laboratory Control Sample | | | | | Run: SUB-T40779 | | 06/13/11 09:13 | | |
| Lead 210 | | 53 | pCi/L | | 98 | 70 | 130 | | | |
| Sample ID: C11040726-006FMS | Sample Matrix Spike | | | | | Run: SUB-T40779 | | 06/13/11 11:25 | | |
| Lead 210 | | 110 | pCi/L | | 99 | 70 | 130 | | | |

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples

Report Date: 06/20/11
Work Order: C11040726

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|---|-------------------------------|--------------|-------|------|------|------------------------|------------|-----|----------|-------------------|
| Method: E912.0 | | | | | | | | | | Batch: R146175 |
| Sample ID: C11040296-001HMS | Sample Matrix Spike | | | | | Run: EGG-ORTEC_110503C | | | | 05/05/11 08:57 |
| Polonium 210 | 5.3 | pCi/L | | 100 | | 70 | 130 | | | |
| Sample ID: C11040296-001HMSD | Sample Matrix Spike Duplicate | | | | | Run: EGG-ORTEC_110503C | | | | 05/05/11 11:49 |
| Polonium 210 | 5.7 | pCi/L | | 108 | | 70 | 130 | 7.9 | | 67.5 |
| Sample ID: LCS-29539 | Laboratory Control Sample | | | | | Run: EGG-ORTEC_110503C | | | | 05/05/11 11:49 |
| Polonium 210 | 0.43 | pCi/L | | | | 70 | 130 | | | US |
| - LCS response is outside of the acceptance range for this analysis. Since the MB, MS, MSD, and all tracer recoveries are acceptable the batch is approved. | | | | | | | | | | |
| Sample ID: MB-29539 | 3 | Method Blank | | | | Run: EGG-ORTEC_110503C | | | | 05/05/11 11:49 |
| Polonium 210 | | 0.32 | pCi/L | 0.20 | | | | | | U |
| Polonium 210 precision (\pm) | | 1.1 | pCi/L | | | | | | | |
| Polonium 210 MDC | | 2.0 | pCi/L | | | | | | | |
| Method: E912.0 | | | | | | | | | | Batch: PO210-0365 |
| Sample ID: C11040296-001EMS | Sample Matrix Spike | | | | | Run: EGG-ORTEC_110507A | | | | 05/09/11 09:07 |
| Polonium 210 | 12 | pCi/L | | 89 | | 70 | 130 | | | |
| Sample ID: C11040296-001EMSD | Sample Matrix Spike Duplicate | | | | | Run: EGG-ORTEC_110507A | | | | 05/09/11 09:07 |
| Polonium 210 | 17 | pCi/L | | 127 | | 70 | 130 | 35 | | 67.6 |
| Sample ID: MB-PO210-0365 | 3 | Method Blank | | | | Run: EGG-ORTEC_110507A | | | | 05/09/11 11:17 |
| Polonium 210 | | ND | pCi/L | 0.20 | | | | | | U |
| Polonium 210 precision (\pm) | | 0.23 | pCi/L | | | | | | | |
| Polonium 210 MDC | | 0.58 | pCi/L | | | | | | | |
| Sample ID: LCS-PO210-0365 | Laboratory Control Sample | | | | | Run: EGG-ORTEC_110507A | | | | 05/09/11 11:17 |
| Polonium 210 | 6.4 | pCi/L | | 101 | | 70 | 130 | | | |

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

U - Not detected at minimum detectable concentration

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

Workorder Receipt Checklist



C11040726

Login completed by: Edith McPike

Date Received: 4/22/2011

Reviewed by: BL2000\cwagner

Received by: jba

Reviewed Date: 4/25/2011

Carrier Next Day Air Saver
name:

| | | | |
|---|---|-----------------------------|--|
| Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Container/Temp Blank temperature: | 8.6°C On Ice | | |
| Water - VOA vials have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | No VOA vials submitted <input checked="" type="checkbox"/> |
| Water - pH acceptable upon receipt? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Applicable <input type="checkbox"/> |

Contact and Corrective Action Comments:

Samples filtered and preserved as necessary for dissolved Radionuclides.

Chain of Custody and Analytical Request Record

PLEASE PRINT- Provide as much information as possible.

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|--|---|--|----------------------------|-------------------------|----------------------------|---|---|--|---|--|----------------------|--|------------------------|--|-------------------------------|--|---------------------------|--|----------------------------------|--|-----------------------|--|
| Company Name: Crow Butte Resources, Inc. | | | Project Name Marsland Baseline Samples | | | Sample Origin State: | | EPA/State Compliance: Yes <input type="checkbox"/> No <input type="checkbox"/> | | | | | | | | | | | | | | | | |
| Report Mail Address: P.O. Box 169 Crawford, NE 69339 | | | Contact Name: Larry Teahon | | Phone/Fax: 308-665-2341 | | Email: daxmynus@msn.com | | Sampler: (Please Print) Brooke Bass Rhonda Pelton | | | | | | | | | | | | | | | |
| Invoice Address: P.O. Box 169 Crawford, NE 69339 | | | Invoice Contact & Phone: Larry Teahon 308-665-2215 ext 114 | | | Purchase Order: 1125 | | Quote/Bottle Order: | | | | | | | | | | | | | | | | |
| Special Report/Formats – ELI must be notified prior to sample submittal for the following: <div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> DW <input type="checkbox"/> GSA <input type="checkbox"/> POTW/WWTP <input type="checkbox"/> State: _____ <input type="checkbox"/> Other: _____ </div> <div> <input type="checkbox"/> A2LA <input type="checkbox"/> EDD/EDT (Electronic Data) Format: _____ <input type="checkbox"/> LEVEL IV <input type="checkbox"/> NELAC </div> </div> | | | Number of Containers Sample Type: AWSVBO Air Water Solids/Solids Vegetation Bioassay Other | | ANALYSIS REQUESTED | | | | R U S H SEE ATTACHED Normal Turnaround (TAT) | | Contact ELI prior to RUSH sample submittal for charges and scheduling – See Instruction Page Comments: NDEQ parameters for baseline sampling. Report on separate sheets. Analyze as per WDEQ Guideline 8 and NRC Reg. Guide 4.14 requirements. Record U as mg/L and µCi/ml and radiometrics as pCi/L. | | Shipped by: UPS G | | | | | | | | | | | |
| | | | | | Cooler ID(s): Chart | | Receipt Temp 8.6 °C | | | | | | | | | | | | | | | | | |
| On Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | | Custody Seal | | Intact | | Signature Match | | Y N Y N Y N | | | | | | | | | | | | | | | |
| SAMPLE IDENTIFICATION (Name, Location, Interval, etc.) | | | Collection Date | | Collection Time | | MATRIX | | HNO3-F, Metals | | RAW-F, Common Ions | | RAW-UF, Alkalinity | | H2SO4-F, NO2, NO3, NH4 | | Raw-UF, Ra226, Po210 dis, sus | | Raw-UF, Pb210 dis and sus | | Raw-UF, Th230, U-nat dis and sus | | Please report 5/25/11 | |
| 1 Well 705 | | | 4/20/11 | | | | Water | | .5 | | 1 | | 1 | | .5 | | 1 | | 1 | | 1 | | | |
| 2 Well 727 | | | 4/20/11 | | | | Water | | .5 | | 1 | | 1 | | .5 | | 1 | | 1 | | 1 | | | |
| 3 Well 788 | | | 4/20/11 | | | | Water | | .5 | | 1 | | 1 | | .5 | | 1 | | 1 | | 1 | | | |
| 4 BOW-8 | | | 4/19/11 | | | | Water | | .5 | | 1 | | 1 | | .5 | | 1 | | 1 | | 1 | | | |
| 5 BOW-7 | | | 4/19/11 | | | | Water | | .5 | | 1 | | 1 | | .5 | | 1 | | 1 | | 1 | | | |
| 6 BOW-4A | | | 4/19/11 | | | | Water | | .5 | | 1 | | 1 | | .5 | | 1 | | 1 | | 1 | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | |

Custody Record MUST be Signed

Relinquished by (print): Brooke Bass Date/Time: 4/21/11 10:30 Signature: [Signature]

Relinquished by (print): _____ Date/Time: _____ Signature: _____

Sample Disposal: Return to Client: No Lab Disposal: YES

Received by (print): _____ Date/Time: _____ Signature: _____

Received by (print): _____ Date/Time: _____ Signature: _____

Received by Laboratory: [Signature] Date/Time: 4/21/11 9:30 Signature: _____

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report. Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.

CROW BUTTE RESOURCES, INC.
CROW BUTTE PROJECT

NO₂⁻

DATE: 4/20/11

ANALYST: _____

STANDARD CURVE DATA

| | | | | | | | |
|------------------------------|----|-------|-------|-------|--|--|--|
| NO ₂ ⁻ | BL | 0.01 | 0.05 | 0.1 | | | |
| Abs | 0 | 0.033 | 0.169 | 0.336 | | | |
| Abs | | | | | | | |

| SAMPLE # | VOLUME | Df | Abs | NO ₂ ⁻ mg/L |
|-----------|--------|----|--------|-----------------------------------|
| 1 705 | 10 ml | 1 | 0.013 | <0.01 |
| 2 727 | 10 ml | 1 | -0.002 | <0.01 |
| 3 788 | 10 ml | 1 | -0.001 | <0.01 |
| 4 | | | | |
| 5 788 Dup | 10 ml | 1 | -0.001 | <0.01 |
| Dup | | | | |
| 6 | | | | |
| 7 | | | | |
| 8 | | | | |
| 9 | | | | |
| 10 | | | | |
| Dup | | | | |
| 11 | | | | |
| 12 | | | | |
| 13 | | | | |
| 14 | | | | |
| 15 | | | | |
| Dup | | | | |
| 16 | | | | |
| 17 | | | | |
| 18 | | | | |
| 19 | | | | |
| 20 | | | | |
| Dup | | | | |
| 21 | | | | |
| 22 | | | | |
| 23 | | | | |
| 24 | | | | |
| 25 | | | | |
| Dup | | | | |

CROW BUTTE RESOURCES, INC.
CROW BUTTE PROJECT

NO₂⁻

DATE: 4/19/11

ANALYST: _____

STANDARD CURVE DATA

| | | | | | | | |
|------------------------------|----|------|------|------|--|--|--|
| NO ₂ ⁻ | BL | 0.01 | 0.05 | 0.10 | | | |
| Abs | 0 | .034 | .173 | .344 | | | |
| Abs | | | | | | | |

| SAMPLE # | VOLUME | Df | Abs | NO ₂ ⁻ mg/L |
|-------------|--------|----|-------|-----------------------------------|
| 1 BOW 4-A | 10 ml | 1 | 0.330 | 0.1 |
| 2 BOW 7 | 10 ml | 1 | 0.306 | 0.09 |
| 3 BOW 8 | 10 ml | 1 | 0.004 | <0.01 |
| 4 | | | | |
| 5 BOW 8 Dup | 10 ml | 1 | 0.006 | <0.01 |
| Dup | | | | |
| 6 | | | | |
| 7 | | | | |
| 8 | | | | |
| 9 | | | | |
| 10 | | | | |
| Dup | | | | |
| 11 | | | | |
| 12 | | | | |
| 13 | | | | |
| 14 | | | | |
| 15 | | | | |
| Dup | | | | |
| 16 | | | | |
| 17 | | | | |
| 18 | | | | |
| 19 | | | | |
| 20 | | | | |
| Dup | | | | |
| 21 | | | | |
| 22 | | | | |
| 23 | | | | |
| 24 | | | | |
| 25 | | | | |
| Dup | | | | |



ANALYTICAL SUMMARY REPORT

June 23, 2011

Crow Butte Resources
86 Crow Butte Rd
Crawford, NE 69339

Workorder No.: C11040852 Quote ID: C1125 - Crow Butte Uranium

Project Name: Marsland Baseline Samples

Energy Laboratories, Inc. Casper WY received the following 1 sample for Crow Butte Resources on 4/28/2011 for analysis.

| Sample ID | Client Sample ID | Collect Date | Receive Date | Matrix | Test |
|---------------|------------------|----------------|--------------|---------|--|
| C11040852-001 | Well 747 | 04/25/11 00:00 | 04/28/11 | Aqueous | Metals by ICP/ICPMS, Dissolved Alkalinity QA Calculations Conductivity Sample Filtering Fluoride E300.0 Anions Uranium, Suspended Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Digestion, Total Metals Lead 210, Dissolved Lead 210, Suspended Polonium 210, Dissolved Polonium 210, Suspended Radium 226, Dissolved Radium 226, Suspended Thorium, Isotopic Thorium, Suspended Isotopic Solids, Total Dissolved |

This report was prepared by Energy Laboratories, Inc., 2393 Salt Creek Hwy., Casper, WY 82601. Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

The results as reported relate only to the item(s) submitted for testing.

If you have any questions regarding these test results, please call.

Report Approved By:



CLIENT: Crow Butte Resources
Project: Marsland Baseline Samples
Sample Delivery Group: C11040852

Report Date: 06/23/11

CASE NARRATIVE

RADIOCHEMISTRY ANALYSIS

Per client request, results less than MDC (or precision if no MDC), are reported as <MDC (or <precision). Actual instrument results are available by request.

BRANCH LABORATORY SUBCONTRACT ANALYSIS

Tests associated with analyst identified as ELI-CS were subcontracted to Energy Laboratories, 415 Graham Rd., College Station, TX, EPA Number TX01520.

ORIGINAL SAMPLE SUBMITTAL(S)

All original sample submittals have been returned with the data package.

SAMPLE TEMPERATURE COMPLIANCE: 4°C (±2°C)

Temperature of samples received may not be considered properly preserved by accepted standards. Samples that are hand delivered immediately after collection shall be considered acceptable if there is evidence that the chilling process has begun.

GROSS ALPHA ANALYSIS

Method 900.0 for gross alpha and gross beta is intended as a drinking water method for low TDS waters. Data provided by this method for non potable waters should be viewed as inconsistent.

SOIL/SOLID SAMPLES

All samples reported on an as received basis unless otherwise indicated.

SUBCONTRACTING ANALYSIS

Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.

BRANCH LABORATORY LOCATIONS

eli-b - Energy Laboratories, Inc. - Billings, MT
eli-g - Energy Laboratories, Inc. - Gillette, WY
eli-h - Energy Laboratories, Inc. - Helena, MT
eli-r - Energy Laboratories, Inc. - Rapid City, SD
eli-t - Energy Laboratories, Inc. - College Station, TX

CERTIFICATIONS:

USEPA: WY00002; FL-DOH NELAC: E87641; California: 02118CA
Oregon: WY200001; Utah: 3072350515; Virginia: 00057; Washington: C1903

ISO 17025 DISCLAIMER:

The results of this Analytical Report relate only to the items submitted for analysis.

ENERGY LABORATORIES, INC. - CASPER, WY certifies that certain method selections contained in this report meet requirements as set forth by the above accrediting authorities. Some results requested by the client may not be covered under these certifications. All analysis data to be submitted for regulatory enforcement should be certified in the sample state of origin. Please verify ELI's certification coverage by visiting www.energylab.com

ELI appreciates the opportunity to provide you with this analytical service. For additional information and services visit our web page www.energylab.com.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11040852-001
Client Sample ID: Well 747

Report Date: 06/23/11
Collection Date: 04/25/11
Date Received: 04/28/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|------------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 132 | mg/L | | 1 | | A2320 B | 04/29/11 17:56 / jba |
| Carbonate as CO ₃ | ND | mg/L | | 1 | | A2320 B | 04/29/11 17:56 / jba |
| Bicarbonate as HCO ₃ | 161 | mg/L | | 1 | | A2320 B | 04/29/11 17:56 / jba |
| Calcium | 32 | mg/L | | 1 | | E200.7 | 05/13/11 14:26 / cp |
| Chloride | 3 | mg/L | | 1 | | E300.0 | 05/03/11 14:20 / ljl |
| Fluoride | 1.0 | mg/L | | 0.1 | | A4500-F C | 05/02/11 13:03 / jba |
| Magnesium | 7 | mg/L | | 1 | | E200.8 | 05/06/11 19:17 / sml |
| Nitrogen, Ammonia as N | ND | mg/L | | 0.05 | | A4500-NH ₃ G | 05/04/11 12:29 / dc |
| Nitrogen, Nitrate+Nitrite as N | 0.9 | mg/L | | 0.1 | | E353.2 | 05/02/11 12:18 / dc |
| Potassium | 3 | mg/L | | 1 | | E200.7 | 05/13/11 14:26 / cp |
| Silica | 79.8 | mg/L | | 0.2 | | E200.7 | 05/19/11 13:51 / cp |
| Sodium | 14 | mg/L | | 1 | | E200.8 | 05/06/11 19:17 / sml |
| Sulfate | 5 | mg/L | | 1 | | E300.0 | 05/02/11 17:27 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 263 | umhos/cm | | 1 | | A2510 B | 04/29/11 08:38 / lmc |
| pH | 8.07 | s.u. | | 0.01 | | A4500-H B | 04/29/11 08:38 / lmc |
| Solids, Total Dissolved TDS @ 180 C | 216 | mg/L | | 10 | | A2540 C | 04/29/11 16:34 / lmc |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.8 | 05/06/11 19:17 / sml |
| Arsenic | 0.005 | mg/L | | 0.001 | | E200.8 | 05/06/11 19:17 / sml |
| Barium | ND | mg/L | | 0.1 | | E200.8 | 05/06/11 19:17 / sml |
| Boron | ND | mg/L | | 0.1 | | E200.8 | 05/06/11 19:17 / sml |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 05/06/11 19:17 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 05/06/11 19:17 / sml |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 05/06/11 19:17 / sml |
| Iron | ND | mg/L | | 0.03 | | E200.8 | 05/06/11 19:17 / sml |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 05/06/11 19:17 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 05/06/11 19:17 / sml |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 05/06/11 19:17 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 05/06/11 19:17 / sml |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 05/06/11 19:17 / sml |
| Selenium | 0.001 | mg/L | | 0.001 | | E200.8 | 05/06/11 19:17 / sml |
| Uranium | 0.0059 | mg/L | | 0.0003 | | E200.8 | 05/06/11 19:17 / sml |
| Uranium, Activity | 4.0E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 05/06/11 19:17 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 05/06/11 19:17 / sml |
| Zinc | 0.06 | mg/L | | 0.01 | | E200.8 | 05/06/11 19:17 / sml |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 05/10/11 04:23 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 05/10/11 04:23 / sml |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11040852-001
Client Sample ID: Well 747

Report Date: 06/23/11
Collection Date: 04/25/11
Date Received: 04/28/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|------------|-----|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <1.2 | pCi/L | U | 1.2 | | E909.0 | 06/20/11 03:21 / eli-cs |
| Lead 210 precision (±) | 0.7 | pCi/L | | | | E909.0 | 06/20/11 03:21 / eli-cs |
| Lead 210 MDC | 1.2 | pCi/L | | | | E909.0 | 06/20/11 03:21 / eli-cs |
| Polonium 210 | <0.5 | pCi/L | U | 0.5 | | E912.0 | 05/10/11 08:41 / ep |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 05/10/11 08:41 / ep |
| Polonium 210 MDC | 0.5 | pCi/L | | | | E912.0 | 05/10/11 08:41 / ep |
| Radium 226 | 0.2 | pCi/L | | 0.1 | | E903.0 | 05/09/11 16:29 / trs |
| Radium 226 precision (±) | 0.1 | pCi/L | | | | E903.0 | 05/09/11 16:29 / trs |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 05/09/11 16:29 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 05/23/11 09:10 / dmf |
| Thorium 230 precision (±) | 0.08 | pCi/L | | | | E908.0 | 05/23/11 09:10 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 05/23/11 09:10 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <1.2 | pCi/L | U | 1.2 | | E909.0 | 05/26/11 02:06 / eli-cs |
| Lead 210 precision (±) | 0.7 | pCi/L | | | | E909.0 | 05/26/11 02:06 / eli-cs |
| Lead 210 MDC | 1.2 | pCi/L | | | | E909.0 | 05/26/11 02:06 / eli-cs |
| Polonium 210 | <0.2 | pCi/L | U | 0.2 | | E912.0 | 05/19/11 09:04 / ep |
| Polonium 210 precision (±) | 0.1 | pCi/L | | | | E912.0 | 05/19/11 09:04 / ep |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 05/19/11 09:04 / ep |
| Radium 226 | <0.1 | pCi/L | U | 0.1 | | E903.0 | 05/31/11 21:44 / trs |
| Radium 226 precision (±) | 0.04 | pCi/L | | | | E903.0 | 05/31/11 21:44 / trs |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 05/31/11 21:44 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 05/23/11 09:12 / dmf |
| Thorium 230 precision (±) | 0.08 | pCi/L | | | | E908.0 | 05/23/11 09:12 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 05/23/11 09:12 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | -2.19 | % | | | | Calculation | 05/25/11 07:53 / kbh |
| Anions | 2.95 | meq/L | | | | Calculation | 05/25/11 07:53 / kbh |
| Cations | 2.83 | meq/L | | | | Calculation | 05/25/11 07:53 / kbh |
| Solids, Total Dissolved Calculated | 249 | mg/L | | | | Calculation | 05/25/11 07:53 / kbh |
| TDS Balance (0.80 - 1.20) | 0.870 | | | | | Calculation | 05/25/11 07:53 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



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Gillette, WY 866-686-7175 • Rapid City, SD 888-672-1225 • College Station, TX 888-690-2218

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 06/23/11

Project: Marsland Baseline Samples

Work Order: C11040852

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|--|-------|---------------------------|-------|-----|------|-----------|----------------------|-----|----------|----------------|
| Method: A2320 B | | | | | | | | | | Batch: R145349 |
| Sample ID: MBLK | 3 | Method Blank | | | | | Run: MANTECH_110429A | | | 04/29/11 15:59 |
| Alkalinity, Total as CaCO ₃ | | 2.98 | mg/L | 1.0 | | | | | | |
| Carbonate as CO ₃ | | ND | mg/L | 1.0 | | | | | | |
| Bicarbonate as HCO ₃ | | 3.64 | mg/L | 1.0 | | | | | | |
| Sample ID: LCS | | Laboratory Control Sample | | | | | Run: MANTECH_110429A | | | 04/29/11 16:15 |
| Alkalinity, Total as CaCO ₃ | | 209 | mg/L | 5.0 | 103 | 90 | 110 | | | |
| Sample ID: C11040852-001BDUP | | Sample Duplicate | | | | | Run: MANTECH_110429A | | | 04/29/11 18:04 |
| Alkalinity, Total as CaCO ₃ | | 132 | mg/L | 5.0 | | | | 0.0 | 10 | |
| Sample ID: C11040852-001BMS | | Sample Matrix Spike | | | | | Run: MANTECH_110429A | | | 04/29/11 18:14 |
| Alkalinity, Total as CaCO ₃ | | 267 | mg/L | 5.0 | 108 | 80 | 120 | | | |

Qualifiers:

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MDC - Minimum detectable concentration



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 06/23/11

Project: Marsland Baseline Samples

Work Order: C11040852

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|---|----------|-------------------------------------|------|-----------|------------|-----|----------|----------------|
| Method: A2510 B | | | | Analytical Run: ORION555A-2_110429A | | | | | | |
| Sample ID: ICV2_110429_1 | | Initial Calibration Verification Standard | | | | | | | | 04/29/11 08:26 |
| Conductivity @ 25 C | | 1380 | umhos/cm | 1.0 | 98 | 90 | 110 | | | |
| Method: A2510 B | | | | Batch: 110429_1_PH-W_555A-2 | | | | | | |
| Sample ID: MBLK1_110429_1 | | Method Blank | | | | | | | | 04/29/11 08:23 |
| Conductivity @ 25 C | | ND | umhos/cm | 1.0 | | | | | | |
| Sample ID: C11040846-001BDUP | | Sample Duplicate | | | | | | | | 04/29/11 09:15 |
| Conductivity @ 25 C | | 1360 | umhos/cm | 1.0 | | | | 0.1 | 10 | |

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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 06/23/11

Project: Marsland Baseline Samples

Work Order: C11040852

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|--|-------|--------|-------|----|------|-----------|------------|-----|----------|----------------|
| Method: A2540 C | | | | | | | | | | Batch: R145440 |
| Sample ID: MBLK1_ Method Blank Run: BAL-1_110429B 04/29/11 16:33 | | | | | | | | | | |
| Solids, Total Dissolved TDS @ 180 C | | ND | mg/L | 10 | | | | | | |
| Sample ID: LCS1_ Laboratory Control Sample Run: BAL-1_110429B 04/29/11 16:33 | | | | | | | | | | |
| Solids, Total Dissolved TDS @ 180 C | | 1010 | mg/L | 10 | 100 | 90 | 110 | | | |
| Sample ID: C11040889-002BDUP Sample Duplicate Run: BAL-1_110429B 04/29/11 16:36 | | | | | | | | | | |
| Solids, Total Dissolved TDS @ 180 C | | 264 | mg/L | 10 | | | | 1.5 | 10 | |
| Sample ID: C11040893-001AMS Sample Matrix Spike Run: BAL-1_110429B 04/29/11 16:38 | | | | | | | | | | |
| Solids, Total Dissolved TDS @ 180 C | | 3500 | mg/L | 10 | 102 | 90 | 110 | | | |

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QA/QC Summary Report

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Report Date: 06/23/11

Project: Marsland Baseline Samples

Work Order: C11040852

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|------|------|-----------|----------------------|-----|----------|----------------|
| Method: A4500-F C | | | | | | | | | | Batch: R145395 |
| Sample ID: MBLK | | Method Blank | | | | | Run: MANTECH_110502A | | | 05/02/11 08:58 |
| Fluoride | | ND | mg/L | 0.10 | | | | | | |
| Sample ID: LCS | | Laboratory Control Sample | | | | | Run: MANTECH_110502A | | | 05/02/11 09:01 |
| Fluoride | | 1.02 | mg/L | 0.10 | 99 | 90 | 110 | | | |
| Sample ID: C11040889-002AMS | | Sample Matrix Spike | | | | | Run: MANTECH_110502A | | | 05/02/11 13:24 |
| Fluoride | | 1.16 | mg/L | 0.10 | 103 | 80 | 120 | | | |
| Sample ID: C11040889-002AMSD | | Sample Matrix Spike Duplicate | | | | | Run: MANTECH_110502A | | | 05/02/11 13:26 |
| Fluoride | | 1.16 | mg/L | 0.10 | 103 | 80 | 120 | 0.0 | 10 | |

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QA/QC Summary Report

Prepared by Casper, WY Branch

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Report Date: 06/23/11

Project: Marsland Baseline Samples

Work Order: C11040852

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|---|-------|--------------------------|------|-----------|------------|-------------------------------------|----------|----------------|
| Method: A4500-H B | | | | | | | | Analytical Run: ORION555A-2_110429A | | |
| Sample ID: ICV1_110429_1 | | Initial Calibration Verification Standard | | | | | | | | 04/29/11 08:24 |
| pH | | 6.94 | s.u. | 0.010 | 101 | 98 | 102 | | | |
| Method: A4500-H B | | | | | | | | Batch: 110429_1_PH-W_555A-2 | | |
| Sample ID: C11040846-001BDUP | | Sample Duplicate | | Run: ORION555A-2_110429A | | | | 04/29/11 09:15 | | |
| pH | | 7.95 | s.u. | 0.010 | | | | 0.1 | 3 | |

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QA/QC Summary Report

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Client: Crow Butte Resources

Report Date: 06/23/11

Project: Marsland Baseline Samples

Work Order: C11040852

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|-------|------|-----------|------------|-----|----------|---------------------------------------|
| Method: A4500-NH3 G | | | | | | | | | | Batch: R145477 |
| Sample ID: MBLK-6 | | Method Blank | | | | | | | | |
| Nitrogen, Ammonia as N | | ND | mg/L | 0.050 | | | | | | Run: TECHNICON_110504A 05/04/11 12:21 |
| Sample ID: LCS-7 | | Laboratory Control Sample | | | | | | | | |
| Nitrogen, Ammonia as N | | 1.94 | mg/L | 0.050 | 97 | 90 | 110 | | | Run: TECHNICON_110504A 05/04/11 12:23 |
| Sample ID: C11040852-001DMS | | Sample Matrix Spike | | | | | | | | |
| Nitrogen, Ammonia as N | | 1.79 | mg/L | 0.050 | 91 | 80 | 120 | | | Run: TECHNICON_110504A 05/04/11 12:35 |
| Sample ID: C11040852-001DMSD | | Sample Matrix Spike Duplicate | | | | | | | | |
| Nitrogen, Ammonia as N | | 1.80 | mg/L | 0.050 | 92 | 80 | 120 | 0.6 | 10 | Run: TECHNICON_110504A 05/04/11 12:37 |

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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 06/23/11

Project: Marsland Baseline Samples

Work Order: C11040852

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|------|------|-----------|---------------------|-----|----------|----------------|
| Method: E200.7 | | | | | | | | | | Batch: R145849 |
| Sample ID: MB-110513A | 2 | Method Blank | | | | | Run: ICP2-C_110513A | | | 05/13/11 12:21 |
| Calcium | | ND | mg/L | 1.0 | | | | | | |
| Potassium | | ND | mg/L | 1.0 | | | | | | |
| Sample ID: LFB-110513A | 2 | Laboratory Fortified Blank | | | | | Run: ICP2-C_110513A | | | 05/13/11 12:25 |
| Calcium | | 48.0 | mg/L | 0.50 | 96 | 85 | 115 | | | |
| Potassium | | 43.7 | mg/L | 0.50 | 87 | 85 | 115 | | | |
| Sample ID: C11040852-001CMS2 | 2 | Sample Matrix Spike | | | | | Run: ICP2-C_110513A | | | 05/13/11 14:30 |
| Calcium | | 129 | mg/L | 1.0 | 95 | 70 | 130 | | | |
| Potassium | | 88.8 | mg/L | 1.0 | 84 | 70 | 130 | | | |
| Sample ID: C11040852-001CMSD | 2 | Sample Matrix Spike Duplicate | | | | | Run: ICP2-C_110513A | | | 05/13/11 14:34 |
| Calcium | | 130 | mg/L | 1.0 | 96 | 70 | 130 | 0.9 | 20 | |
| Potassium | | 89.1 | mg/L | 1.0 | 85 | 70 | 130 | 0.3 | 20 | |
| Method: E200.7 | | | | | | | | | | Batch: R146055 |
| Sample ID: MB-110519A | | Method Blank | | | | | Run: ICP2-C_110519A | | | 05/19/11 12:44 |
| Silicon | | ND | mg/L | 0.10 | | | | | | |
| Sample ID: LFB-110519A | | Laboratory Fortified Blank | | | | | Run: ICP2-C_110519A | | | 05/19/11 12:48 |
| Silicon | | 0.489 | mg/L | 0.10 | 98 | 85 | 115 | | | |
| Sample ID: C11040726-001CMS2 | | Sample Matrix Spike | | | | | Run: ICP2-C_110519A | | | 05/19/11 13:18 |
| Silicon | | 33.2 | mg/L | 0.10 | | 70 | 130 | | | A |
| Sample ID: C11040726-001CMSD | | Sample Matrix Spike Duplicate | | | | | Run: ICP2-C_110519A | | | 05/19/11 13:22 |
| Silicon | | 33.0 | mg/L | 0.10 | | 70 | 130 | 0.5 | 20 | A |

Qualifiers:

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ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples

Report Date: 06/23/11
Work Order: C11040852

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------------------------------|---------|-------|---------|------|-----------|------------|-----|----------|--------------------------------------|
| Method: E200.8 | | | | | | | | | | Batch: 29764 |
| Sample ID: MB-29764 | Method Blank | | | | | | | | | |
| Uranium | | ND | mg/L | 0.00030 | | | | | | Run: ICPMS2-C_110509A 05/10/11 04:11 |
| Sample ID: LCS2-29764 | Laboratory Control Sample | | | | | | | | | |
| Uranium | | 0.104 | mg/L | 0.00030 | 104 | 85 | 115 | | | Run: ICPMS2-C_110509A 05/10/11 04:15 |
| Sample ID: C11040852-001HMS | Sample Matrix Spike | | | | | | | | | |
| Uranium | | 0.00461 | mg/L | 0.00030 | 102 | 70 | 130 | | | Run: ICPMS2-C_110509A 05/10/11 04:27 |
| Sample ID: C11040852-001HMSD | Sample Matrix Spike Duplicate | | | | | | | | | |
| Uranium | | 0.00474 | mg/L | 0.00030 | 105 | 70 | 130 | 2.8 | 20 | Run: ICPMS2-C_110509A 05/10/11 04:32 |

Qualifiers:

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MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 06/23/11

Project: Marsland Baseline Samples

Work Order: C11040852

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|---|-------|--------|-------|---------|------|-----------|------------|-----|----------|--------------------------------------|
| Method: E200.8 | | | | | | | | | | Batch: R145598A |
| Sample ID: C11040769-001BMS4 19 Sample Matrix Spike | | | | | | | | | | Run: ICPMS4-C_110506A 05/06/11 17:34 |
| Aluminum | | 0.323 | mg/L | 0.10 | 100 | 70 | 130 | | | |
| Arsenic | | 0.267 | mg/L | 0.0010 | 107 | 70 | 130 | | | |
| Barium | | 0.295 | mg/L | 0.10 | 103 | 70 | 130 | | | |
| Boron | | 0.291 | mg/L | 0.10 | 100 | 70 | 130 | | | |
| Cadmium | | 0.258 | mg/L | 0.010 | 103 | 70 | 130 | | | |
| Chromium | | 0.259 | mg/L | 0.050 | 103 | 70 | 130 | | | |
| Copper | | 0.258 | mg/L | 0.010 | 103 | 70 | 130 | | | |
| Iron | | 6.34 | mg/L | 0.030 | 101 | 70 | 130 | | | |
| Lead | | 0.257 | mg/L | 0.050 | 103 | 70 | 130 | | | |
| Magnesium | | 106 | mg/L | 1.0 | 95 | 70 | 130 | | | |
| Manganese | | 0.282 | mg/L | 0.010 | 101 | 70 | 130 | | | |
| Mercury | | 0.0266 | mg/L | 0.0010 | 107 | 70 | 130 | | | |
| Molybdenum | | 0.257 | mg/L | 0.10 | 103 | 70 | 130 | | | |
| Nickel | | 0.260 | mg/L | 0.050 | 103 | 70 | 130 | | | |
| Selenium | | 0.270 | mg/L | 0.0010 | 108 | 70 | 130 | | | |
| Sodium | | 88.4 | mg/L | 1.0 | 96 | 70 | 130 | | | |
| Uranium | | 0.261 | mg/L | 0.00030 | 104 | 70 | 130 | | | |
| Vanadium | | 0.255 | mg/L | 0.10 | 102 | 70 | 130 | | | |
| Zinc | | 0.307 | mg/L | 0.010 | 92 | 70 | 130 | | | |
| Sample ID: C11040769-001BMSD 19 Sample Matrix Spike Duplicate | | | | | | | | | | Run: ICPMS4-C_110506A 05/06/11 17:40 |
| Aluminum | | 0.319 | mg/L | 0.10 | 98 | 70 | 130 | 1.2 | 20 | |
| Arsenic | | 0.264 | mg/L | 0.0010 | 106 | 70 | 130 | 1.0 | 20 | |
| Barium | | 0.299 | mg/L | 0.10 | 105 | 70 | 130 | 1.2 | 20 | |
| Boron | | 0.293 | mg/L | 0.10 | 101 | 70 | 130 | 0.7 | 20 | |
| Cadmium | | 0.259 | mg/L | 0.010 | 104 | 70 | 130 | 0.4 | 20 | |
| Chromium | | 0.254 | mg/L | 0.050 | 102 | 70 | 130 | 1.9 | 20 | |
| Copper | | 0.256 | mg/L | 0.010 | 102 | 70 | 130 | 0.9 | 20 | |
| Iron | | 6.28 | mg/L | 0.030 | 100 | 70 | 130 | 0.8 | 20 | |
| Lead | | 0.256 | mg/L | 0.050 | 102 | 70 | 130 | 0.4 | 20 | |
| Magnesium | | 107 | mg/L | 1.0 | 96 | 70 | 130 | 0.4 | 20 | |
| Manganese | | 0.282 | mg/L | 0.010 | 101 | 70 | 130 | 0.2 | 20 | |
| Mercury | | 0.0273 | mg/L | 0.0010 | 109 | 70 | 130 | 2.5 | 20 | |
| Molybdenum | | 0.257 | mg/L | 0.10 | 103 | 70 | 130 | 0.2 | 20 | |
| Nickel | | 0.256 | mg/L | 0.050 | 101 | 70 | 130 | 1.7 | 20 | |
| Selenium | | 0.268 | mg/L | 0.0010 | 107 | 70 | 130 | 1.0 | 20 | |
| Sodium | | 88.3 | mg/L | 1.0 | 96 | 70 | 130 | 0.1 | 20 | |
| Uranium | | 0.263 | mg/L | 0.00030 | 105 | 70 | 130 | 0.6 | 20 | |
| Vanadium | | 0.252 | mg/L | 0.10 | 101 | 70 | 130 | 1.0 | 20 | |
| Zinc | | 0.304 | mg/L | 0.010 | 91 | 70 | 130 | 0.9 | 20 | |

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MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 06/23/11

Project: Marsland Baseline Samples

Work Order: C11040852

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-----------------------|-------|----------------------------|-------|-----------------------|------|-----------|----------------|-----|----------|-----------------|
| Method: E200.8 | | | | | | | | | | Batch: R145598A |
| Sample ID: LRB | 19 | Method Blank | | Run: ICPMS4-C_110506A | | | 05/06/11 15:59 | | | |
| Aluminum | | ND | mg/L | 0.10 | | | | | | |
| Arsenic | | ND | mg/L | 0.0010 | | | | | | |
| Barium | | ND | mg/L | 0.10 | | | | | | |
| Boron | | ND | mg/L | 0.10 | | | | | | |
| Cadmium | | ND | mg/L | 0.0050 | | | | | | |
| Chromium | | ND | mg/L | 0.050 | | | | | | |
| Copper | | ND | mg/L | 0.010 | | | | | | |
| Iron | | ND | mg/L | 0.030 | | | | | | |
| Lead | | ND | mg/L | 0.0010 | | | | | | |
| Magnesium | | ND | mg/L | 1.0 | | | | | | |
| Manganese | | ND | mg/L | 0.010 | | | | | | |
| Mercury | | ND | mg/L | 0.0010 | | | | | | |
| Molybdenum | | ND | mg/L | 0.10 | | | | | | |
| Nickel | | ND | mg/L | 0.050 | | | | | | |
| Selenium | | ND | mg/L | 0.0010 | | | | | | |
| Sodium | | ND | mg/L | 1.0 | | | | | | |
| Uranium | | ND | mg/L | 0.00030 | | | | | | |
| Vanadium | | ND | mg/L | 0.10 | | | | | | |
| Zinc | | ND | mg/L | 0.010 | | | | | | |
| Sample ID: LFB | 19 | Laboratory Fortified Blank | | Run: ICPMS4-C_110506A | | | 05/06/11 16:06 | | | |
| Aluminum | | 0.0528 | mg/L | 0.0010 | 106 | 85 | 115 | | | |
| Arsenic | | 0.0513 | mg/L | 0.0010 | 103 | 85 | 115 | | | |
| Barium | | 0.0517 | mg/L | 0.0010 | 103 | 85 | 115 | | | |
| Boron | | 0.0506 | mg/L | 0.0010 | 101 | 85 | 115 | | | |
| Cadmium | | 0.0519 | mg/L | 0.0010 | 104 | 85 | 115 | | | |
| Chromium | | 0.0503 | mg/L | 0.0010 | 101 | 85 | 115 | | | |
| Copper | | 0.0510 | mg/L | 0.0010 | 102 | 85 | 115 | | | |
| Iron | | 1.26 | mg/L | 0.012 | 101 | 85 | 115 | | | |
| Lead | | 0.0512 | mg/L | 0.0010 | 102 | 85 | 115 | | | |
| Magnesium | | 12.2 | mg/L | 0.12 | 97 | 85 | 115 | | | |
| Manganese | | 0.0499 | mg/L | 0.0010 | 100 | 85 | 115 | | | |
| Mercury | | 0.00510 | mg/L | 0.0010 | 102 | 85 | 115 | | | |
| Molybdenum | | 0.0485 | mg/L | 0.0010 | 97 | 85 | 115 | | | |
| Nickel | | 0.0504 | mg/L | 0.0010 | 101 | 85 | 115 | | | |
| Selenium | | 0.0539 | mg/L | 0.0010 | 108 | 85 | 115 | | | |
| Sodium | | 12.1 | mg/L | 0.12 | 97 | 85 | 115 | | | |
| Uranium | | 0.0505 | mg/L | 0.00030 | 101 | 85 | 115 | | | |
| Vanadium | | 0.0501 | mg/L | 0.0010 | 100 | 85 | 115 | | | |
| Zinc | | 0.0548 | mg/L | 0.0010 | 107 | 85 | 115 | | | |

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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 06/23/11

Project: Marsland Baseline Samples

Work Order: C11040852

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|---|-------|-----|------|-----------|------------|-------------------------------|----------|----------------|
| Method: E300.0 | | | | | | | | Analytical Run: IC2-C_110502A | | |
| Sample ID: ICV | 2 | Initial Calibration Verification Standard | | | | | | | | 05/02/11 14:37 |
| Chloride | | 9.84 | mg/L | 1.0 | 98 | 90 | 110 | | | |
| Sulfate | | 40.1 | mg/L | 1.0 | 100 | 90 | 110 | | | |
| Method: E300.0 | | | | | | | | Batch: R145448 | | |
| Sample ID: LFB | 2 | Laboratory Fortified Blank | | | | | | | | 05/02/11 14:53 |
| Chloride | | 9.78 | mg/L | 1.0 | 97 | 90 | 110 | | | |
| Sulfate | | 39.5 | mg/L | 1.0 | 98 | 90 | 110 | | | |
| Sample ID: ICB | 2 | Method Blank | | | | | | | | 05/02/11 15:08 |
| Chloride | | ND | mg/L | 1.0 | | | | | | |
| Sulfate | | ND | mg/L | 1.0 | | | | | | |
| Sample ID: C11040846-002BMS | 2 | Sample Matrix Spike | | | | | | | | 05/02/11 16:41 |
| Chloride | | 25.8 | mg/L | 1.0 | 102 | 80 | 120 | | | |
| Sulfate | | 304 | mg/L | 1.6 | 85 | 80 | 120 | | | |
| Sample ID: C11040846-002BMSD | 2 | Sample Matrix Spike Duplicate | | | | | | | | 05/02/11 16:56 |
| Chloride | | 25.7 | mg/L | 1.0 | 102 | 80 | 120 | 0.3 | 10 | |
| Sulfate | | 302 | mg/L | 1.6 | 84 | 80 | 120 | 0.4 | 10 | |

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QA/QC Summary Report

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Client: Crow Butte Resources

Report Date: 06/23/11

Project: Marsland Baseline Samples

Work Order: C11040852

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|------|------|------------------------|------------|----------------|----------|----------------|
| Method: E353.2 | | | | | | | | | | Batch: R145387 |
| Sample ID: MBLK-1 | | | | | | | | | | |
| | | Method Blank | | | | Run: TECHNICON_110502A | | 05/02/11 12:13 | | |
| Nitrogen, Nitrate+Nitrite as N | | ND | mg/L | 0.10 | | | | | | |
| Sample ID: LCS-2 | | | | | | | | | | |
| | | Laboratory Control Sample | | | | Run: TECHNICON_110502A | | 05/02/11 12:16 | | |
| Nitrogen, Nitrate+Nitrite as N | | 2.73 | mg/L | 0.10 | 109 | 90 | 110 | | | |
| Sample ID: C11040862-004FMS | | | | | | | | | | |
| | | Sample Matrix Spike | | | | Run: TECHNICON_110502A | | 05/02/11 12:31 | | |
| Nitrogen, Nitrate+Nitrite as N | | 2.00 | mg/L | 0.10 | 102 | 90 | 110 | | | |
| Sample ID: C11040862-004FMSD | | | | | | | | | | |
| | | Sample Matrix Spike Duplicate | | | | Run: TECHNICON_110502A | | 05/02/11 12:33 | | |
| Nitrogen, Nitrate+Nitrite as N | | 1.99 | mg/L | 0.10 | 102 | 90 | 110 | 0.5 | 10 | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 06/23/11

Project: Marsland Baseline Samples

Work Order: C11040852

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|--|-------|-------------------------------|-----------|------|------|-----------|-----------------------------|-------------------|----------------|------|
| Method: E903.0 | | | | | | | | Batch: RA226-5349 | | |
| Sample ID: LCS-29763 | | Laboratory Control Sample | | | | | Run: BERTHOLD 770-2_110510A | | 05/31/11 21:44 | |
| Radium 226 | | 1.3E-05 | uCi/kg | | 108 | 70 | 130 | | | |
| Sample ID: MB-29763 | 3 | Method Blank | | | | | Run: BERTHOLD 770-2_110510A | | 05/31/11 21:44 | |
| Radium 226 | | ND | uCi/kg | 0.10 | | | | | | U |
| Radium 226 precision (±) | | 1.1E-07 | uCi/kg | | | | | | | |
| Radium 226 MDC | | 2.7E-07 | uCi/kg | | | | | | | |
| Sample ID: C11050009-001AMS | | Sample Matrix Spike | | | | | Run: BERTHOLD 770-2_110510A | | 05/31/11 23:48 | |
| Radium 226 | | 1.7 | pCi/g-dry | | 89 | 70 | 130 | | | |
| Sample ID: C11050009-001AMSD | | Sample Matrix Spike Duplicate | | | | | Run: BERTHOLD 770-2_110510A | | 05/31/11 23:48 | |
| Radium 226 | | 1.3 | pCi/g-dry | | 79 | 70 | 130 | 28 | 26.3 | R |
| - The RPD for the MSD is high. The individual spike recoveries are within range, the MB is acceptable, and the LCS is within range, therefore the batch is approved. | | | | | | | | | | |
| Method: E903.0 | | | | | | | | Batch: RA226-5335 | | |
| Sample ID: C11040726-006DMS | | Sample Matrix Spike | | | | | Run: TENNELEC-3_110503A | | 05/09/11 16:29 | |
| Radium 226 | | 6.3 | pCi/L | | 96 | 70 | 130 | | | |
| Sample ID: C11040726-006DMSD | | Sample Matrix Spike Duplicate | | | | | Run: TENNELEC-3_110503A | | 05/09/11 16:29 | |
| Radium 226 | | 5.5 | pCi/L | | 84 | 70 | 130 | 13 | 26 | |
| Sample ID: MB-RA226-5335 | 3 | Method Blank | | | | | Run: TENNELEC-3_110503A | | 05/09/11 21:59 | |
| Radium 226 | | 0.15 | pCi/L | 0.10 | | | | | | U |
| Radium 226 precision (±) | | 0.093 | pCi/L | | | | | | | |
| Radium 226 MDC | | 0.11 | pCi/L | | | | | | | |
| Sample ID: LCS-RA226-5335 | | Laboratory Control Sample | | | | | Run: TENNELEC-3_110503A | | 05/09/11 21:59 | |
| Radium 226 | | 5.7 | pCi/L | | 88 | 85 | 115 | | | |

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

U - Not detected at minimum detectable concentration

ND - Not detected at the reporting limit.

R - RPD exceeds advisory limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Project: Marsland Baseline Samples

Report Date: 06/23/11

Work Order: C11040852

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|--------------------------------------|-------------------------------|--------------|-------|------|------------------------|------------------------|----------------|-----------------------|----------|------|
| Method: E908.0 | | | | | | | | Batch: RA-TH-ISO-1391 | | |
| Sample ID: LCS-RA-TH-ISO-1391 | Laboratory Control Sample | | | | | Run: EGG-ORTEC_110518A | | 05/20/11 16:22 | | |
| Thorium 230 | | 5.2 | pCi/L | | 91 | 70 | 130 | | | |
| Sample ID: C11040726-003DMS | Sample Matrix Spike | | | | | Run: EGG-ORTEC_110518A | | 05/20/11 16:22 | | |
| Thorium 230 | | 11 | pCi/L | | 101 | 70 | 130 | | | |
| Sample ID: C11040726-003DMSD | Sample Matrix Spike Duplicate | | | | | Run: EGG-ORTEC_110518A | | 05/20/11 16:22 | | |
| Thorium 230 | | 11 | pCi/L | | 96 | 70 | 130 | 5.1 | 39 | |
| Sample ID: MB-RA-TH-ISO-1391 | 3 | Method Blank | | | Run: EGG-ORTEC_110518A | | 05/23/11 09:10 | | | |
| Thorium 230 | | ND | pCi/L | 0.10 | | | | | | U |
| Thorium 230 precision (±) | | 0.093 | pCi/L | | | | | | | |
| Thorium 230 MDC | | 0.15 | pCi/L | | | | | | | |
| Method: E908.0 | | | | | | | | Batch: R146383 | | |
| Sample ID: LCS-29764 | Laboratory Control Sample | | | | | Run: EGG-ORTEC_110518B | | 05/23/11 09:12 | | |
| Thorium 230 | | 11 | pCi/L | | 108 | 70 | 130 | | | |
| Sample ID: MB-29764 | 3 | Method Blank | | | Run: EGG-ORTEC_110518B | | 05/23/11 09:12 | | | |
| Thorium 230 | | ND | pCi/L | 0.10 | | | | | | U |
| Thorium 230 precision (±) | | 0.15 | pCi/L | | | | | | | |
| Thorium 230 MDC | | 0.29 | pCi/L | | | | | | | |
| Sample ID: C11050219-001HMS | Sample Matrix Spike | | | | | Run: EGG-ORTEC_110518B | | 05/23/11 14:06 | | |
| Thorium 230 | | 7.4 | pCi/L | | 86 | 70 | 130 | | | |
| Sample ID: C11050219-001HMSD | Sample Matrix Spike Duplicate | | | | | Run: EGG-ORTEC_110518B | | 05/23/11 14:06 | | |
| Thorium 230 | | 9.5 | pCi/L | | 111 | 70 | 130 | 25 | 45.2 | |

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 06/23/11

Project: Marsland Baseline Samples

Work Order: C11040852

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|--|-------|-------------------------------|-------|-----|------|-----------------|------------|-----|----------|-----------------------|
| Method: E909.0 | | | | | | | | | | Batch: T_13927 |
| Sample ID: C11040852-001HMSD | | Sample Matrix Spike Duplicate | | | | Run: SUB-T40610 | | | | 05/26/11 06:29 |
| Lead 210 | | 74 | pCi/L | | 79 | 70 | 130 | 5.4 | 17.7 | |
| Sample ID: C11040852-001HMS | | Sample Matrix Spike | | | | Run: SUB-T40610 | | | | 05/26/11 04:17 |
| Lead 210 | | 70 | pCi/L | | 75 | 70 | 130 | | | |
| Sample ID: LCS-13927 | | Laboratory Control Sample | | | | Run: SUB-T40610 | | | | 05/25/11 23:54 |
| Lead 210 | | 220 | pCi/L | | 64 | 70 | 130 | | | S |
| - LCS response is outside of the acceptance range for this analysis due to interference from excess HCl in the sample. Since the MB, MS, and MSD are acceptable the batch is approved. | | | | | | | | | | |
| Sample ID: MB-13927 | 3 | Method Blank | | | | Run: SUB-T40610 | | | | 05/25/11 21:43 |
| Lead 210 | | ND | pCi/L | 1.0 | | | | | | U |
| Lead 210 precision (±) | | 7.2 | pCi/L | | | | | | | |
| Lead 210 MDC | | 12 | pCi/L | | | | | | | |
| Method: E909.0 | | | | | | | | | | Batch: T_PB-210-0109A |
| Sample ID: C11040738-018DMSD | | Sample Matrix Spike Duplicate | | | | Run: SUB-T40864 | | | | 06/19/11 19:08 |
| Lead 210 | | 160 | pCi/L | | 88 | 70 | 130 | 4.9 | 15.3 | |
| Sample ID: C11040738-018DMS | | Sample Matrix Spike | | | | Run: SUB-T40864 | | | | 06/19/11 17:29 |
| Lead 210 | | 150 | pCi/L | | 83 | 70 | 130 | | | |
| Sample ID: LCS-PB-210-0109 | | Laboratory Control Sample | | | | Run: SUB-T40864 | | | | 06/19/11 14:11 |
| Lead 210 | | 48 | pCi/L | | 89 | 70 | 130 | | | |
| Sample ID: MB-PB-210-0109 | 3 | Method Blank | | | | Run: SUB-T40864 | | | | 06/19/11 12:33 |
| Lead 210 | | ND | pCi/L | 1.0 | | | | | | U |
| Lead 210 precision (±) | | 0.71 | pCi/L | | | | | | | |
| Lead 210 MDC | | 1.2 | pCi/L | | | | | | | |

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

U - Not detected at minimum detectable concentration

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 06/23/11

Project: Marsland Baseline Samples

Work Order: C11040852

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|---|-------------------------------|--------------|-------|------|------|------------------------|------------|-----|-------------------|------|
| Method: E912.0 | | | | | | | | | Batch: PO210-0370 | |
| Sample ID: C11040911-001BMS | Sample Matrix Spike | | | | | Run: EGG-ORTEC_110505C | | | 05/09/11 11:18 | |
| Polonium 210 | 13 | pCi/L | | 100 | | 70 | 130 | | | |
| Sample ID: C11040911-001BMSD | Sample Matrix Spike Duplicate | | | | | Run: EGG-ORTEC_110505C | | | 05/09/11 11:18 | |
| Polonium 210 | 9.7 | pCi/L | | 73 | | 70 | 130 | 30 | | 84.5 |
| Sample ID: MB-PO210-0370 | 3 | Method Blank | | | | Run: EGG-ORTEC_110505C | | | 05/13/11 08:49 | |
| Polonium 210 | ND | pCi/L | | 0.20 | | | | | | U |
| Polonium 210 precision (\pm) | 0.35 | pCi/L | | | | | | | | |
| Polonium 210 MDC | 0.99 | pCi/L | | | | | | | | |
| Sample ID: LCS-PO210-0370 | Laboratory Control Sample | | | | | Run: EGG-ORTEC_110505C | | | 05/10/11 08:41 | |
| Polonium 210 | 4.8 | pCi/L | | 77 | | 70 | 130 | | | |
| Method: E912.0 | | | | | | | | | Batch: PO210-0371 | |
| Sample ID: C11040296-002HMS | Sample Matrix Spike | | | | | Run: EGG-ORTEC_110516A | | | 05/23/11 14:03 | |
| Polonium 210 | 4.8 | pCi/L | | 89 | | 70 | 130 | | | |
| Sample ID: C11040296-002HMSD | Sample Matrix Spike Duplicate | | | | | Run: EGG-ORTEC_110516A | | | 05/23/11 14:03 | |
| Polonium 210 | 5.1 | pCi/L | | 96 | | 70 | 130 | 7.2 | | 66.9 |
| Sample ID: LCS-29539 | Laboratory Control Sample | | | | | Run: EGG-ORTEC_110516A | | | 05/19/11 09:04 | |
| Polonium 210 | 40 | pCi/L | | 132 | | 70 | 130 | | | S |
| - LCS response is outside of the acceptance range for this analysis. Since the MB, MS, MSD, other LCSs, and all tracer recoveries are acceptable the batch is approved. | | | | | | | | | | |
| Sample ID: MB-29539 | 3 | Method Blank | | | | Run: EGG-ORTEC_110516A | | | 05/19/11 09:04 | |
| Polonium 210 | 0.48 | pCi/L | | 0.20 | | | | | | U |
| Polonium 210 precision (\pm) | 1.2 | pCi/L | | | | | | | | |
| Polonium 210 MDC | 2.1 | pCi/L | | | | | | | | |

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

U - Not detected at minimum detectable concentration

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

Workorder Receipt Checklist



C11040852

Login completed by: Tabitha Edwards

Date Received: 4/28/2011

Reviewed by: BL2000\cwagner

Received by: em

Reviewed Date: 4/29/2011

Carrier Ground
name:

| | | | |
|---|---|-----------------------------|--|
| Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Container/Temp Blank temperature: | 5.8°C On Ice | | |
| Water - VOA vials have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | No VOA vials submitted <input checked="" type="checkbox"/> |
| Water - pH acceptable upon receipt? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Applicable <input type="checkbox"/> |

Contact and Corrective Action Comments:

None

Chain of Custody and Analytical Request Record

PLEASE PRINT- Provide as much information as possible.

| | | | | | | | | | | | | | | | | | | | | | |
|---|----------|-----------------|---|--------|--|-------------------------|----------------------------|---|---|--|----------------------------------|--|--|--|--|--|--|--|--|--|--|
| Company Name: Crow Butte Resources, Inc. | | | Project Name Marsland Baseline Samples | | | Sample Origin State: | | EPA/State Compliance: Yes <input type="checkbox"/> No <input type="checkbox"/> | | | | | | | | | | | | | |
| Report Mail Address: P.O. Box 169 Crawford, NE 69339 | | | Contact Name: Larry Teahon | | Phone/Fax: 308-665-2341 | | Email: daxmynus@msn.com | | Sampler: (Please Print) Brooke Bass Rhonda Pelton | | | | | | | | | | | | |
| Invoice Address: P.O. Box 169 Crawford, NE 69339 | | | Invoice Contact & Phone: Larry Teahon 308-665-2215 ext 114 | | | Purchase Order: 1125 | | Quote/Bottle Order: | | | | | | | | | | | | | |
| Special Report/Formats – ELI must be notified prior to sample submittal for the following: <input type="checkbox"/> DW <input type="checkbox"/> A2LA <input type="checkbox"/> GSA <input type="checkbox"/> EDD/EDT (Electronic Data) <input type="checkbox"/> POTW/WWTP <input type="checkbox"/> LEVEL IV <input type="checkbox"/> State: _____ <input type="checkbox"/> NELAC <input type="checkbox"/> Other: _____ | | | Number of Containers Sample Type: A W S V B O Air Water Soils/Solids Vegetation Bioassay Other | | ANALYSIS REQUESTED HNO3-F, Metals RAW-F, Common Ions RAW-UF, Alkalinity H2SO4-F, NO2, NO3, NH4 Raw-UF, Ra226, Po210 dis, sus Raw-UF, Pb210 dis and sus Raw-UF, Th230, U-nat dis and sus | | | SEE ATTACHED Normal Turnaround (TAT) | | RUSH Contact ELI prior to RUSH sample submittal for charges and scheduling – See Instruction Page Comments: NDEQ parameters for baseline sampling. Report on separate sheets. Analyze as per WDEQ Guideline 8 and NRC Reg. Guide 4.14 requirements. Record U as mg/L and µCi/ml and radiometrics as pCi/L. Please report 5/30/11 | | Shipped by: Cooler ID(s): Receipt Temp 58 °C On Ice: <input checked="" type="radio"/> Yes <input type="radio"/> No Custody Seal <input checked="" type="radio"/> Y <input type="radio"/> N Intact <input type="radio"/> Y <input type="radio"/> N Signature Match <input type="radio"/> Y <input type="radio"/> N | | | | | | | | | |
| SAMPLE IDENTIFICATION (Name, Location, Interval, etc.) | | Collection Date | Collection Time | MATRIX | HNO3-F, Metals | RAW-F, Common Ions | RAW-UF, Alkalinity | H2SO4-F, NO2, NO3, NH4 | Raw-UF, Ra226, Po210 dis, sus | Raw-UF, Pb210 dis and sus | Raw-UF, Th230, U-nat dis and sus | | | | | | | | | | |
| 1 | Well 747 | 4/25/11 | | Water | .5 | 1 | 1 | .5 | 1 | 1 | 1 | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | |
|-------------------------------|--|-----------------------|------------------------------------|----------------------------|------------|------------|
| Custody Record MUST be Signed | Relinquished by (print): <i>Brooke Bass</i> | Date/Time: 4/24/11 | Signature: <i>Brooke Bass</i> | Received by (print): | Date/Time: | Signature: |
| | Relinquished by (print): | Date/Time: | Signature: | Received by (print): | Date/Time: | Signature: |
| | Sample Disposal: Return to Client: No | Lab Disposal: YES | Received by (print): <i>ELI</i> | Date/Time: 4/25/11 9:40 | Signature: | |

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report. Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.

CROW BUTTE RESOURCES, INC.
CROW BUTTE PROJECT

NO₂⁻

DATE: 4-26-11

ANALYST: MO

STANDARD CURVE DATA

| | | | | | | | |
|-----|------|------|------|------|--|--|--|
| | BL | .01 | .05 | .1 | | | |
| Abs | .000 | .037 | .173 | .341 | | | |
| Abs | | | | | | | |

| SAMPLE # | VOLUME | Df | Abs | NO ₂ ⁻ mg/L |
|-----------|--------|----|------|-----------------------------------|
| 1 747 | 10ml | 1 | .004 | 21 |
| 2 DUP 747 | 10ml | 1 | .005 | 21 |
| 3 | | | | |
| 4 | | | | |
| 5 | | | | |
| Dup | | | | |
| 6 | | | | |
| 7 | | | | |
| 8 | | | | |
| 9 | | | | |
| 10 | | | | |
| Dup | | | | |
| 11 | | | | |
| 12 | | | | |
| 13 | | | | |
| 14 | | | | |
| 15 | | | | |
| Dup | | | | |
| 16 | | | | |
| 17 | | | | |
| 18 | | | | |
| 19 | | | | |
| 20 | | | | |
| Dup | | | | |
| 21 | | | | |
| 22 | | | | |
| 23 | | | | |
| 24 | | | | |
| 25 | | | | |
| Dup | | | | |

ANALYTICAL SUMMARY REPORT

June 27, 2011

Crow Butte Resources
86 Crow Butte Rd
Crawford, NE 69339

Workorder No.: C11050219

Quote ID: C1125 - Crow Butte Uranium

Project Name: Marsland Baseline Samples

Energy Laboratories, Inc. Casper WY received the following 3 samples for Crow Butte Resources on 5/6/2011 for analysis.

| Sample ID | Client Sample ID | Collect Date | Receive Date | Matrix | Test |
|---------------|------------------|----------------|--------------|---------|--|
| C11050219-001 | BOW 4-A | 05/03/11 00:00 | 05/06/11 | Aqueous | Metals by ICP/ICPMS, Dissolved Alkalinity QA Calculations Conductivity Sample Filtering Fluoride E300.0 Anions Uranium, Suspended Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Digestion, Total Metals Lead 210, Dissolved Lead 210, Suspended Polonium 210, Dissolved Polonium 210, Suspended Radium 226, Dissolved Radium 226, Suspended Thorium, Isotopic Thorium, Suspended Isotopic Solids, Total Dissolved |
| C11050219-002 | BOW 7 | 05/03/11 00:00 | 05/06/11 | Aqueous | Same As Above |
| C11050219-003 | BOW 8 | 05/03/11 00:00 | 05/06/11 | Aqueous | Same As Above |

This report was prepared by Energy Laboratories, Inc., 2393 Salt Creek Hwy., Casper, WY 82601. Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

The results as reported relate only to the item(s) submitted for testing.

If you have any questions regarding these test results, please call.

Report Approved By:



CLIENT: Crow Butte Resources
Project: Marsland Baseline Samples
Sample Delivery Group: C11050219

Report Date: 06/27/11

CASE NARRATIVE

RADIOCHEMISTRY ANALYSIS

Per client request, results less than MDC (or precision if no MDC), are reported as <MDC (or <precision). Actual instrument results are available by request.

BRANCH LABORATORY SUBCONTRACT ANALYSIS

Tests associated with analyst identified as ELI-CS were subcontracted to Energy Laboratories, 415 Graham Rd., College Station, TX, EPA Number TX01520.

ORIGINAL SAMPLE SUBMITTAL(S)

All original sample submittals have been returned with the data package.

SAMPLE TEMPERATURE COMPLIANCE: 4°C (±2°C)

Temperature of samples received may not be considered properly preserved by accepted standards. Samples that are hand delivered immediately after collection shall be considered acceptable if there is evidence that the chilling process has begun.

GROSS ALPHA ANALYSIS

Method 900.0 for gross alpha and gross beta is intended as a drinking water method for low TDS waters. Data provided by this method for non potable waters should be viewed as inconsistent.

SOIL/SOLID SAMPLES

All samples reported on an as received basis unless otherwise indicated.

SUBCONTRACTING ANALYSIS

Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.

BRANCH LABORATORY LOCATIONS

eli-b - Energy Laboratories, Inc. - Billings, MT
eli-g - Energy Laboratories, Inc. - Gillette, WY
eli-h - Energy Laboratories, Inc. - Helena, MT
eli-r - Energy Laboratories, Inc. - Rapid City, SD
eli-t - Energy Laboratories, Inc. - College Station, TX

CERTIFICATIONS:

USEPA: WY00002; FL-DOH NELAC: E87641; California: 02118CA
Oregon: WY200001; Utah: 3072350515; Virginia: 00057; Washington: C1903

ISO 17025 DISCLAIMER:

The results of this Analytical Report relate only to the items submitted for analysis.

ENERGY LABORATORIES, INC. - CASPER, WY certifies that certain method selections contained in this report meet requirements as set forth by the above accrediting authorities. Some results requested by the client may not be covered under these certifications. All analysis data to be submitted for regulatory enforcement should be certified in the sample state of origin. Please verify ELI's certification coverage by visiting www.energylab.com

ELI appreciates the opportunity to provide you with this analytical service. For additional information and services visit our web page www.energylab.com.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11050219-001
Client Sample ID: BOW 4-A

Report Date: 06/27/11
Collection Date: 05/03/11
Date Received: 05/06/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 125 | mg/L | | 1 | | A2320 B | 05/06/11 19:42 / jba |
| Carbonate as CO ₃ | 19 | mg/L | | 1 | | A2320 B | 05/06/11 19:42 / jba |
| Bicarbonate as HCO ₃ | 114 | mg/L | | 1 | | A2320 B | 05/06/11 19:42 / jba |
| Calcium | 6 | mg/L | | 1 | | E200.8 | 05/10/11 04:40 / sml |
| Chloride | 28 | mg/L | | 1 | | E300.0 | 05/07/11 16:50 / ljl |
| Fluoride | 0.5 | mg/L | | 0.1 | | A4500-F C | 05/09/11 10:15 / jba |
| Magnesium | ND | mg/L | | 1 | | E200.8 | 05/10/11 04:40 / sml |
| Nitrogen, Ammonia as N | ND | mg/L | | 0.05 | | A4500-NH ₃ G | 05/19/11 14:40 / dc |
| Nitrogen, Nitrate+Nitrite as N | 1.1 | mg/L | | 0.1 | | E353.2 | 05/09/11 14:11 / dc |
| Potassium | 8 | mg/L | | 1 | | E200.8 | 05/10/11 04:40 / sml |
| Silica | 75.6 | mg/L | | 0.2 | | E200.7 | 05/13/11 16:11 / cp |
| Sodium | 84 | mg/L | | 1 | | E200.8 | 05/10/11 04:40 / sml |
| Sulfate | 49 | mg/L | | 1 | | E300.0 | 05/07/11 16:50 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 446 | umhos/cm | | 1 | | A2510 B | 05/06/11 16:00 / lmc |
| pH | 9.31 | s.u. | | 0.01 | | A4500-H B | 05/06/11 16:00 / lmc |
| Solids, Total Dissolved TDS @ 180 C | 316 | mg/L | | 10 | | A2540 C | 05/09/11 12:54 / lmc |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.8 | 05/10/11 04:40 / sml |
| Arsenic | 0.015 | mg/L | | 0.001 | | E200.8 | 05/10/11 04:40 / sml |
| Barium | ND | mg/L | | 0.1 | | E200.8 | 05/10/11 04:40 / sml |
| Boron | 0.1 | mg/L | | 0.1 | | E200.8 | 05/10/11 04:40 / sml |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 05/10/11 04:40 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 05/10/11 04:40 / sml |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 05/10/11 04:40 / sml |
| Iron | ND | mg/L | | 0.03 | | E200.8 | 05/10/11 04:40 / sml |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 05/10/11 04:40 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 05/10/11 04:40 / sml |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 05/10/11 04:40 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 05/10/11 04:40 / sml |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 05/10/11 04:40 / sml |
| Selenium | 0.012 | mg/L | | 0.001 | | E200.8 | 05/10/11 04:40 / sml |
| Uranium | 0.0061 | mg/L | | 0.0003 | | E200.8 | 05/10/11 04:40 / sml |
| Uranium, Activity | 4.1E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 05/10/11 04:40 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 05/10/11 04:40 / sml |
| Zinc | ND | mg/L | | 0.01 | | E200.8 | 05/10/11 04:40 / sml |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 05/11/11 19:22 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 05/11/11 19:22 / sml |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11050219-001
Client Sample ID: BOW 4-A

Report Date: 06/27/11
Collection Date: 05/03/11
Date Received: 05/06/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|-----|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 05/31/11 05:42 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 05/31/11 05:42 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 05/31/11 05:42 / eli-cs |
| Polonium 210 | <0.5 | pCi/L | U | 0.5 | | E912.0 | 05/19/11 09:05 / ep |
| Polonium 210 precision (±) | 0.5 | pCi/L | | | | E912.0 | 05/19/11 09:05 / ep |
| Polonium 210 MDC | 0.5 | pCi/L | | | | E912.0 | 05/19/11 09:05 / ep |
| Radium 226 | <0.1 | pCi/L | U | 0.1 | | E903.0 | 05/24/11 10:54 / trs |
| Radium 226 precision (±) | 0.09 | pCi/L | | | | E903.0 | 05/24/11 10:54 / trs |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 05/24/11 10:54 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 05/13/11 08:50 / dmf |
| Thorium 230 precision (±) | 0.09 | pCi/L | | | | E908.0 | 05/13/11 08:50 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 05/13/11 08:50 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <1.1 | pCi/L | U | 1.1 | | E909.0 | 06/23/11 16:51 / eli-cs |
| Lead 210 precision (±) | 0.6 | pCi/L | | | | E909.0 | 06/23/11 16:51 / eli-cs |
| Lead 210 MDC | 1.1 | pCi/L | | | | E909.0 | 06/23/11 16:51 / eli-cs |
| Polonium 210 | <0.3 | pCi/L | U | 0.3 | | E912.0 | 05/19/11 11:22 / ep |
| Polonium 210 precision (±) | 0.1 | pCi/L | | | | E912.0 | 05/19/11 11:22 / ep |
| Polonium 210 MDC | 0.3 | pCi/L | | | | E912.0 | 05/19/11 11:22 / ep |
| Radium 226 | <0.1 | pCi/L | U | 0.1 | | E903.0 | 05/18/11 11:14 / trs |
| Radium 226 precision (±) | 0.07 | pCi/L | | | | E903.0 | 05/18/11 11:14 / trs |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 05/18/11 11:14 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 05/23/11 09:12 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 05/23/11 09:12 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 05/23/11 09:12 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | -1.89 | % | | | | Calculation | 05/13/11 13:22 / kbh |
| Anions | 4.40 | meq/L | | | | Calculation | 05/13/11 13:22 / kbh |
| Cations | 4.24 | meq/L | | | | Calculation | 05/13/11 13:22 / kbh |
| Solids, Total Dissolved Calculated | 256 | mg/L | | | | Calculation | 05/13/11 13:22 / kbh |
| TDS Balance (0.80 - 1.20) | 1.23 | | | | | Calculation | 05/13/11 13:22 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11050219-002
Client Sample ID: BOW 7

Report Date: 06/27/11
Collection Date: 05/03/11
Date Received: 05/06/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 180 | mg/L | | 1 | | A2320 B | 05/06/11 19:51 / jba |
| Carbonate as CO ₃ | 14 | mg/L | | 1 | | A2320 B | 05/06/11 19:51 / jba |
| Bicarbonate as HCO ₃ | 191 | mg/L | | 1 | | A2320 B | 05/06/11 19:51 / jba |
| Calcium | 6 | mg/L | | 1 | | E200.8 | 05/10/11 04:47 / sml |
| Chloride | 25 | mg/L | | 1 | | E300.0 | 05/07/11 17:05 / ljl |
| Fluoride | 0.6 | mg/L | | 0.1 | | A4500-F C | 05/09/11 10:27 / jba |
| Magnesium | ND | mg/L | | 1 | | E200.8 | 05/10/11 04:47 / sml |
| Nitrogen, Ammonia as N | ND | mg/L | | 0.05 | | A4500-NH ₃ G | 05/19/11 14:42 / dc |
| Nitrogen, Nitrate+Nitrite as N | 1.0 | mg/L | | 0.1 | | E353.2 | 05/09/11 14:14 / dc |
| Potassium | 9 | mg/L | | 1 | | E200.8 | 05/10/11 04:47 / sml |
| Silica | 80.1 | mg/L | | 0.2 | | E200.7 | 05/13/11 16:15 / cp |
| Sodium | 106 | mg/L | | 1 | | E200.8 | 05/10/11 04:47 / sml |
| Sulfate | 52 | mg/L | D | 2 | | E300.0 | 05/07/11 17:05 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 535 | umhos/cm | | 1 | | A2510 B | 05/06/11 16:02 / lmc |
| pH | 8.93 | s.u. | | 0.01 | | A4500-H B | 05/06/11 16:02 / lmc |
| Solids, Total Dissolved TDS @ 180 C | 376 | mg/L | | 10 | | A2540 C | 05/09/11 12:54 / lmc |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.8 | 05/10/11 04:47 / sml |
| Arsenic | 0.030 | mg/L | | 0.001 | | E200.8 | 05/10/11 04:47 / sml |
| Barium | ND | mg/L | | 0.1 | | E200.8 | 05/10/11 04:47 / sml |
| Boron | 0.1 | mg/L | | 0.1 | | E200.8 | 05/10/11 04:47 / sml |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 05/10/11 04:47 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 05/10/11 04:47 / sml |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 05/10/11 04:47 / sml |
| Iron | ND | mg/L | | 0.03 | | E200.8 | 05/10/11 04:47 / sml |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 05/10/11 04:47 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 05/10/11 04:47 / sml |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 05/10/11 04:47 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 05/10/11 04:47 / sml |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 05/10/11 04:47 / sml |
| Selenium | 0.235 | mg/L | | 0.001 | | E200.8 | 05/10/11 04:47 / sml |
| Uranium | 0.0049 | mg/L | | 0.0003 | | E200.8 | 05/10/11 04:47 / sml |
| Uranium, Activity | 3.3E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 05/10/11 04:47 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 05/10/11 04:47 / sml |
| Zinc | ND | mg/L | | 0.01 | | E200.8 | 05/10/11 04:47 / sml |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 05/11/11 19:27 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 05/11/11 19:27 / sml |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11050219-002
Client Sample ID: BOW 7

Report Date: 06/27/11
Collection Date: 05/03/11
Date Received: 05/06/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|-----|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 05/31/11 07:53 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 05/31/11 07:53 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 05/31/11 07:53 / eli-cs |
| Polonium 210 | <0.9 | pCi/L | U | 0.9 | | E912.0 | 05/19/11 09:05 / ep |
| Polonium 210 precision (±) | 0.7 | pCi/L | | | | E912.0 | 05/19/11 09:05 / ep |
| Polonium 210 MDC | 0.9 | pCi/L | | | | E912.0 | 05/19/11 09:05 / ep |
| Radium 226 | 0.6 | pCi/L | | 0.2 | | E903.0 | 05/24/11 10:54 / trs |
| Radium 226 precision (±) | 0.2 | pCi/L | | | | E903.0 | 05/24/11 10:54 / trs |
| Radium 226 MDC | 0.2 | pCi/L | | | | E903.0 | 05/24/11 10:54 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 05/13/11 13:34 / dmf |
| Thorium 230 precision (±) | 0.1 | pCi/L | | | | E908.0 | 05/13/11 13:34 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 05/13/11 13:34 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.9 | pCi/L | U | 0.9 | | E909.0 | 06/23/11 20:09 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 06/23/11 20:09 / eli-cs |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 06/23/11 20:09 / eli-cs |
| Polonium 210 | <0.2 | pCi/L | U | 0.2 | | E912.0 | 05/19/11 11:22 / ep |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 05/19/11 11:22 / ep |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 05/19/11 11:22 / ep |
| Radium 226 | 0.2 | pCi/L | | 0.1 | | E903.0 | 05/18/11 11:14 / trs |
| Radium 226 precision (±) | 0.1 | pCi/L | | | | E903.0 | 05/18/11 11:14 / trs |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 05/18/11 11:14 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 05/23/11 14:06 / dmf |
| Thorium 230 precision (±) | 0.08 | pCi/L | | | | E908.0 | 05/23/11 14:06 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 05/23/11 14:06 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | -2.68 | % | | | | Calculation | 05/13/11 13:22 / kbh |
| Anions | 5.48 | meq/L | | | | Calculation | 05/13/11 13:22 / kbh |
| Cations | 5.20 | meq/L | | | | Calculation | 05/13/11 13:22 / kbh |
| Solids, Total Dissolved Calculated | 312 | mg/L | | | | Calculation | 05/13/11 13:22 / kbh |
| TDS Balance (0.80 - 1.20) | 1.21 | | | | | Calculation | 05/13/11 13:22 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11050219-003
Client Sample ID: BOW 8

Report Date: 06/27/11
Collection Date: 05/03/11
Date Received: 05/06/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 179 | mg/L | | 1 | | A2320 B | 05/06/11 20:00 / jba |
| Carbonate as CO ₃ | 14 | mg/L | | 1 | | A2320 B | 05/06/11 20:00 / jba |
| Bicarbonate as HCO ₃ | 189 | mg/L | | 1 | | A2320 B | 05/06/11 20:00 / jba |
| Calcium | 9 | mg/L | | 1 | | E200.8 | 05/10/11 04:53 / sml |
| Chloride | 9 | mg/L | | 1 | | E300.0 | 05/07/11 17:51 / ljl |
| Fluoride | 0.5 | mg/L | | 0.1 | | A4500-F C | 05/09/11 10:34 / jba |
| Magnesium | ND | mg/L | | 1 | | E200.8 | 05/10/11 04:53 / sml |
| Nitrogen, Ammonia as N | ND | mg/L | | 0.05 | | A4500-NH ₃ G | 05/19/11 14:44 / dc |
| Nitrogen, Nitrate+Nitrite as N | 0.7 | mg/L | | 0.1 | | E353.2 | 05/09/11 14:16 / dc |
| Potassium | 10 | mg/L | | 1 | | E200.8 | 05/10/11 04:53 / sml |
| Silica | 80.2 | mg/L | | 0.2 | | E200.7 | 05/13/11 16:40 / cp |
| Sodium | 79 | mg/L | | 1 | | E200.8 | 05/10/11 04:53 / sml |
| Sulfate | 24 | mg/L | | 1 | | E300.0 | 05/07/11 17:51 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 410 | umhos/cm | | 1 | | A2510 B | 05/06/11 16:03 / lmc |
| pH | 8.93 | s.u. | | 0.01 | | A4500-H B | 05/06/11 16:03 / lmc |
| Solids, Total Dissolved TDS @ 180 C | 299 | mg/L | | 10 | | A2540 C | 05/09/11 12:54 / lmc |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.8 | 05/10/11 04:53 / sml |
| Arsenic | 0.006 | mg/L | | 0.001 | | E200.8 | 05/10/11 04:53 / sml |
| Barium | ND | mg/L | | 0.1 | | E200.8 | 05/10/11 04:53 / sml |
| Boron | ND | mg/L | | 0.1 | | E200.8 | 05/10/11 04:53 / sml |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 05/10/11 04:53 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 05/10/11 04:53 / sml |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 05/10/11 04:53 / sml |
| Iron | ND | mg/L | | 0.03 | | E200.8 | 05/10/11 04:53 / sml |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 05/10/11 04:53 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 05/10/11 04:53 / sml |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 05/10/11 04:53 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 05/10/11 04:53 / sml |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 05/10/11 04:53 / sml |
| Selenium | ND | mg/L | | 0.001 | | E200.8 | 05/10/11 04:53 / sml |
| Uranium | 0.0069 | mg/L | | 0.0003 | | E200.8 | 05/10/11 04:53 / sml |
| Uranium, Activity | 4.7E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 05/10/11 04:53 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 05/10/11 04:53 / sml |
| Zinc | ND | mg/L | | 0.01 | | E200.8 | 05/10/11 04:53 / sml |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 05/11/11 19:33 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 05/11/11 19:33 / sml |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11050219-003
Client Sample ID: BOW 8

Report Date: 06/27/11
Collection Date: 05/03/11
Date Received: 05/06/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|-----|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 05/31/11 10:05 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 05/31/11 10:05 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 05/31/11 10:05 / eli-cs |
| Polonium 210 | <0.6 | pCi/L | U | 0.6 | | E912.0 | 05/19/11 09:05 / ep |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 05/19/11 09:05 / ep |
| Polonium 210 MDC | 0.6 | pCi/L | | | | E912.0 | 05/19/11 09:05 / ep |
| Radium 226 | <0.1 | pCi/L | U | 0.1 | | E903.0 | 05/24/11 10:54 / trs |
| Radium 226 precision (±) | 0.1 | pCi/L | | | | E903.0 | 05/24/11 10:54 / trs |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 05/24/11 10:54 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 05/13/11 13:34 / dmf |
| Thorium 230 precision (±) | 0.09 | pCi/L | | | | E908.0 | 05/13/11 13:34 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 05/13/11 13:34 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.9 | pCi/L | U | 0.9 | | E909.0 | 06/23/11 21:15 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 06/23/11 21:15 / eli-cs |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 06/23/11 21:15 / eli-cs |
| Polonium 210 | <0.2 | pCi/L | U | 0.2 | | E912.0 | 05/19/11 11:22 / ep |
| Polonium 210 precision (±) | 0.07 | pCi/L | | | | E912.0 | 05/19/11 11:22 / ep |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 05/19/11 11:22 / ep |
| Radium 226 | <0.1 | pCi/L | U | 0.1 | | E903.0 | 05/18/11 11:14 / trs |
| Radium 226 precision (±) | 0.07 | pCi/L | | | | E903.0 | 05/18/11 11:14 / trs |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 05/18/11 11:14 / trs |
| Thorium 230 | 0.3 | pCi/L | | 0.1 | | E908.0 | 05/24/11 09:54 / dmf |
| Thorium 230 precision (±) | 0.1 | pCi/L | | | | E908.0 | 05/24/11 09:54 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 05/24/11 09:54 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | -2.91 | % | | | | Calculation | 05/13/11 13:23 / kbh |
| Anions | 4.39 | meq/L | | | | Calculation | 05/13/11 13:23 / kbh |
| Cations | 4.14 | meq/L | | | | Calculation | 05/13/11 13:23 / kbh |
| Solids, Total Dissolved Calculated | 241 | mg/L | | | | Calculation | 05/13/11 13:23 / kbh |
| TDS Balance (0.80 - 1.20) | 1.24 | | | | | Calculation | 05/13/11 13:23 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples

Report Date: 06/27/11
Work Order: C11050219

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|--|-------|---------------------------|-------|-----|------|----------------------|------------|-----|----------|----------------|
| Method: A2320 B | | | | | | | | | | Batch: R145591 |
| Sample ID: MBLK | 3 | Method Blank | | | | Run: MANTECH_110506A | | | | 05/06/11 14:43 |
| Alkalinity, Total as CaCO ₃ | | 2 | mg/L | 1 | | | | | | |
| Carbonate as CO ₃ | | ND | mg/L | 1 | | | | | | |
| Bicarbonate as HCO ₃ | | 3 | mg/L | 1 | | | | | | |
| Sample ID: LCS | | Laboratory Control Sample | | | | Run: MANTECH_110506A | | | | 05/06/11 14:58 |
| Alkalinity, Total as CaCO ₃ | | 211 | mg/L | 5.0 | 105 | 90 | 110 | | | |
| Sample ID: C11050176-001ADUP | | Sample Duplicate | | | | Run: MANTECH_110506A | | | | 05/06/11 16:14 |
| Alkalinity, Total as CaCO ₃ | | 278 | mg/L | 5.0 | | | | 0.9 | 10 | |
| Sample ID: C11050204-009AMS | | Sample Matrix Spike | | | | Run: MANTECH_110506A | | | | 05/06/11 19:04 |
| Alkalinity, Total as CaCO ₃ | | 404 | mg/L | 5.0 | 105 | 80 | 120 | | | |

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 06/27/11

Project: Marsland Baseline Samples

Work Order: C11050219

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|------------------------------|---|--------|----------|-------------------------------------|------|--------------------------|------------|-----|----------------|----------------|
| Method: A2510 B | | | | Analytical Run: ORION555A-2_110506B | | | | | | |
| Sample ID: ICV2_110506_2 | Initial Calibration Verification Standard | | | | | | | | | 05/06/11 14:51 |
| Conductivity @ 25 C | | 1380 | umhos/cm | 1.0 | 98 | 90 | 110 | | | |
| Method: A2510 B | | | | Batch: 110506_2_PH-W_555A-2 | | | | | | |
| Sample ID: MBLK1_110506_2 | Method Blank | | | | | Run: ORION555A-2_110506B | | | 05/06/11 14:48 | |
| Conductivity @ 25 C | | 0.6 | umhos/cm | 0.2 | | | | | | |
| Sample ID: C11050227-010ADUP | Sample Duplicate | | | | | Run: ORION555A-2_110506B | | | 05/06/11 15:16 | |
| Conductivity @ 25 C | | 7290 | umhos/cm | 1.0 | | | | 0.1 | 10 | |

Qualifiers:

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MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 06/27/11

Project: Marsland Baseline Samples

Work Order: C11050219

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|---------------------------|-------|----|------|-----------|--------------------|-----|----------|----------------|
| Method: A2540 C | | | | | | | | | | Batch: R145727 |
| Sample ID: MBLK1_ | | Method Blank | | | | | Run: BAL-1_110509A | | | 05/09/11 12:52 |
| Solids, Total Dissolved TDS @ 180 C | | ND | mg/L | 4 | | | | | | |
| Sample ID: LCS1_ | | Laboratory Control Sample | | | | | Run: BAL-1_110509A | | | 05/09/11 12:53 |
| Solids, Total Dissolved TDS @ 180 C | | 998 | mg/L | 10 | 100 | 90 | 110 | | | |
| Sample ID: C11050219-003ADUP | | Sample Duplicate | | | | | Run: BAL-1_110509A | | | 05/09/11 12:55 |
| Solids, Total Dissolved TDS @ 180 C | | 299 | mg/L | 10 | | | | 0.1 | 10 | |
| Sample ID: C11050227-004AMS | | Sample Matrix Spike | | | | | Run: BAL-1_110509A | | | 05/09/11 12:57 |
| Solids, Total Dissolved TDS @ 180 C | | 4950 | mg/L | 10 | 104 | 90 | 110 | | | |

Qualifiers:

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MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Project: Marsland Baseline Samples

Report Date: 06/27/11

Work Order: C11050219

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|-------|------|-----------|----------------------|-----|----------|----------------|
| Method: A4500-F C | | | | | | | | | | Batch: R145635 |
| Sample ID: MBLK | | | | | | | | | | |
| Fluoride | | Method Blank | | | | | Run: MANTECH_110509A | | | 05/09/11 10:07 |
| | | 0.02 | mg/L | 0.008 | | | | | | |
| Sample ID: LCS | | | | | | | | | | |
| Fluoride | | Laboratory Control Sample | | | | | Run: MANTECH_110509A | | | 05/09/11 10:09 |
| | | 1.00 | mg/L | 0.10 | 98 | 90 | 110 | | | |
| Sample ID: C11050219-001BMS | | | | | | | | | | |
| Fluoride | | Sample Matrix Spike | | | | | Run: MANTECH_110509A | | | 05/09/11 10:17 |
| | | 1.53 | mg/L | 0.10 | 102 | 80 | 120 | | | |
| Sample ID: C11050219-001BMDS | | | | | | | | | | |
| Fluoride | | Sample Matrix Spike Duplicate | | | | | Run: MANTECH_110509A | | | 05/09/11 10:20 |
| | | 1.53 | mg/L | 0.10 | 102 | 80 | 120 | 0.0 | 10 | |

Qualifiers:

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MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Project: Marsland Baseline Samples

Report Date: 06/27/11

Work Order: C11050219

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|---|-------|-------------------------------------|------|-----------|------------|-----|----------|---|
| Method: A4500-H B | | | | Analytical Run: ORION555A-2_110506B | | | | | | |
| Sample ID: ICV1_110506_2 | | Initial Calibration Verification Standard | | | | | | | | 05/06/11 14:49 |
| pH | | 6.91 | s.u. | 0.010 | 101 | 98 | 102 | | | |
| Method: A4500-H B | | | | Batch: 110506_2_PH-W_555A-2 | | | | | | |
| Sample ID: C11050227-010ADUP | | Sample Duplicate | | | | | | | | Run: ORION555A-2_110506B 05/06/11 15:16 |
| pH | | 7.03 | s.u. | 0.010 | | | | 0.4 | 3 | |

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Project: Marsland Baseline Samples

Report Date: 06/27/11

Work Order: C11050219

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|-------|------|-----------|------------------------|-----|----------|----------------|
| Method: A4500-NH3 G | | | | | | | | | | Batch: R146051 |
| Sample ID: MBLK-1 | | Method Blank | | | | | Run: TECHNICON_110519A | | | 05/19/11 14:02 |
| Nitrogen, Ammonia as N | | ND | mg/L | 0.02 | | | | | | |
| Sample ID: LCS-2 | | Laboratory Control Sample | | | | | Run: TECHNICON_110519A | | | 05/19/11 14:04 |
| Nitrogen, Ammonia as N | | 2.04 | mg/L | 0.050 | 101 | 90 | 110 | | | |
| Sample ID: C11050219-003GMS | | Sample Matrix Spike | | | | | Run: TECHNICON_110519A | | | 05/19/11 14:46 |
| Nitrogen, Ammonia as N | | 1.78 | mg/L | 0.050 | 91 | 80 | 120 | | | |
| Sample ID: C11050219-003GMSD | | Sample Matrix Spike Duplicate | | | | | Run: TECHNICON_110519A | | | 05/19/11 14:48 |
| Nitrogen, Ammonia as N | | 1.75 | mg/L | 0.050 | 89 | 80 | 120 | 1.7 | 10 | |

Qualifiers:

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ND - Not detected at the reporting limit.



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples

Report Date: 06/27/11
Work Order: C11050219

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|-------|------|-----------|---------------------|-----|----------|----------------|
| Method: E200.7 | | | | | | | | | | Batch: R145849 |
| Sample ID: MB-110513A | | Method Blank | | | | | Run: ICP2-C_110513A | | | 05/13/11 12:21 |
| Silicon | | 0.1 | mg/L | 0.007 | | | | | | |
| Sample ID: LFB-110513A | | Laboratory Fortified Blank | | | | | Run: ICP2-C_110513A | | | 05/13/11 12:25 |
| Silicon | | 0.484 | mg/L | 0.10 | 108 | 85 | 115 | | | |
| Sample ID: C11050219-002CMS2 | | Sample Matrix Spike | | | | | Run: ICP2-C_110513A | | | 05/13/11 16:20 |
| Silicon | | 36.5 | mg/L | 0.10 | | 70 | 130 | | | A |
| Sample ID: C11050219-002CMSD | | Sample Matrix Spike Duplicate | | | | | Run: ICP2-C_110513A | | | 05/13/11 16:24 |
| Silicon | | 37.0 | mg/L | 0.10 | | 70 | 130 | 1.1 | 20 | A |

Qualifiers:

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ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples

Report Date: 06/27/11
Work Order: C11050219

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|---------|------------|---------|------|-----------|------------|-----|----------|----------------|
| Method: E200.8 | | | | | | | | | | Batch: 29809A |
| Sample ID: C11050219-003HMS | | | | | | | | | | |
| Sample Matrix Spike | | | | | | | | | | |
| Uranium | | 0.00456 | mg/L | 0.00030 | 101 | 70 | 130 | | | 05/11/11 19:38 |
| Sample ID: C11050219-003HMSD | | | | | | | | | | |
| Sample Matrix Spike Duplicate | | | | | | | | | | |
| Uranium | | 0.00441 | mg/L | 0.00030 | 97 | 70 | 130 | 3.5 | 20 | 05/11/11 19:43 |
| Sample ID: MB-29809 | | | | | | | | | | |
| Method Blank | | | | | | | | | | |
| Uranium | | 0.0002 | pCi/Filter | 6E-05 | | | | | | 05/11/11 18:25 |
| Sample ID: LCS2-29809 | | | | | | | | | | |
| Laboratory Control Sample | | | | | | | | | | |
| Uranium | | 0.105 | pCi/Filter | 0.00030 | 105 | 85 | 115 | | | 05/11/11 18:30 |

Qualifiers:

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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 06/27/11

Project: Marsland Baseline Samples

Work Order: C11050219

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|--|-------|---------|-------|---------|------|-----------|------------|-----|----------|--------------------------------------|
| Method: E200.8 | | | | | | | | | | Batch: R145652A |
| Sample ID: C11050206-001BMS4 21 Sample Matrix Spike | | | | | | | | | | Run: ICPMS4-C_110509A 05/10/11 03:59 |
| Aluminum | | 0.121 | mg/L | 0.10 | 102 | 70 | 130 | | | |
| Arsenic | | 0.0552 | mg/L | 0.0010 | 110 | 70 | 130 | | | |
| Barium | | 0.0759 | mg/L | 0.0010 | 105 | 70 | 130 | | | |
| Boron | | 0.0562 | mg/L | 0.0010 | 105 | 70 | 130 | | | |
| Cadmium | | 0.0564 | mg/L | 0.010 | 107 | 70 | 130 | | | |
| Calcium | | 70.4 | mg/L | 1.0 | | 70 | 130 | | | A |
| Chromium | | 0.0533 | mg/L | 0.050 | 107 | 70 | 130 | | | |
| Copper | | 0.0583 | mg/L | 0.010 | 105 | 70 | 130 | | | |
| Iron | | 1.36 | mg/L | 0.030 | 102 | 70 | 130 | | | |
| Lead | | 0.0530 | mg/L | 0.050 | 106 | 70 | 130 | | | |
| Magnesium | | 15.4 | mg/L | 1.0 | 95 | 70 | 130 | | | |
| Manganese | | 3.37 | mg/L | 0.010 | | 70 | 130 | | | A |
| Mercury | | 0.00505 | mg/L | 0.0010 | 101 | 70 | 130 | | | |
| Molybdenum | | 0.0537 | mg/L | 0.0010 | 105 | 70 | 130 | | | |
| Nickel | | 0.0550 | mg/L | 0.050 | 106 | 70 | 130 | | | |
| Potassium | | 13.1 | mg/L | 1.0 | 99 | 70 | 130 | | | |
| Selenium | | 0.0557 | mg/L | 0.0010 | 111 | 70 | 130 | | | |
| Sodium | | 14.1 | mg/L | 1.0 | 94 | 70 | 130 | | | |
| Uranium | | 0.0516 | mg/L | 0.00030 | 100 | 70 | 130 | | | |
| Vanadium | | 0.0530 | mg/L | 0.0010 | 106 | 70 | 130 | | | |
| Zinc | | 0.926 | mg/L | 0.010 | | 70 | 130 | | | A |
| Sample ID: C11050206-001BMSD 21 Sample Matrix Spike Duplicate | | | | | | | | | | Run: ICPMS4-C_110509A 05/10/11 04:05 |
| Aluminum | | 0.119 | mg/L | 0.10 | 99 | 70 | 130 | 1.1 | 20 | |
| Arsenic | | 0.0549 | mg/L | 0.0010 | 110 | 70 | 130 | 0.5 | 20 | |
| Barium | | 0.0749 | mg/L | 0.0010 | 103 | 70 | 130 | 1.4 | 20 | |
| Boron | | 0.0557 | mg/L | 0.0010 | 104 | 70 | 130 | 0.8 | 20 | |
| Cadmium | | 0.0553 | mg/L | 0.010 | 105 | 70 | 130 | 1.9 | 20 | |
| Calcium | | 69.9 | mg/L | 1.0 | | 70 | 130 | 0.7 | 20 | A |
| Chromium | | 0.0532 | mg/L | 0.050 | 106 | 70 | 130 | 0.0 | 20 | |
| Copper | | 0.0583 | mg/L | 0.010 | 105 | 70 | 130 | 0.0 | 20 | |
| Iron | | 1.33 | mg/L | 0.030 | 100 | 70 | 130 | 1.8 | 20 | |
| Lead | | 0.0521 | mg/L | 0.050 | 104 | 70 | 130 | 1.8 | 20 | |
| Magnesium | | 15.2 | mg/L | 1.0 | 93 | 70 | 130 | 1.5 | 20 | |
| Manganese | | 3.40 | mg/L | 0.010 | | 70 | 130 | 1.0 | 20 | A |
| Mercury | | 0.00496 | mg/L | 0.0010 | 99 | 70 | 130 | 1.8 | 20 | |
| Molybdenum | | 0.0528 | mg/L | 0.0010 | 104 | 70 | 130 | 1.6 | 20 | |
| Nickel | | 0.0549 | mg/L | 0.050 | 105 | 70 | 130 | 0.3 | 20 | |
| Potassium | | 13.0 | mg/L | 1.0 | 98 | 70 | 130 | 0.8 | 20 | |
| Selenium | | 0.0550 | mg/L | 0.0010 | 110 | 70 | 130 | 1.3 | 20 | |
| Sodium | | 13.8 | mg/L | 1.0 | 92 | 70 | 130 | 1.9 | 20 | |
| Uranium | | 0.0506 | mg/L | 0.00030 | 98 | 70 | 130 | 2.0 | 20 | |
| Vanadium | | 0.0525 | mg/L | 0.0010 | 105 | 70 | 130 | 0.8 | 20 | |
| Zinc | | 0.925 | mg/L | 0.010 | | 70 | 130 | 0.1 | 20 | A |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples

Report Date: 06/27/11
Work Order: C11050219

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-----------------------|-------|----------------------------|-------|-----------------------|------|-----------|----------------|-----|----------|-----------------|
| Method: E200.8 | | | | | | | | | | Batch: R145652A |
| Sample ID: LRB | 21 | Method Blank | | Run: ICPMS4-C_110509A | | | 05/09/11 13:43 | | | |
| Aluminum | | 0.005 | mg/L | 8E-05 | | | | | | |
| Arsenic | | ND | mg/L | 4E-05 | | | | | | |
| Barium | | ND | mg/L | 3E-05 | | | | | | |
| Boron | | 0.001 | mg/L | | | | | | | |
| Cadmium | | ND | mg/L | 7E-05 | | | | | | |
| Calcium | | 0.01 | mg/L | 0.004 | | | | | | |
| Chromium | | ND | mg/L | 5E-05 | | | | | | |
| Copper | | ND | mg/L | 6E-05 | | | | | | |
| Iron | | 0.0007 | mg/L | 0.0001 | | | | | | |
| Lead | | ND | mg/L | 2E-05 | | | | | | |
| Magnesium | | ND | mg/L | 0.001 | | | | | | |
| Manganese | | ND | mg/L | 2E-05 | | | | | | |
| Mercury | | ND | mg/L | 2E-05 | | | | | | |
| Molybdenum | | 0.0001 | mg/L | 8E-05 | | | | | | |
| Nickel | | ND | mg/L | 5E-05 | | | | | | |
| Potassium | | ND | mg/L | 0.007 | | | | | | |
| Selenium | | ND | mg/L | 5E-05 | | | | | | |
| Sodium | | 0.005 | mg/L | 0.004 | | | | | | |
| Uranium | | 2E-05 | mg/L | 8E-06 | | | | | | |
| Vanadium | | ND | mg/L | 1E-05 | | | | | | |
| Zinc | | ND | mg/L | 0.0001 | | | | | | |
| Sample ID: LFB | 21 | Laboratory Fortified Blank | | Run: ICPMS4-C_110509A | | | 05/09/11 13:50 | | | |
| Aluminum | | 0.0520 | mg/L | 0.0010 | 94 | 85 | 115 | | | |
| Arsenic | | 0.0533 | mg/L | 0.0010 | 107 | 85 | 115 | | | |
| Barium | | 0.0519 | mg/L | 0.0010 | 104 | 85 | 115 | | | |
| Boron | | 0.0530 | mg/L | 0.0010 | 103 | 85 | 115 | | | |
| Cadmium | | 0.0526 | mg/L | 0.0010 | 105 | 85 | 115 | | | |
| Calcium | | 11.8 | mg/L | 0.12 | 94 | 85 | 115 | | | |
| Chromium | | 0.0520 | mg/L | 0.0010 | 104 | 85 | 115 | | | |
| Copper | | 0.0528 | mg/L | 0.0010 | 105 | 85 | 115 | | | |
| Iron | | 1.26 | mg/L | 0.012 | 101 | 85 | 115 | | | |
| Lead | | 0.0524 | mg/L | 0.0010 | 105 | 85 | 115 | | | |
| Magnesium | | 12.2 | mg/L | 0.12 | 98 | 85 | 115 | | | |
| Manganese | | 0.0524 | mg/L | 0.0010 | 105 | 85 | 115 | | | |
| Mercury | | 0.00520 | mg/L | 0.0010 | 104 | 85 | 115 | | | |
| Molybdenum | | 0.0504 | mg/L | 0.0010 | 100 | 85 | 115 | | | |
| Nickel | | 0.0520 | mg/L | 0.0010 | 104 | 85 | 115 | | | |
| Potassium | | 12.0 | mg/L | 0.12 | 96 | 85 | 115 | | | |
| Selenium | | 0.0545 | mg/L | 0.0010 | 109 | 85 | 115 | | | |
| Sodium | | 12.2 | mg/L | 0.12 | 98 | 85 | 115 | | | |
| Uranium | | 0.0517 | mg/L | 0.00030 | 103 | 85 | 115 | | | |
| Vanadium | | 0.0519 | mg/L | 0.0010 | 104 | 85 | 115 | | | |
| Zinc | | 0.0554 | mg/L | 0.0010 | 111 | 85 | 115 | | | |

Qualifiers:

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ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 06/27/11

Project: Marsland Baseline Samples

Work Order: C11050219

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|---|-------|------|------|-----------|------------|-------------------------------|----------|----------------|
| Method: E300.0 | | | | | | | | Analytical Run: IC2-C_110507A | | |
| Sample ID: ICV-110407 | 2 | Initial Calibration Verification Standard | | | | | | | | 05/07/11 16:03 |
| Chloride | | 9.77 | mg/L | 1.0 | 98 | 90 | 110 | | | |
| Sulfate | | 39.8 | mg/L | 1.0 | 99 | 90 | 110 | | | |
| Method: E300.0 | | | | | | | | Batch: R145613 | | |
| Sample ID: ICB-110407 | 2 | Method Blank | | | | | | | | 05/07/11 16:19 |
| Chloride | | 0.07 | mg/L | 0.04 | | | | | | |
| Sulfate | | 0.2 | mg/L | 0.1 | | | | | | |
| Sample ID: LFB-110407 | 2 | Laboratory Fortified Blank | | | | | | | | 05/07/11 16:34 |
| Chloride | | 9.72 | mg/L | 1.0 | 96 | 90 | 110 | | | |
| Sulfate | | 39.2 | mg/L | 1.0 | 97 | 90 | 110 | | | |
| Sample ID: C11050219-002BMS | 2 | Sample Matrix Spike | | | | | | | | 05/07/11 17:21 |
| Chloride | | 44.6 | mg/L | 1.0 | 103 | 80 | 120 | | | |
| Sulfate | | 130 | mg/L | 1.6 | 101 | 80 | 120 | | | |
| Sample ID: C11050219-002BMSD | 2 | Sample Matrix Spike Duplicate | | | | | | | | 05/07/11 17:36 |
| Chloride | | 44.7 | mg/L | 1.0 | 103 | 80 | 120 | 0.1 | 10 | |
| Sulfate | | 131 | mg/L | 1.6 | 103 | 80 | 120 | 0.7 | 10 | |
| Sample ID: LFB-110508 | 2 | Laboratory Fortified Blank | | | | | | | | 05/08/11 10:54 |
| Chloride | | 9.82 | mg/L | 1.0 | 98 | 90 | 110 | | | |
| Sulfate | | 39.4 | mg/L | 1.0 | 98 | 90 | 110 | | | |

Qualifiers:

RL - Analyte reporting limit.

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MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples

Report Date: 06/27/11
Work Order: C11050219

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|------|------|------------------------|------------|----------------|----------|----------------|
| Method: E353.2 | | | | | | | | | | Batch: R145640 |
| Sample ID: MBLK-1 | | | | | | | | | | |
| | | Method Blank | | | | Run: TECHNICON_110509A | | 05/09/11 12:56 | | |
| Nitrogen, Nitrate+Nitrite as N | | ND | mg/L | 0.06 | | | | | | |
| Sample ID: LCS-2 | | | | | | | | | | |
| | | Laboratory Control Sample | | | | Run: TECHNICON_110509A | | 05/09/11 12:59 | | |
| Nitrogen, Nitrate+Nitrite as N | | 2.69 | mg/L | 0.10 | 108 | 90 | 110 | | | |
| Sample ID: C11050204-008DMS | | | | | | | | | | |
| | | Sample Matrix Spike | | | | Run: TECHNICON_110509A | | 05/09/11 13:59 | | |
| Nitrogen, Nitrate+Nitrite as N | | 1.84 | mg/L | 0.10 | 94 | 90 | 110 | | | |
| Sample ID: C11050204-008DMSD | | | | | | | | | | |
| | | Sample Matrix Spike Duplicate | | | | Run: TECHNICON_110509A | | 05/09/11 14:01 | | |
| Nitrogen, Nitrate+Nitrite as N | | 1.91 | mg/L | 0.10 | 97 | 90 | 110 | 3.7 | 10 | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples

Report Date: 06/27/11
Work Order: C11050219

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------------------------------|--------------|-------|-----------------------------|------|-----------|----------------|------|----------|-------------------|
| Method: E903.0 | | | | | | | | | | Batch: 29809 |
| Sample ID: C11050219-002HMS | Sample Matrix Spike | | | Run: BERTHOLD 770-1_110512A | | | 05/18/11 11:14 | | | |
| Radium 226 | 11 | pCi/L | | 108 | 70 | 130 | | | | |
| Sample ID: C11050219-002HMSD | Sample Matrix Spike Duplicate | | | Run: BERTHOLD 770-1_110512A | | | 05/18/11 11:14 | | | |
| Radium 226 | 11 | pCi/L | | 104 | 70 | 130 | 3.1 | 25.1 | | |
| Sample ID: LCS-29809 | Laboratory Control Sample | | | Run: BERTHOLD 770-1_110512A | | | 05/18/11 11:14 | | | |
| Radium 226 | 13 | pCi/L | | 107 | 85 | 115 | | | | |
| Sample ID: MB-29809 | 3 | Method Blank | | Run: BERTHOLD 770-1_110512A | | | 05/18/11 11:14 | | | |
| Radium 226 | | -0.2 | pCi/L | | | | | | | U |
| Radium 226 precision (\pm) | | 0.1 | pCi/L | | | | | | | |
| Radium 226 MDC | | 0.3 | pCi/L | | | | | | | |
| Method: E903.0 | | | | | | | | | | Batch: RA226-5365 |
| Sample ID: C11050570-001FMS | Sample Matrix Spike | | | Run: G542M_110518B | | | 05/24/11 12:53 | | | |
| Radium 226 | 12 | pCi/L | | 88 | 70 | 130 | | | | |
| Sample ID: C11050570-001FMSD | Sample Matrix Spike Duplicate | | | Run: G542M_110518B | | | 05/24/11 12:53 | | | |
| Radium 226 | 12 | pCi/L | | 90 | 70 | 130 | 1.0 | 23.9 | | |
| Sample ID: MB-RA226-5365 | 3 | Method Blank | | Run: G542M_110518B | | | 05/24/11 12:53 | | | |
| Radium 226 | | 0.05 | pCi/L | | | | | | | U |
| Radium 226 precision (\pm) | | 0.09 | pCi/L | | | | | | | |
| Radium 226 MDC | | 0.1 | pCi/L | | | | | | | |
| Sample ID: LCS-RA226-5365 | Laboratory Control Sample | | | Run: G542M_110518B | | | 05/24/11 12:53 | | | |
| Radium 226 | 5.9 | pCi/L | | 92 | 85 | 115 | | | | |

Qualifiers:

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U - Not detected at minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples

Report Date: 06/27/11
Work Order: C11050219

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------|-------------------------------|--------------|-------|----|------|------------------------|------------|-----------------------|----------|------|
| Method: E908.0 | | | | | | | | Batch: RA-TH-ISO-1388 | | |
| Sample ID: LCS-RA-TH-ISO-1388 | Laboratory Control Sample | | | | | Run: EGG-ORTEC_110511A | | 05/13/11 08:50 | | |
| Thorium 230 | | 5.3 | pCi/L | | 93 | 70 | 130 | | | |
| Sample ID: C11050219-001DMS | Sample Matrix Spike | | | | | Run: EGG-ORTEC_110511A | | 05/13/11 08:50 | | |
| Thorium 230 | | 12 | pCi/L | | 101 | 70 | 130 | | | |
| Sample ID: C11050219-001DMSD | Sample Matrix Spike Duplicate | | | | | Run: EGG-ORTEC_110511A | | 05/13/11 08:50 | | |
| Thorium 230 | | 12 | pCi/L | | 107 | 70 | 130 | 4.1 | 36.5 | |
| Sample ID: MB-RA-TH-ISO-1388 | 3 | Method Blank | | | | Run: EGG-ORTEC_110511A | | 05/13/11 13:34 | | |
| Thorium 230 | | 0.02 | pCi/L | | | | | U | | |
| Thorium 230 precision (±) | | 0.07 | pCi/L | | | | | | | |
| Thorium 230 MDC | | 0.1 | pCi/L | | | | | | | |
| Method: E908.0 | | | | | | | | Batch: R146383 | | |
| Sample ID: LCS-29764 | Laboratory Control Sample | | | | | Run: EGG-ORTEC_110518B | | 05/23/11 09:12 | | |
| Thorium 230 | | 11 | pCi/L | | 108 | 70 | 130 | | | |
| Sample ID: MB-29764 | 3 | Method Blank | | | | Run: EGG-ORTEC_110518B | | 05/23/11 09:12 | | |
| Thorium 230 | | 0.07 | pCi/L | | | | | U | | |
| Thorium 230 precision (±) | | 0.2 | pCi/L | | | | | | | |
| Thorium 230 MDC | | 0.3 | pCi/L | | | | | | | |
| Sample ID: C11050219-001HMS | Sample Matrix Spike | | | | | Run: EGG-ORTEC_110518B | | 05/23/11 14:06 | | |
| Thorium 230 | | 7.4 | pCi/L | | 86 | 70 | 130 | | | |
| Sample ID: C11050219-001HMSD | Sample Matrix Spike Duplicate | | | | | Run: EGG-ORTEC_110518B | | 05/23/11 14:06 | | |
| Thorium 230 | | 9.5 | pCi/L | | 111 | 70 | 130 | 25 | 45.2 | |

Qualifiers:

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U - Not detected at minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 06/27/11

Project: Marsland Baseline Samples

Work Order: C11050219

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|------------------------------|-------|-------------------------------|------------|----|------|-----------------|------------|----------------------|----------------|------|
| Method: E909.0 | | | | | | | | Batch: T_PB-210-0104 | | |
| Sample ID: T11040111-001DMSD | | Sample Matrix Spike Duplicate | | | | Run: SUB-T40681 | | | 05/31/11 16:39 | |
| Lead 210 | | 140 | pCi/L | | 101 | 70 | 130 | 7.6 | 16 | |
| Sample ID: T11040111-001DMS | | Sample Matrix Spike | | | | Run: SUB-T40681 | | | 05/31/11 14:28 | |
| Lead 210 | | 130 | pCi/L | | 92 | 70 | 130 | | | |
| Sample ID: LCS-PB-210-0104 | | Laboratory Control Sample | | | | Run: SUB-T40681 | | | 05/31/11 03:31 | |
| Lead 210 | | 53 | pCi/L | | 100 | 70 | 130 | | | |
| Sample ID: MB-PB-210-0104 | 3 | Method Blank | | | | Run: SUB-T40681 | | | 05/31/11 01:19 | |
| Lead 210 | | -0.7 | pCi/L | | | | | | | U |
| Lead 210 precision (±) | | 0.9 | pCi/L | | | | | | | |
| Lead 210 MDC | | 2 | pCi/L | | | | | | | |
| Method: E909.0 | | | | | | | | Batch: T_14124 | | |
| Sample ID: T11050054-001HMSD | | Sample Matrix Spike Duplicate | | | | Run: SUB-T40969 | | | 06/23/11 19:03 | |
| Lead 210 | | 870 | pCi/L | | 81 | 70 | 130 | 8.9 | 17.3 | |
| Sample ID: T11050054-001HMS | | Sample Matrix Spike | | | | Run: SUB-T40969 | | | 06/23/11 17:57 | |
| Lead 210 | | 950 | pCi/L | | 90 | 70 | 130 | | | |
| Sample ID: LCS-14124 | | Laboratory Control Sample | | | | Run: SUB-T40969 | | | 06/23/11 15:45 | |
| Lead 210 | | 301 | pCi/Filter | | 83 | 70 | 130 | | | |
| Sample ID: MB-14124 | 3 | Method Blank | | | | Run: SUB-T40969 | | | 06/23/11 14:39 | |
| Lead 210 | | 5 | pCi/Filter | | | | | | | U |
| Lead 210 precision (±) | | 6 | pCi/Filter | | | | | | | |
| Lead 210 MDC | | 10 | pCi/Filter | | | | | | | |

Qualifiers:

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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples

Report Date: 06/27/11
Work Order: C11050219

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------------------------------|------------|-------|-----|------|-----------|------------|------|----------|-------------------|
| Method: E912.0 | | | | | | | | | | Batch: PO210-0372 |
| Sample ID: C11050219-003EMS | Sample Matrix Spike | | | | | | | | | |
| Polonium 210 | 12 | pCi/L | | 96 | 70 | 130 | | | | 05/19/11 09:05 |
| Sample ID: C11050219-003EMSD | Sample Matrix Spike Duplicate | | | | | | | | | |
| Polonium 210 | 14 | pCi/L | | 107 | 70 | 130 | 11 | 69.5 | | 05/19/11 11:21 |
| Sample ID: MB-PO210-0372 | 3 Method Blank | | | | | | | | | |
| Polonium 210 | -0.02 | pCi/L | | | | | | | | 05/19/11 11:21 |
| Polonium 210 precision (\pm) | 0.2 | pCi/L | | | | | | | | U |
| Polonium 210 MDC | 0.5 | pCi/L | | | | | | | | |
| Sample ID: LCS-PO210-0372 | Laboratory Control Sample | | | | | | | | | |
| Polonium 210 | 5.6 | pCi/L | | 88 | 70 | 130 | | | | 05/19/11 11:21 |
| Method: E912.0 | | | | | | | | | | Batch: 29809 |
| Sample ID: C11050187-001AMS | Sample Matrix Spike | | | | | | | | | |
| Polonium 210 | 70 | pCi/Filter | | 108 | 70 | 130 | | | | 05/19/11 11:22 |
| Sample ID: C11050187-001AMSD | Sample Matrix Spike Duplicate | | | | | | | | | |
| Polonium 210 | 71 | pCi/Filter | | 110 | 70 | 130 | 1.8 | 65.3 | | 05/19/11 11:22 |
| Sample ID: LCS-29809 | Laboratory Control Sample | | | | | | | | | |
| Polonium 210 | 31 | pCi/Filter | | 105 | 70 | 130 | | | | 05/19/11 11:22 |
| Sample ID: MB-29809 | 3 Method Blank | | | | | | | | | |
| Polonium 210 | -0.1 | pCi/Filter | | | | | | | | 05/19/11 11:22 |
| Polonium 210 precision (\pm) | 0.9 | pCi/Filter | | | | | | | | U |
| Polonium 210 MDC | 2 | pCi/Filter | | | | | | | | |

Qualifiers:

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MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

Workorder Receipt Checklist



Crow Butte Resources

C11050219

Login completed by: Edith McPike

Date Received: 5/6/2011

Reviewed by: BL2000\hackerman

Received by: dw

Reviewed Date: 5/9/2011

Carrier Ground
name:

| | | | |
|---|---|-----------------------------|--|
| Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Container/Temp Blank temperature: | 9.2°C Melted Ice | | |
| Water - VOA vials have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | No VOA vials submitted <input checked="" type="checkbox"/> |
| Water - pH acceptable upon receipt? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Applicable <input type="checkbox"/> |

Contact and Corrective Action Comments:

Samples filtered and preserved as necessary for dissolved radionuclides per quote.

PLEASE PRINT- Provide as much information as possible.

| Company Name: Crow Butte Resources, Inc. | | | Project Name Marsland Baseline Samples | | | | | | Sample Origin State: | | | EPA/State Compliance: Yes <input type="checkbox"/> No <input type="checkbox"/> | | | | | | | | | | |
|---|--|---|---|-----------------------------|--------------------------|--|--------------------------|------------------------|-------------------------------|--|--|---|---|--|--|--|--|--|--|--|--|--|
| Report Mail Address: P.O. Box 169 Crawford, NE 69339 | | | Contact Name: Larry Teahon | | | Phone/Fax: 308-665-2341 | | | Email: daxmynus@msn.com | | | Sampler: (Please Print) Brooke Bass Rhonda Pelton | | | | | | | | | | |
| Invoice Address: P.O. Box 169 Crawford, NE 69339 | | | Invoice Contact & Phone: Larry Teahon 308-665-2215 ext 114 | | | | | | Purchase Order: 1125 | | | Quote/Bottle Order: | | | | | | | | | | |
| Special Report/Formats – ELI must be notified prior to sample submittal for the following: <input type="checkbox"/> DW <input type="checkbox"/> A2LA <input type="checkbox"/> GSA <input type="checkbox"/> EDD/EDT(Electronic Data) <input type="checkbox"/> POTW/WWTP Format: _____ <input type="checkbox"/> State: _____ <input type="checkbox"/> LEVEL IV <input type="checkbox"/> Other: _____ <input type="checkbox"/> NELAC | | | ANALYSIS REQUESTED Number of Containers Sample Type: AWSVB O Air Water Soils/Solids Vegetation Bioassay Other HNO3-F, Metals RAW-F, Common Ions RAW-UF, Alkalinity H2SO4-F, NO2, NO3, NH4 Raw-UF, Ra226, Po210 dis, sus Raw-UF, Pb210 dis and sus Rau-UF, Th230, U-nat dis and sus SEE ATTACHED Normal Turnaround (TAT) RUSH | | | | | | | Contact ELI prior to RUSH sample submittal for charges and scheduling – See Instruction Page Comments: NDEQ parameters for baseline sampling. Report on separate sheets. Analyze as per WDEQ Guideline 8 and NRC Reg. Guide 4.14 requirements. Record U as mg/L and µCi/ml and radiometrics as pCi/L. | Shipped by: UPS Client Cooler ID(s): Client Receipt Temp 9.2°C On Ice: Yes No Custody Seal Y N Intact Signature Match Y N | | | | | | | | | | | |
| SAMPLE IDENTIFICATION (Name, Location, Interval, etc.) | | Collection Date | Collection Time | MATRIX | HNO3-F, Metals | RAW-F, Common Ions | RAW-UF, Alkalinity | H2SO4-F, NO2, NO3, NH4 | Raw-UF, Ra226, Po210 dis, sus | Raw-UF, Pb210 dis and sus | Rau-UF, Th230, U-nat dis and sus | | | | | | | | | | | |
| 1 BOW 4-A | | 5/3/11 | | Water | .5 | 1 | 1 | .5 | 1 | 1 | 1 | x | Please report 6/6/11 | | | | | | | | | |
| 2 BOW 7 | | 5/3/11 | | Water | .5 | 1 | 1 | .5 | 1 | 1 | 1 | x | Please report 6/6/11 | | | | | | | | | |
| 3 BOW 8 | | 5/3/11 | | Water | .5 | 1 | 1 | .5 | 1 | 1 | 1 | x | Please report 6/6/11 | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | |
| Custody Record MUST be Signed | | Relinquished by (print): Rhonda Pelton | | Date / time: 5-4-11 9:55 AM | Signature: Rhonda Pelton | | Received by (print): UPS | | Date / time: | | Signature: | | LABORATORY USE ONLY 5-4-11 09:55 [Signature] | | | | | | | | | |
| | | Relinquished by (print): | | Date / time: | Signature: | | Received by (print): | | Date / time: | | Signature: | | | | | | | | | | | |
| | | Sample Disposal: Return to Client: No Lab Disposal: YES | | | | Received by Laboratory: 5-4-11 09:55 [Signature] | | | | | | | | | | | | | | | | |

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested.

This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report.

Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.

CROW BUTTE RESOURCES, INC.
CROW BUTTE PROJECT

NO 2

DATE: 5/3/11

ANALYST: _____

STANDARD CURVE DATA

| | | | | | | | |
|-----|-----------|-------------|-------------|-------------|--|--|--|
| | <u>BL</u> | <u>0.01</u> | <u>0.05</u> | <u>0.1</u> | | | |
| Abs | <u>0</u> | <u>.036</u> | <u>.171</u> | <u>.338</u> | | | |
| Abs | | | | | | | |

| SAMPLE # | VOLUME | Df | Abs | |
|--------------------|-------------|----------|-------------|-----------------|
| 1 <u>BOW 4A</u> | <u>10ml</u> | <u>1</u> | <u>.146</u> | <u>.04</u> |
| 2 <u>BOW 7</u> | <u>10ml</u> | <u>1</u> | <u>.242</u> | <u>.07</u> |
| 3 <u>BOW 8</u> | <u>10ml</u> | <u>1</u> | <u>.005</u> | <u><0.01</u> |
| 4 <u>Dup BOW 7</u> | <u>10ml</u> | <u>1</u> | <u>.244</u> | <u>.07</u> |
| 5 | | | | |
| Dup | | | | |
| 6 | | | | |
| 7 | | | | |
| 8 | | | | |
| 9 | | | | |
| 10 | | | | |
| Dup | | | | |
| 11 | | | | |
| 12 | | | | |
| 13 | | | | |
| 14 | | | | |
| 15 | | | | |
| Dup | | | | |
| 16 | | | | |
| 17 | | | | |
| 18 | | | | |
| 19 | | | | |
| 20 | | | | |
| Dup | | | | |
| 21 | | | | |
| 22 | | | | |
| 23 | | | | |
| 24 | | | | |
| 25 | | | | |
| Dup | | | | |

ANALYTICAL SUMMARY REPORT

November 10, 2011

Crow Butte Resources
86 Crow Butte Rd
Crawford, NE 69339

Workorder No.: C11090996 Quote ID: C1125 - Crow Butte Uranium

Project Name: Marsland Baseline Private Well Samples

Energy Laboratories, Inc. Casper WY received the following 6 samples for Crow Butte Resources on 9/27/2011 for analysis.

| Sample ID | Client Sample ID | Collect Date | Receive Date | Matrix | Test |
|---------------|------------------|----------------|--------------|---------|--|
| C11090996-001 | Well #741 | 09/22/11 00:00 | 09/27/11 | Aqueous | Metals by ICP/ICPMS, Dissolved Alkalinity QA Calculations Conductivity Sample Filtering Fluoride E300.0 Anions Uranium, Suspended Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Digestion, Total Metals Lead 210, Dissolved Lead 210, Suspended Polonium 210, Dissolved Polonium 210, Suspended Radium 226, Dissolved Radium 226, Suspended Thorium, Isotopic Thorium, Suspended Isotopic Solids, Total Dissolved |
| C11090996-002 | Well #759 | 09/22/11 00:00 | 09/27/11 | Aqueous | Same As Above |
| C11090996-003 | Well #703 | 09/22/11 00:00 | 09/27/11 | Aqueous | Same As Above |
| C11090996-004 | Well #723 | 09/22/11 00:00 | 09/27/11 | Aqueous | Same As Above |
| C11090996-005 | Well #745 | 09/22/11 00:00 | 09/27/11 | Aqueous | Same As Above |
| C11090996-006 | Well #727 | 09/22/11 00:00 | 09/27/11 | Aqueous | Same As Above |

The analyses presented in this report were performed at Energy Laboratories, Inc., 2393 Salt Creek Hwy., Casper, WY 82601, unless otherwise noted. Radiochemistry analyses were performed at Energy Laboratories, Inc., 2325 Kerzell Lane, Casper, WY 82601, unless otherwise noted. Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

The results as reported relate only to the item(s) submitted for testing. All samples are reported on an as received basis unless otherwise indicated.

If you have any questions regarding these test results, please call.

Report Approved By:

CLIENT: Crow Butte Resources
Project: Marsland Baseline Private Well Samples
Sample Delivery Group: C11090996

Report Date: 11/10/11

CASE NARRATIVE

BRANCH LABORATORY SUBCONTRACT ANALYSIS

Tests associated with analyst identified as ELI-CS were subcontracted to Energy Laboratories, 415 Graham Rd., College Station, TX, EPA Number TX01520.

RADIOCHEMISTRY ANALYSIS

Per client request, results less than MDC (or precision if no MDC), are reported as <MDC (or <precision). Actual instrument results are available by request.

PREP COMMENTS

The prep hold time for the filtration of Dissolved Radiochemistry was exceeded by up to 3.33 days.

ORIGINAL SAMPLE SUBMITTAL(S)

All original sample submittals have been returned with the data package.

SAMPLE TEMPERATURE COMPLIANCE: 4°C (±2°C)

Temperature of samples received may not be considered properly preserved by accepted standards. Samples that are hand delivered immediately after collection shall be considered acceptable if there is evidence that the chilling process has begun.

GROSS ALPHA ANALYSIS

Method 900.0 for gross alpha and gross beta is intended as a drinking water method for low TDS waters. Data provided by this method for non potable waters should be viewed as inconsistent.

SOIL/SOLID SAMPLES

All samples reported on an as received basis unless otherwise indicated.

SUBCONTRACTING ANALYSIS

Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.

BRANCH LABORATORY LOCATIONS

eli-b - Energy Laboratories, Inc. - Billings, MT
eli-g - Energy Laboratories, Inc. - Gillette, WY
eli-h - Energy Laboratories, Inc. - Helena, MT
eli-r - Energy Laboratories, Inc. - Rapid City, SD
eli-t - Energy Laboratories, Inc. - College Station, TX

CERTIFICATIONS:

USEPA: WY00002; FL-DOH NELAC: E87641; California: 02118CA
Oregon: WY200001; Utah: 3072350515; Virginia: 00057; Washington: C1903

ISO 17025 DISCLAIMER:

The results of this Analytical Report relate only to the items submitted for analysis.

ENERGY LABORATORIES, INC. - CASPER, WY certifies that certain method selections contained in this report meet requirements as set forth by the above accrediting authorities. Some results requested by the client may not be covered under these certifications. All analysis data to be submitted for regulatory enforcement should be certified in the sample state of origin. Please verify ELI's certification coverage by visiting www.energylab.com

ELI appreciates the opportunity to provide you with this analytical service. For additional information and services visit our web page www.energylab.com.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Private Well Samples
Lab ID: C11090996-001
Client Sample ID: Well #741

Report Date: 11/10/11
Collection Date: 09/22/11
Date Received: 09/27/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 179 | mg/L | | 1 | | A2320 B | 09/27/11 16:48 / jba |
| Carbonate as CO ₃ | ND | mg/L | | 1 | | A2320 B | 09/27/11 16:48 / jba |
| Bicarbonate as HCO ₃ | 218 | mg/L | | 1 | | A2320 B | 09/27/11 16:48 / jba |
| Calcium | 50 | mg/L | | 1 | | E200.7 | 10/26/11 17:07 / cp |
| Chloride | 5 | mg/L | | 1 | | E300.0 | 10/05/11 01:57 / ljl |
| Fluoride | 0.6 | mg/L | | 0.1 | | A4500-F C | 09/28/11 10:12 / jba |
| Magnesium | 8 | mg/L | | 1 | | E200.7 | 10/26/11 17:07 / cp |
| Nitrogen, Ammonia as N | ND | mg/L | | 0.05 | | A4500-NH ₃ G | 10/11/11 15:44 / dc |
| Nitrogen, Nitrate+Nitrite as N | 3.2 | mg/L | D | 0.2 | | E353.2 | 10/20/11 11:38 / ljl |
| Potassium | 5 | mg/L | | 1 | | E200.7 | 10/26/11 17:07 / cp |
| Silica | 66.2 | mg/L | | 0.2 | | E200.7 | 10/26/11 17:07 / cp |
| Sodium | 22 | mg/L | | 1 | | E200.7 | 10/26/11 17:07 / cp |
| Sulfate | 13 | mg/L | | 1 | | E300.0 | 10/05/11 01:57 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 403 | umhos/cm | | 1 | | A2510 B | 09/27/11 15:25 / lmc |
| pH | 7.99 | s.u. | | 0.01 | | A4500-H B | 09/27/11 15:25 / lmc |
| Solids, Total Dissolved TDS @ 180 C | 277 | mg/L | | 10 | | A2540 C | 09/27/11 17:18 / lmc |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.7 | 10/26/11 17:07 / cp |
| Arsenic | 0.006 | mg/L | | 0.001 | | E200.8 | 10/11/11 04:17 / sml |
| Barium | 0.2 | mg/L | | 0.1 | | E200.8 | 10/11/11 04:17 / sml |
| Boron | 0.1 | mg/L | | 0.1 | | E200.7 | 10/26/11 17:07 / cp |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 10/11/11 04:17 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.7 | 10/26/11 17:07 / cp |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 10/11/11 04:17 / sml |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 10/26/11 17:07 / cp |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 10/11/11 04:17 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.7 | 10/31/11 10:52 / cp |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 10/11/11 04:17 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 10/11/11 04:17 / sml |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 10/11/11 04:17 / sml |
| Selenium | 0.002 | mg/L | | 0.001 | | E200.8 | 10/11/11 04:17 / sml |
| Uranium | 0.0091 | mg/L | | 0.0003 | | E200.8 | 10/11/11 04:17 / sml |
| Uranium, Activity | 6.2E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 10/11/11 04:17 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.7 | 10/31/11 10:52 / cp |
| Zinc | 0.03 | mg/L | | 0.01 | | E200.7 | 10/26/11 17:07 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 10/01/11 17:24 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 10/01/11 17:24 / sml |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Private Well Samples
Lab ID: C11090996-001
Client Sample ID: Well #741

Report Date: 11/10/11
Collection Date: 09/22/11
Date Received: 09/27/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|-----|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 10/19/11 04:40 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 10/19/11 04:40 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 10/19/11 04:40 / eli-cs |
| Polonium 210 | 0.6 | pCi/L | | 0.5 | | E912.0 | 10/27/11 13:23 / ep |
| Polonium 210 precision (±) | 0.5 | pCi/L | | | | E912.0 | 10/27/11 13:23 / ep |
| Polonium 210 MDC | 0.5 | pCi/L | | | | E912.0 | 10/27/11 13:23 / ep |
| Radium 226 | 2.4 | pCi/L | | 0.2 | | E903.0 | 10/17/11 12:13 / js |
| Radium 226 precision (±) | 0.3 | pCi/L | | | | E903.0 | 10/17/11 12:13 / js |
| Radium 226 MDC | 0.2 | pCi/L | | | | E903.0 | 10/17/11 12:13 / js |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 11/04/11 08:39 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 11/04/11 08:39 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 11/04/11 08:39 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.6 | pCi/L | U | 0.6 | | E909.0 | 10/10/11 09:53 / eli-cs |
| Lead 210 precision (±) | 0.3 | pCi/L | | | | E909.0 | 10/10/11 09:53 / eli-cs |
| Lead 210 MDC | 0.6 | pCi/L | | | | E909.0 | 10/10/11 09:53 / eli-cs |
| Polonium 210 | <0.2 | pCi/L | U | 0.2 | | E912.0 | 10/28/11 13:25 / ep |
| Polonium 210 precision (±) | 0.08 | pCi/L | | | | E912.0 | 10/28/11 13:25 / ep |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 10/28/11 13:25 / ep |
| Radium 226 | <0.1 | pCi/L | U | 0.1 | | E903.0 | 10/11/11 17:37 / js |
| Radium 226 precision (±) | 0.03 | pCi/L | | | | E903.0 | 10/11/11 17:37 / js |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 10/11/11 17:37 / js |
| Thorium 230 | 0.2 | pCi/L | | 0.1 | | E908.0 | 10/22/11 15:09 / dmf |
| Thorium 230 precision (±) | 0.1 | pCi/L | | | | E908.0 | 10/22/11 15:09 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 10/22/11 15:09 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 0.0941 | % | | | | Calculation | 11/02/11 12:37 / kbh |
| Anions | 4.24 | meq/L | | | | Calculation | 11/02/11 12:37 / kbh |
| Cations | 4.25 | meq/L | | | | Calculation | 11/02/11 12:37 / kbh |
| Solids, Total Dissolved Calculated | 308 | mg/L | | | | Calculation | 11/02/11 12:37 / kbh |
| TDS Balance (0.80 - 1.20) | 0.900 | | | | | Calculation | 11/02/11 12:37 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Private Well Samples
Lab ID: C11090996-002
Client Sample ID: Well #759

Report Date: 11/10/11
Collection Date: 09/22/11
Date Received: 09/27/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 144 | mg/L | | 1 | | A2320 B | 09/27/11 17:04 / jba |
| Carbonate as CO ₃ | ND | mg/L | | 1 | | A2320 B | 09/27/11 17:04 / jba |
| Bicarbonate as HCO ₃ | 175 | mg/L | | 1 | | A2320 B | 09/27/11 17:04 / jba |
| Calcium | 31 | mg/L | | 1 | | E200.7 | 10/26/11 17:19 / cp |
| Chloride | 2 | mg/L | | 1 | | E300.0 | 10/05/11 02:50 / ljl |
| Fluoride | 0.6 | mg/L | | 0.1 | | A4500-F C | 09/28/11 10:25 / jba |
| Magnesium | 6 | mg/L | | 1 | | E200.7 | 10/26/11 17:19 / cp |
| Nitrogen, Ammonia as N | ND | mg/L | | 0.05 | | A4500-NH ₃ G | 10/11/11 15:46 / dc |
| Nitrogen, Nitrate+Nitrite as N | 0.8 | mg/L | | 0.1 | | E353.2 | 10/20/11 11:41 / ljl |
| Potassium | 5 | mg/L | | 1 | | E200.7 | 10/26/11 17:19 / cp |
| Silica | 75.3 | mg/L | | 0.2 | | E200.7 | 10/26/11 17:19 / cp |
| Sodium | 23 | mg/L | | 1 | | E200.7 | 10/26/11 17:19 / cp |
| Sulfate | 8 | mg/L | | 1 | | E300.0 | 10/05/11 02:50 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 299 | umhos/cm | | 1 | | A2510 B | 09/27/11 15:27 / lmc |
| pH | 8.05 | s.u. | | 0.01 | | A4500-H B | 09/27/11 15:27 / lmc |
| Solids, Total Dissolved TDS @ 180 C | 217 | mg/L | | 10 | | A2540 C | 09/27/11 17:18 / lmc |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.7 | 10/26/11 17:19 / cp |
| Arsenic | 0.004 | mg/L | | 0.001 | | E200.8 | 10/11/11 04:24 / sml |
| Barium | 0.2 | mg/L | | 0.1 | | E200.8 | 10/11/11 04:24 / sml |
| Boron | 0.1 | mg/L | | 0.1 | | E200.7 | 10/26/11 17:19 / cp |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 10/11/11 04:24 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.7 | 10/26/11 17:19 / cp |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 10/11/11 04:24 / sml |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 10/26/11 17:19 / cp |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 10/11/11 04:24 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.7 | 10/31/11 11:04 / cp |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 10/11/11 04:24 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 10/11/11 04:24 / sml |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 10/11/11 04:24 / sml |
| Selenium | 0.001 | mg/L | | 0.001 | | E200.8 | 10/11/11 04:24 / sml |
| Uranium | 0.0075 | mg/L | | 0.0003 | | E200.8 | 10/11/11 04:24 / sml |
| Uranium, Activity | 5.1E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 10/11/11 04:24 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.7 | 10/31/11 11:04 / cp |
| Zinc | 0.04 | mg/L | | 0.01 | | E200.7 | 10/26/11 17:19 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 10/01/11 17:25 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 10/01/11 17:25 / sml |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Private Well Samples
Lab ID: C11090996-002
Client Sample ID: Well #759

Report Date: 11/10/11
Collection Date: 09/22/11
Date Received: 09/27/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|-----|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 10/19/11 08:00 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 10/19/11 08:00 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 10/19/11 08:00 / eli-cs |
| Polonium 210 | <0.5 | pCi/L | U | 0.5 | | E912.0 | 10/27/11 13:23 / ep |
| Polonium 210 precision (±) | 0.4 | pCi/L | | | | E912.0 | 10/27/11 13:23 / ep |
| Polonium 210 MDC | 0.5 | pCi/L | | | | E912.0 | 10/27/11 13:23 / ep |
| Radium 226 | 0.7 | pCi/L | | 0.2 | | E903.0 | 10/17/11 12:13 / js |
| Radium 226 precision (±) | 0.2 | pCi/L | | | | E903.0 | 10/17/11 12:13 / js |
| Radium 226 MDC | 0.2 | pCi/L | | | | E903.0 | 10/17/11 12:13 / js |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 11/04/11 08:39 / dmf |
| Thorium 230 precision (±) | 0.08 | pCi/L | | | | E908.0 | 11/04/11 08:39 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 11/04/11 08:39 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.6 | pCi/L | U | 0.6 | | E909.0 | 10/10/11 12:08 / eli-cs |
| Lead 210 precision (±) | 0.3 | pCi/L | | | | E909.0 | 10/10/11 12:08 / eli-cs |
| Lead 210 MDC | 0.6 | pCi/L | | | | E909.0 | 10/10/11 12:08 / eli-cs |
| Polonium 210 | <0.2 | pCi/L | U | 0.2 | | E912.0 | 10/28/11 13:25 / ep |
| Polonium 210 precision (±) | 0.1 | pCi/L | | | | E912.0 | 10/28/11 13:25 / ep |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 10/28/11 13:25 / ep |
| Radium 226 | <0.1 | pCi/L | U | 0.1 | | E903.0 | 10/11/11 17:37 / js |
| Radium 226 precision (±) | 0.04 | pCi/L | | | | E903.0 | 10/11/11 17:37 / js |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 10/11/11 17:37 / js |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 10/22/11 15:09 / dmf |
| Thorium 230 precision (±) | 0.1 | pCi/L | | | | E908.0 | 10/22/11 15:09 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 10/22/11 15:09 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 0.123 | % | | | | Calculation | 11/02/11 12:38 / kbh |
| Anions | 3.17 | meq/L | | | | Calculation | 11/02/11 12:38 / kbh |
| Cations | 3.18 | meq/L | | | | Calculation | 11/02/11 12:38 / kbh |
| Solids, Total Dissolved Calculated | 260 | mg/L | | | | Calculation | 11/02/11 12:38 / kbh |
| TDS Balance (0.80 - 1.20) | 0.830 | | | | | Calculation | 11/02/11 12:38 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Private Well Samples
Lab ID: C11090996-003
Client Sample ID: Well #703

Report Date: 11/10/11
Collection Date: 09/22/11
Date Received: 09/27/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 148 | mg/L | | 1 | | A2320 B | 09/27/11 17:11 / jba |
| Carbonate as CO ₃ | ND | mg/L | | 1 | | A2320 B | 09/27/11 17:11 / jba |
| Bicarbonate as HCO ₃ | 181 | mg/L | | 1 | | A2320 B | 09/27/11 17:11 / jba |
| Calcium | 41 | mg/L | | 1 | | E200.7 | 10/26/11 17:27 / cp |
| Chloride | 3 | mg/L | | 1 | | E300.0 | 10/05/11 03:31 / ljl |
| Fluoride | 0.5 | mg/L | | 0.1 | | A4500-F C | 09/28/11 10:28 / jba |
| Magnesium | 8 | mg/L | | 1 | | E200.7 | 10/26/11 17:27 / cp |
| Nitrogen, Ammonia as N | ND | mg/L | | 0.05 | | A4500-NH ₃ G | 10/11/11 15:48 / dc |
| Nitrogen, Nitrate+Nitrite as N | 1.7 | mg/L | | 0.1 | | E353.2 | 10/20/11 11:43 / ljl |
| Potassium | 3 | mg/L | | 1 | | E200.7 | 10/26/11 17:27 / cp |
| Silica | 68.5 | mg/L | | 0.2 | | E200.7 | 10/26/11 17:27 / cp |
| Sodium | 13 | mg/L | | 1 | | E200.7 | 10/26/11 17:27 / cp |
| Sulfate | 7 | mg/L | | 1 | | E300.0 | 10/05/11 03:31 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 315 | umhos/cm | | 1 | | A2510 B | 09/27/11 15:30 / lmc |
| pH | 7.99 | s.u. | | 0.01 | | A4500-H B | 09/27/11 15:30 / lmc |
| Solids, Total Dissolved TDS @ 180 C | 231 | mg/L | | 10 | | A2540 C | 09/27/11 17:18 / lmc |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.7 | 10/26/11 17:27 / cp |
| Arsenic | 0.004 | mg/L | | 0.001 | | E200.8 | 10/11/11 04:31 / sml |
| Barium | 0.1 | mg/L | | 0.1 | | E200.8 | 10/11/11 04:31 / sml |
| Boron | ND | mg/L | | 0.1 | | E200.7 | 10/26/11 17:27 / cp |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 10/11/11 04:31 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.7 | 10/26/11 17:27 / cp |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 10/11/11 04:31 / sml |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 10/26/11 17:27 / cp |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 10/11/11 04:31 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.7 | 10/31/11 11:12 / cp |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 10/11/11 04:31 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 10/11/11 04:31 / sml |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 10/11/11 04:31 / sml |
| Selenium | 0.002 | mg/L | | 0.001 | | E200.8 | 10/11/11 04:31 / sml |
| Uranium | 0.0061 | mg/L | | 0.0003 | | E200.8 | 10/11/11 04:31 / sml |
| Uranium, Activity | 4.1E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 10/11/11 04:31 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.7 | 10/31/11 11:12 / cp |
| Zinc | 0.07 | mg/L | | 0.01 | | E200.7 | 10/26/11 17:27 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 10/01/11 17:26 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 10/01/11 17:26 / sml |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Private Well Samples
Lab ID: C11090996-003
Client Sample ID: Well #703

Report Date: 11/10/11
Collection Date: 09/22/11
Date Received: 09/27/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|-----|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 10/19/11 11:20 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 10/19/11 11:20 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 10/19/11 11:20 / eli-cs |
| Polonium 210 | 0.7 | pCi/L | | 0.6 | | E912.0 | 10/27/11 13:23 / ep |
| Polonium 210 precision (±) | 0.6 | pCi/L | | | | E912.0 | 10/27/11 13:23 / ep |
| Polonium 210 MDC | 0.6 | pCi/L | | | | E912.0 | 10/27/11 13:23 / ep |
| Radium 226 | <0.2 | pCi/L | U | 0.2 | | E903.0 | 10/17/11 12:13 / js |
| Radium 226 precision (±) | 0.1 | pCi/L | | | | E903.0 | 10/17/11 12:13 / js |
| Radium 226 MDC | 0.2 | pCi/L | | | | E903.0 | 10/17/11 12:13 / js |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 11/04/11 08:39 / dmf |
| Thorium 230 precision (±) | 0.09 | pCi/L | | | | E908.0 | 11/04/11 08:39 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 11/04/11 08:39 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.6 | pCi/L | U | 0.6 | | E909.0 | 10/10/11 14:22 / eli-cs |
| Lead 210 precision (±) | 0.3 | pCi/L | | | | E909.0 | 10/10/11 14:22 / eli-cs |
| Lead 210 MDC | 0.6 | pCi/L | | | | E909.0 | 10/10/11 14:22 / eli-cs |
| Polonium 210 | <0.2 | pCi/L | U | 0.2 | | E912.0 | 10/28/11 13:25 / ep |
| Polonium 210 precision (±) | 0.1 | pCi/L | | | | E912.0 | 10/28/11 13:25 / ep |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 10/28/11 13:25 / ep |
| Radium 226 | <0.1 | pCi/L | U | 0.1 | | E903.0 | 10/11/11 17:37 / js |
| Radium 226 precision (±) | 0.05 | pCi/L | | | | E903.0 | 10/11/11 17:37 / js |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 10/11/11 17:37 / js |
| Thorium 230 | 0.3 | pCi/L | | 0.1 | | E908.0 | 10/22/11 15:09 / dmf |
| Thorium 230 precision (±) | 0.2 | pCi/L | | | | E908.0 | 10/22/11 15:09 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 10/22/11 15:09 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 0.341 | % | | | | Calculation | 11/02/11 12:38 / kbh |
| Anions | 3.33 | meq/L | | | | Calculation | 11/02/11 12:38 / kbh |
| Cations | 3.36 | meq/L | | | | Calculation | 11/02/11 12:38 / kbh |
| Solids, Total Dissolved Calculated | 259 | mg/L | | | | Calculation | 11/02/11 12:38 / kbh |
| TDS Balance (0.80 - 1.20) | 0.890 | | | | | Calculation | 11/02/11 12:38 / kbh |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Private Well Samples
Lab ID: C11090996-004
Client Sample ID: Well #723

Report Date: 11/10/11
Collection Date: 09/22/11
Date Received: 09/27/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 154 | mg/L | | 1 | | A2320 B | 09/27/11 17:20 / jba |
| Carbonate as CO ₃ | ND | mg/L | | 1 | | A2320 B | 09/27/11 17:20 / jba |
| Bicarbonate as HCO ₃ | 187 | mg/L | | 1 | | A2320 B | 09/27/11 17:20 / jba |
| Calcium | 34 | mg/L | | 1 | | E200.7 | 10/26/11 17:31 / cp |
| Chloride | 3 | mg/L | | 1 | | E300.0 | 10/05/11 03:44 / ljl |
| Fluoride | 0.7 | mg/L | | 0.1 | | A4500-F C | 09/28/11 10:30 / jba |
| Magnesium | 8 | mg/L | | 1 | | E200.7 | 10/26/11 17:31 / cp |
| Nitrogen, Ammonia as N | ND | mg/L | | 0.05 | | A4500-NH ₃ G | 10/11/11 15:56 / dc |
| Nitrogen, Nitrate+Nitrite as N | 0.8 | mg/L | | 0.1 | | E353.2 | 10/20/11 11:46 / ljl |
| Potassium | 3 | mg/L | | 1 | | E200.7 | 10/26/11 17:31 / cp |
| Silica | 78.3 | mg/L | | 0.2 | | E200.7 | 10/26/11 17:31 / cp |
| Sodium | 17 | mg/L | | 1 | | E200.7 | 10/26/11 17:31 / cp |
| Sulfate | 9 | mg/L | | 1 | | E300.0 | 10/05/11 03:44 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 308 | umhos/cm | | 1 | | A2510 B | 09/27/11 15:33 / lmc |
| pH | 7.99 | s.u. | | 0.01 | | A4500-H B | 09/27/11 15:33 / lmc |
| Solids, Total Dissolved TDS @ 180 C | 235 | mg/L | | 10 | | A2540 C | 09/27/11 17:19 / lmc |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.7 | 10/26/11 17:31 / cp |
| Arsenic | 0.007 | mg/L | | 0.001 | | E200.8 | 10/11/11 04:58 / sml |
| Barium | 0.1 | mg/L | | 0.1 | | E200.8 | 10/11/11 04:58 / sml |
| Boron | ND | mg/L | | 0.1 | | E200.7 | 10/26/11 17:31 / cp |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 10/11/11 04:58 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.7 | 10/26/11 17:31 / cp |
| Copper | 0.04 | mg/L | | 0.01 | | E200.8 | 10/11/11 04:58 / sml |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 10/26/11 17:31 / cp |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 10/11/11 04:58 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.7 | 10/31/11 11:16 / cp |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 10/11/11 04:58 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 10/11/11 04:58 / sml |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 10/11/11 04:58 / sml |
| Selenium | 0.002 | mg/L | | 0.001 | | E200.8 | 10/11/11 04:58 / sml |
| Uranium | 0.0073 | mg/L | | 0.0003 | | E200.8 | 11/04/11 00:21 / sml |
| Uranium, Activity | 5.0E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 11/04/11 00:21 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.7 | 10/31/11 11:16 / cp |
| Zinc | 0.10 | mg/L | | 0.01 | | E200.7 | 10/26/11 17:31 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 10/01/11 17:27 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 10/01/11 17:27 / sml |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Private Well Samples
Lab ID: C11090996-004
Client Sample ID: Well #723

Report Date: 11/10/11
Collection Date: 09/22/11
Date Received: 09/27/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|-----|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 10/19/11 14:40 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 10/19/11 14:40 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 10/19/11 14:40 / eli-cs |
| Polonium 210 | <0.6 | pCi/L | U | 0.6 | | E912.0 | 10/27/11 13:23 / ep |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 10/27/11 13:23 / ep |
| Polonium 210 MDC | 0.6 | pCi/L | | | | E912.0 | 10/27/11 13:23 / ep |
| Radium 226 | 0.2 | pCi/L | | 0.2 | | E903.0 | 10/17/11 12:13 / js |
| Radium 226 precision (±) | 0.1 | pCi/L | | | | E903.0 | 10/17/11 12:13 / js |
| Radium 226 MDC | 0.2 | pCi/L | | | | E903.0 | 10/17/11 12:13 / js |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 11/04/11 08:39 / dmf |
| Thorium 230 precision (±) | 0.08 | pCi/L | | | | E908.0 | 11/04/11 08:39 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 11/04/11 08:39 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.6 | pCi/L | U | 0.6 | | E909.0 | 10/10/11 16:37 / eli-cs |
| Lead 210 precision (±) | 0.3 | pCi/L | | | | E909.0 | 10/10/11 16:37 / eli-cs |
| Lead 210 MDC | 0.6 | pCi/L | | | | E909.0 | 10/10/11 16:37 / eli-cs |
| Polonium 210 | <0.1 | pCi/L | U | 0.1 | | E912.0 | 10/28/11 13:25 / ep |
| Polonium 210 precision (±) | 0.07 | pCi/L | | | | E912.0 | 10/28/11 13:25 / ep |
| Polonium 210 MDC | 0.1 | pCi/L | | | | E912.0 | 10/28/11 13:25 / ep |
| Radium 226 | <0.1 | pCi/L | U | 0.1 | | E903.0 | 10/11/11 17:37 / js |
| Radium 226 precision (±) | 0.04 | pCi/L | | | | E903.0 | 10/11/11 17:37 / js |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 10/11/11 17:37 / js |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 10/22/11 15:09 / dmf |
| Thorium 230 precision (±) | 0.09 | pCi/L | | | | E908.0 | 10/22/11 15:09 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 10/22/11 15:09 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | -3.11 | % | | | | Calculation | 11/02/11 12:38 / kbh |
| Anions | 3.41 | meq/L | | | | Calculation | 11/02/11 12:38 / kbh |
| Cations | 3.21 | meq/L | | | | Calculation | 11/02/11 12:38 / kbh |
| Solids, Total Dissolved Calculated | 269 | mg/L | | | | Calculation | 11/02/11 12:38 / kbh |
| TDS Balance (0.80 - 1.20) | 0.870 | | | | | Calculation | 11/02/11 12:38 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Private Well Samples
Lab ID: C11090996-005
Client Sample ID: Well #745

Report Date: 11/10/11
Collection Date: 09/22/11
Date Received: 09/27/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|--------|-------|-----------|------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 172 | mg/L | | 1 | | A2320 B | 09/27/11 17:28 / jba |
| Carbonate as CO ₃ | ND | mg/L | | 1 | | A2320 B | 09/27/11 17:28 / jba |
| Bicarbonate as HCO ₃ | 209 | mg/L | | 1 | | A2320 B | 09/27/11 17:28 / jba |
| Calcium | 64 | mg/L | | 1 | | E200.7 | 10/26/11 17:35 / cp |
| Chloride | 3 | mg/L | | 1 | | E300.0 | 10/05/11 03:58 / ljl |
| Fluoride | 0.4 | mg/L | | 0.1 | | A4500-F C | 09/28/11 10:37 / jba |
| Magnesium | 11 | mg/L | | 1 | | E200.7 | 10/26/11 17:35 / cp |
| Nitrogen, Ammonia as N | ND | mg/L | | 0.05 | | A4500-NH ₃ G | 10/11/11 16:02 / dc |
| Nitrogen, Nitrate+Nitrite as N | 6.5 | mg/L | DH | 0.5 | | E353.2 | 10/21/11 10:39 / dc |
| Potassium | 2 | mg/L | | 1 | | E200.7 | 10/26/11 17:35 / cp |
| Silica | 70.9 | mg/L | | 0.2 | | E200.7 | 10/26/11 17:35 / cp |
| Sodium | 8 | mg/L | | 1 | | E200.7 | 10/26/11 17:35 / cp |
| Sulfate | 16 | mg/L | | 1 | | E300.0 | 10/05/11 03:58 / ljl |

- H-Original analysis was done within hold time. Data is from recheck analysis.

PHYSICAL PROPERTIES

| | | | | | | | |
|-------------------------------------|------|----------|--|------|--|-----------|----------------------|
| Conductivity @ 25 C | 419 | umhos/cm | | 1 | | A2510 B | 09/27/11 15:36 / lmc |
| pH | 7.94 | s.u. | | 0.01 | | A4500-H B | 09/27/11 15:36 / lmc |
| Solids, Total Dissolved TDS @ 180 C | 315 | mg/L | | 10 | | A2540 C | 09/27/11 17:19 / lmc |

METALS - DISSOLVED

| | | | | | | | |
|-------------------|---------|--------|--|---------|--|--------|----------------------|
| Aluminum | ND | mg/L | | 0.1 | | E200.7 | 10/26/11 17:35 / cp |
| Arsenic | 0.003 | mg/L | | 0.001 | | E200.8 | 10/11/11 05:04 / sml |
| Barium | ND | mg/L | | 0.1 | | E200.8 | 10/11/11 05:04 / sml |
| Boron | ND | mg/L | | 0.1 | | E200.7 | 10/26/11 17:35 / cp |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 10/11/11 05:04 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.7 | 10/26/11 17:35 / cp |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 10/11/11 05:04 / sml |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 10/26/11 17:35 / cp |
| Lead | 0.001 | mg/L | | 0.001 | | E200.8 | 10/11/11 05:04 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.7 | 10/31/11 11:20 / cp |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 10/11/11 05:04 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 10/11/11 05:04 / sml |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 10/11/11 05:04 / sml |
| Selenium | 0.002 | mg/L | | 0.001 | | E200.8 | 10/11/11 05:04 / sml |
| Uranium | 0.0349 | mg/L | | 0.0003 | | E200.8 | 10/11/11 05:04 / sml |
| Uranium, Activity | 2.4E-08 | uCi/mL | | 2.0E-10 | | E200.8 | 10/11/11 05:04 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.7 | 10/31/11 11:20 / cp |
| Zinc | 0.51 | mg/L | | 0.01 | | E200.7 | 10/26/11 17:35 / cp |

METALS - SUSPENDED

| | | | | | | | |
|-------------------|---------|--------|--|---------|--|--------|----------------------|
| Uranium | 0.0003 | mg/L | | 0.0003 | | E200.8 | 10/01/11 17:28 / sml |
| Uranium, Activity | 2.1E-10 | uCi/mL | | 2.0E-10 | | E200.8 | 10/01/11 17:28 / sml |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
H - Analysis performed past recommended holding time.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Private Well Samples
Lab ID: C11090996-005
Client Sample ID: Well #745

Report Date: 11/10/11
Collection Date: 09/22/11
Date Received: 09/27/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|-----|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 10/19/11 18:00 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 10/19/11 18:00 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 10/19/11 18:00 / eli-cs |
| Polonium 210 | 0.5 | pCi/L | | 0.4 | | E912.0 | 10/28/11 09:11 / ep |
| Polonium 210 precision (±) | 0.4 | pCi/L | | | | E912.0 | 10/28/11 09:11 / ep |
| Polonium 210 MDC | 0.4 | pCi/L | | | | E912.0 | 10/28/11 09:11 / ep |
| Radium 226 | 0.4 | pCi/L | | 0.2 | | E903.0 | 10/17/11 12:13 / js |
| Radium 226 precision (±) | 0.1 | pCi/L | | | | E903.0 | 10/17/11 12:13 / js |
| Radium 226 MDC | 0.2 | pCi/L | | | | E903.0 | 10/17/11 12:13 / js |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 11/04/11 08:39 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 11/04/11 08:39 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 11/04/11 08:39 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.6 | pCi/L | U | 0.6 | | E909.0 | 10/10/11 18:52 / eli-cs |
| Lead 210 precision (±) | 0.3 | pCi/L | | | | E909.0 | 10/10/11 18:52 / eli-cs |
| Lead 210 MDC | 0.6 | pCi/L | | | | E909.0 | 10/10/11 18:52 / eli-cs |
| Polonium 210 | 0.3 | pCi/L | | 0.1 | | E912.0 | 10/28/11 13:25 / ep |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 10/28/11 13:25 / ep |
| Polonium 210 MDC | 0.1 | pCi/L | | | | E912.0 | 10/28/11 13:25 / ep |
| Radium 226 | 0.2 | pCi/L | | 0.1 | | E903.0 | 10/11/11 17:37 / js |
| Radium 226 precision (±) | 0.08 | pCi/L | | | | E903.0 | 10/11/11 17:37 / js |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 10/11/11 17:37 / js |
| Thorium 230 | 0.2 | pCi/L | | 0.2 | | E908.0 | 10/22/11 15:09 / dmf |
| Thorium 230 precision (±) | 0.1 | pCi/L | | | | E908.0 | 10/22/11 15:09 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 10/22/11 15:09 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 2.15 | % | | | | Calculation | 11/02/11 12:39 / kbh |
| Anions | 4.35 | meq/L | | | | Calculation | 11/02/11 12:39 / kbh |
| Cations | 4.54 | meq/L | | | | Calculation | 11/02/11 12:39 / kbh |
| Solids, Total Dissolved Calculated | 327 | mg/L | | | | Calculation | 11/02/11 12:39 / kbh |
| TDS Balance (0.80 - 1.20) | 0.960 | | | | | Calculation | 11/02/11 12:39 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Private Well Samples
Lab ID: C11090996-006
Client Sample ID: Well #727

Report Date: 11/10/11
Collection Date: 09/22/11
Date Received: 09/27/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|--------|-------|-----------|------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 150 | mg/L | | 1 | | A2320 B | 09/27/11 17:36 / jba |
| Carbonate as CO ₃ | ND | mg/L | | 1 | | A2320 B | 09/27/11 17:36 / jba |
| Bicarbonate as HCO ₃ | 182 | mg/L | | 1 | | A2320 B | 09/27/11 17:36 / jba |
| Calcium | 31 | mg/L | | 1 | | E200.7 | 10/26/11 17:39 / cp |
| Chloride | 5 | mg/L | | 1 | | E300.0 | 10/05/11 04:11 / ljl |
| Fluoride | 0.5 | mg/L | | 0.1 | | A4500-F C | 09/28/11 10:42 / jba |
| Magnesium | 13 | mg/L | | 1 | | E200.7 | 10/26/11 17:39 / cp |
| Nitrogen, Ammonia as N | ND | mg/L | | 0.05 | | A4500-NH ₃ G | 10/11/11 16:04 / dc |
| Nitrogen, Nitrate+Nitrite as N | 1.4 | mg/L | H | 0.1 | | E353.2 | 10/21/11 10:47 / dc |
| Potassium | 4 | mg/L | | 1 | | E200.7 | 10/26/11 17:39 / cp |
| Silica | 81.8 | mg/L | | 0.2 | | E200.7 | 10/26/11 17:39 / cp |
| Sodium | 17 | mg/L | | 1 | | E200.7 | 10/26/11 17:39 / cp |
| Sulfate | 9 | mg/L | | 1 | | E300.0 | 10/05/11 04:11 / ljl |

- H-Original analysis was done within hold time. Data is from recheck analysis.

PHYSICAL PROPERTIES

| | | | | | | | |
|-------------------------------------|------|----------|--|------|--|-----------|----------------------|
| Conductivity @ 25 C | 325 | umhos/cm | | 1 | | A2510 B | 09/27/11 15:38 / lmc |
| pH | 8.01 | s.u. | | 0.01 | | A4500-H B | 09/27/11 15:38 / lmc |
| Solids, Total Dissolved TDS @ 180 C | 244 | mg/L | | 10 | | A2540 C | 09/27/11 17:19 / lmc |

METALS - DISSOLVED

| | | | | | | | |
|-------------------|---------|--------|--|---------|--|--------|----------------------|
| Aluminum | ND | mg/L | | 0.1 | | E200.7 | 10/26/11 17:39 / cp |
| Arsenic | 0.003 | mg/L | | 0.001 | | E200.8 | 10/11/11 05:11 / sml |
| Barium | 0.1 | mg/L | | 0.1 | | E200.8 | 10/11/11 05:11 / sml |
| Boron | ND | mg/L | | 0.1 | | E200.7 | 10/26/11 17:39 / cp |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 10/11/11 05:11 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.7 | 10/26/11 17:39 / cp |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 10/11/11 05:11 / sml |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 10/26/11 17:39 / cp |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 10/11/11 05:11 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.7 | 10/31/11 11:25 / cp |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 10/11/11 05:11 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 10/11/11 05:11 / sml |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 10/11/11 05:11 / sml |
| Selenium | 0.003 | mg/L | | 0.001 | | E200.8 | 10/11/11 05:11 / sml |
| Uranium | 0.0119 | mg/L | | 0.0003 | | E200.8 | 10/11/11 05:11 / sml |
| Uranium, Activity | 8.0E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 10/11/11 05:11 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.7 | 10/31/11 11:25 / cp |
| Zinc | 0.30 | mg/L | | 0.01 | | E200.7 | 10/26/11 17:39 / cp |

METALS - SUSPENDED

| | | | | | | | |
|-------------------|----|--------|--|---------|--|--------|----------------------|
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 10/01/11 17:29 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 10/01/11 17:29 / sml |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
H - Analysis performed past recommended holding time.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Private Well Samples
Lab ID: C11090996-006
Client Sample ID: Well #727

Report Date: 11/10/11
Collection Date: 09/22/11
Date Received: 09/27/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|---------|-------|-----------|-----|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 10/19/11 21:20 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 10/19/11 21:20 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 10/19/11 21:20 / eli-cs |
| Polonium 210 | <0.5 | pCi/L | U | 0.5 | | E912.0 | 10/28/11 09:11 / ep |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 10/28/11 09:11 / ep |
| Polonium 210 MDC | 0.5 | pCi/L | | | | E912.0 | 10/28/11 09:11 / ep |
| Radium 226 | 0.2 | pCi/L | | 0.2 | | E903.0 | 10/17/11 12:13 / js |
| Radium 226 precision (±) | 0.1 | pCi/L | | | | E903.0 | 10/17/11 12:13 / js |
| Radium 226 MDC | 0.2 | pCi/L | | | | E903.0 | 10/17/11 12:13 / js |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 11/04/11 08:39 / dmf |
| Thorium 230 precision (±) | 0.04 | pCi/L | | | | E908.0 | 11/04/11 08:39 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 11/04/11 08:39 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.6 | pCi/L | U | 0.6 | | E909.0 | 10/10/11 21:06 / eli-cs |
| Lead 210 precision (±) | 0.3 | pCi/L | | | | E909.0 | 10/10/11 21:06 / eli-cs |
| Lead 210 MDC | 0.6 | pCi/L | | | | E909.0 | 10/10/11 21:06 / eli-cs |
| Polonium 210 | <0.2 | pCi/L | U | 0.2 | | E912.0 | 10/28/11 13:25 / ep |
| Polonium 210 precision (±) | 0.07 | pCi/L | | | | E912.0 | 10/28/11 13:25 / ep |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 10/28/11 13:25 / ep |
| Radium 226 | <0.1 | pCi/L | U | 0.1 | | E903.0 | 10/11/11 17:37 / js |
| Radium 226 precision (±) | 0.04 | pCi/L | | | | E903.0 | 10/11/11 17:37 / js |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 10/11/11 17:37 / js |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 10/22/11 15:09 / dmf |
| Thorium 230 precision (±) | 0.1 | pCi/L | | | | E908.0 | 10/22/11 15:09 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 10/22/11 15:09 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 0.00487 | % | | | | Calculation | 11/02/11 12:39 / kbh |
| Anions | 3.44 | meq/L | | | | Calculation | 11/02/11 12:39 / kbh |
| Cations | 3.44 | meq/L | | | | Calculation | 11/02/11 12:39 / kbh |
| Solids, Total Dissolved Calculated | 279 | mg/L | | | | Calculation | 11/02/11 12:39 / kbh |
| TDS Balance (0.80 - 1.20) | 0.870 | | | | | Calculation | 11/02/11 12:39 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 11/10/11

Project: Marsland Baseline Private Well Samples

Work Order: C11090996

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|--|-------|--------------|-------|-----|------|----------------------|------------|-----|----------|----------------|
| Method: A2320 B | | | | | | | | | | Batch: R151186 |
| Sample ID: MBLK | 3 | Method Blank | | | | Run: MANTECH_110927B | | | | 09/27/11 11:17 |
| Alkalinity, Total as CaCO ₃ | | 4 | mg/L | 2 | | | | | | |
| Carbonate as CO ₃ | | ND | mg/L | 1 | | | | | | |
| Bicarbonate as HCO ₃ | | 5 | mg/L | 1 | | | | | | |
| Sample ID: LCS | | | | | | | | | | 09/27/11 11:33 |
| Alkalinity, Total as CaCO ₃ | | 194 | mg/L | 5.0 | 95 | 90 | 110 | | | |
| Sample ID: C11090984-002AMS | | | | | | | | | | 09/27/11 15:36 |
| Alkalinity, Total as CaCO ₃ | | 369 | mg/L | 5.0 | 99 | 80 | 120 | | | |
| Sample ID: C11090996-001BDUP | | | | | | | | | | 09/27/11 16:56 |
| Alkalinity, Total as CaCO ₃ | | 178 | mg/L | 5.0 | | | | 0.2 | 10 | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 11/10/11

Project: Marsland Baseline Private Well Samples

Work Order: C11090996

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|---|----------|-----|------|-----------|------------|-----------------------------------|----------|----------------|
| Method: A2510 B | | | | | | | | Analytical Run: ORION555A_110927B | | |
| Sample ID: ICV2_110927_2 | | Initial Calibration Verification Standard | | | | | | | | 09/27/11 13:52 |
| Conductivity @ 25 C | | 1380 | umhos/cm | 1.0 | 98 | 90 | 110 | | | |
| Method: A2510 B | | | | | | | | Batch: 110927_2_PH-W_555A-1 | | |
| Sample ID: MBLK1_110927_2 | | Method Blank | | | | | | | | 09/27/11 13:48 |
| Conductivity @ 25 C | | 0.5 | umhos/cm | 0.2 | | | | | | |
| Sample ID: C11090985-001ADUP | | Sample Duplicate | | | | | | | | 09/27/11 15:17 |
| Conductivity @ 25 C | | 2610 | umhos/cm | 1.0 | | | | 0.1 | 10 | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 11/10/11

Project: Marsland Baseline Private Well Samples

Work Order: C11090996

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|---------------------------|-------|----|------|--------------------|------------|----------------------------|----------|------|
| Method: A2540 C | | | | | | | | Batch: 110927_1_SLDS-TDS-W | | |
| Sample ID: MBLK1_110927 | | Method Blank | | | | Run: BAL-1_110927C | | 09/27/11 17:07 | | |
| Solids, Total Dissolved TDS @ 180 C | | ND | mg/L | 4 | | | | | | |
| Sample ID: LCS1_110927 | | Laboratory Control Sample | | | | Run: BAL-1_110927C | | 09/27/11 17:07 | | |
| Solids, Total Dissolved TDS @ 180 C | | 991 | mg/L | 10 | 99 | 90 | 110 | | | |
| Sample ID: C11090930-008AMS | | Sample Matrix Spike | | | | Run: BAL-1_110927C | | 09/27/11 17:17 | | |
| Solids, Total Dissolved TDS @ 180 C | | 2260 | mg/L | 10 | 100 | 90 | 110 | | | |
| Sample ID: C11090996-006ADUP | | Sample Duplicate | | | | Run: BAL-1_110927C | | 09/27/11 17:19 | | |
| Solids, Total Dissolved TDS @ 180 C | | 238 | mg/L | 10 | | | | 2.6 | 5 | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Project: Marsland Baseline Private Well Samples

Report Date: 11/10/11

Work Order: C11090996

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------------------------------|--------|-------|-------|------|-----------|------------|-----|----------|-------------------------------------|
| Method: A4500-F C | | | | | | | | | | Batch: R151228 |
| Sample ID: MBLK | Method Blank | | | | | | | | | |
| Fluoride | | 0.01 | mg/L | 0.008 | | | | | | Run: MANTECH_110928A 09/28/11 09:58 |
| Sample ID: LCS | Laboratory Control Sample | | | | | | | | | |
| Fluoride | | 1.96 | mg/L | 0.10 | 98 | 90 | 110 | | | Run: MANTECH_110928A 09/28/11 10:00 |
| Sample ID: C11090996-001BMS | Sample Matrix Spike | | | | | | | | | |
| Fluoride | | 2.52 | mg/L | 0.10 | 98 | 80 | 120 | | | Run: MANTECH_110928A 09/28/11 10:17 |
| Sample ID: C11090996-001BMSD | Sample Matrix Spike Duplicate | | | | | | | | | |
| Fluoride | | 2.57 | mg/L | 0.10 | 100 | 80 | 120 | 2.0 | 10 | Run: MANTECH_110928A 09/28/11 10:22 |

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.



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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 11/10/11

Project: Marsland Baseline Private Well Samples

Work Order: C11090996

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|---|-------|-------|------|-----------|------------|-----------------------------------|----------|----------------|
| Method: A4500-H B | | | | | | | | Analytical Run: ORION555A_110927B | | |
| Sample ID: ICV1_110927_2 | | Initial Calibration Verification Standard | | | | | | | | 09/27/11 13:49 |
| pH | | 6.88 | s.u. | 0.010 | 100 | 98 | 102 | | | |
| Method: A4500-H B | | | | | | | | Batch: 110927_2_PH-W_555A-1 | | |
| Sample ID: C11090985-001ADUP | | Sample Duplicate | | | | | | | | 09/27/11 15:17 |
| pH | | 7.85 | s.u. | 0.010 | | | | 1.2 | 3 | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 11/10/11

Project: Marsland Baseline Private Well Samples

Work Order: C11090996

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|-------|------|-----------|------------------------|-----|----------|----------------|
| Method: A4500-NH3 G | | | | | | | | | | Batch: R151821 |
| Sample ID: MBLK-1 | | Method Blank | | | | | Run: TECHNICON_111011A | | | 10/11/11 11:52 |
| Nitrogen, Ammonia as N | | ND | mg/L | 0.02 | | | | | | |
| Sample ID: LCS-2 | | Laboratory Control Sample | | | | | Run: TECHNICON_111011A | | | 10/11/11 11:54 |
| Nitrogen, Ammonia as N | | 2.10 | mg/L | 0.050 | 105 | 90 | 110 | | | |
| Sample ID: LFB-20 | | Laboratory Fortified Blank | | | | | Run: TECHNICON_111011A | | | 10/11/11 12:30 |
| Nitrogen, Ammonia as N | | 2.05 | mg/L | 0.050 | 105 | 80 | 120 | | | |
| Sample ID: C11090996-004DMS | | Sample Matrix Spike | | | | | Run: TECHNICON_111011A | | | 10/11/11 15:58 |
| Nitrogen, Ammonia as N | | 1.95 | mg/L | 0.050 | 99 | 90 | 110 | | | |
| Sample ID: C11090996-004DMSD | | Sample Matrix Spike Duplicate | | | | | Run: TECHNICON_111011A | | | 10/11/11 16:00 |
| Nitrogen, Ammonia as N | | 1.98 | mg/L | 0.050 | 101 | 90 | 110 | 1.5 | 10 | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 11/10/11

Project: Marsland Baseline Private Well Samples

Work Order: C11090996

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-----------------------|-------|---|-------|-------|------|---------------------|------------|--------------------------------|----------------|------|
| Method: E200.7 | | | | | | | | Analytical Run: ICP2-C_111026A | | |
| Sample ID: ICV | 10 | Initial Calibration Verification Standard | | | | | | 10/26/11 14:37 | | |
| Aluminum | | 2.42 | mg/L | 0.10 | 97 | 95 | 105 | | | |
| Boron | | 2.40 | mg/L | 0.10 | 96 | 95 | 105 | | | |
| Calcium | | 25.5 | mg/L | 0.50 | 102 | 95 | 105 | | | |
| Chromium | | 2.49 | mg/L | 0.050 | 100 | 95 | 105 | | | |
| Iron | | 2.54 | mg/L | 0.030 | 101 | 95 | 105 | | | |
| Magnesium | | 25.1 | mg/L | 0.50 | 100 | 95 | 105 | | | |
| Potassium | | 24.0 | mg/L | 0.50 | 96 | 95 | 105 | | | |
| Silicon | | 5.09 | mg/L | 0.10 | 102 | 95 | 105 | | | |
| Sodium | | 24.4 | mg/L | 0.50 | 98 | 95 | 105 | | | |
| Zinc | | 2.49 | mg/L | 0.010 | 99 | 95 | 105 | | | |
| Sample ID: ICSA | 10 | Interference Check Sample A | | | | | | 10/26/11 15:03 | | |
| Aluminum | | 506 | mg/L | 0.10 | 101 | 80 | 120 | | | |
| Boron | | 0.00500 | mg/L | 0.10 | | 0 | 0 | | | |
| Calcium | | 488 | mg/L | 0.50 | 98 | 80 | 120 | | | |
| Chromium | | 0.00570 | mg/L | 0.050 | | 0 | 0 | | | |
| Iron | | 194 | mg/L | 0.030 | 97 | 80 | 120 | | | |
| Magnesium | | 503 | mg/L | 0.50 | 101 | 80 | 120 | | | |
| Potassium | | 0.00670 | mg/L | 0.50 | | 0 | 0 | | | |
| Silicon | | -0.0863 | mg/L | 0.10 | | 0 | 0 | | | |
| Sodium | | 0.120 | mg/L | 0.50 | | 0 | 0 | | | |
| Zinc | | 0.0138 | mg/L | 0.010 | | 0 | 0 | | | |
| Sample ID: ICSAB | 10 | Interference Check Sample AB | | | | | | 10/26/11 15:07 | | |
| Aluminum | | 520 | mg/L | 0.10 | 104 | 80 | 120 | | | |
| Boron | | 0.358 | mg/L | 0.10 | | 0 | 0 | | | |
| Calcium | | 497 | mg/L | 0.50 | 99 | 80 | 120 | | | |
| Chromium | | 0.508 | mg/L | 0.050 | 102 | 80 | 120 | | | |
| Iron | | 196 | mg/L | 0.030 | 98 | 80 | 120 | | | |
| Magnesium | | 515 | mg/L | 0.50 | 103 | 80 | 120 | | | |
| Potassium | | 0.0147 | mg/L | 0.50 | | 0 | 0 | | | |
| Silicon | | -0.0835 | mg/L | 0.10 | | 0 | 0 | | | |
| Sodium | | 0.931 | mg/L | 0.50 | | 0 | 0 | | | |
| Zinc | | 1.07 | mg/L | 0.010 | 107 | 80 | 120 | | | |
| Method: E200.7 | | | | | | | | Batch: R152562 | | |
| Sample ID: MB-111026A | 10 | Method Blank | | | | Run: ICP2-C_111026A | | | 10/26/11 15:40 | |
| Aluminum | | 0.01 | mg/L | 0.01 | | | | | | |
| Boron | | ND | mg/L | 0.01 | | | | | | |
| Calcium | | ND | mg/L | 0.1 | | | | | | |
| Chromium | | ND | mg/L | 0.002 | | | | | | |
| Iron | | 0.002 | mg/L | 0.001 | | | | | | |
| Magnesium | | ND | mg/L | 0.05 | | | | | | |
| Potassium | | ND | mg/L | 0.05 | | | | | | |
| Silicon | | ND | mg/L | 0.007 | | | | | | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 11/10/11

Project: Marsland Baseline Private Well Samples

Work Order: C11090996

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|-------|------|-----------|---------------------|-----|----------|----------------|
| Method: E200.7 | | | | | | | | | | Batch: R152562 |
| Sample ID: MB-111026A | 10 | Method Blank | | | | | Run: ICP2-C_111026A | | | 10/26/11 15:40 |
| Sodium | | ND | mg/L | 0.2 | | | | | | |
| Zinc | | ND | mg/L | 0.001 | | | | | | |
| Sample ID: LFB-111026A | 10 | Laboratory Fortified Blank | | | | | Run: ICP2-C_111026A | | | 10/26/11 15:44 |
| Aluminum | | 0.912 | mg/L | 0.10 | 90 | 85 | 115 | | | |
| Boron | | 0.899 | mg/L | 0.10 | 90 | 85 | 115 | | | |
| Calcium | | 46.8 | mg/L | 0.50 | 94 | 85 | 115 | | | |
| Chromium | | 0.928 | mg/L | 0.050 | 93 | 85 | 115 | | | |
| Iron | | 0.949 | mg/L | 0.030 | 95 | 85 | 115 | | | |
| Magnesium | | 46.6 | mg/L | 0.50 | 93 | 85 | 115 | | | |
| Potassium | | 44.7 | mg/L | 0.50 | 89 | 85 | 115 | | | |
| Silicon | | 0.431 | mg/L | 0.10 | 96 | 85 | 115 | | | |
| Sodium | | 42.6 | mg/L | 0.50 | 85 | 85 | 115 | | | |
| Zinc | | 0.946 | mg/L | 0.010 | 95 | 85 | 115 | | | |
| Sample ID: C11090996-001CMS2 | 10 | Sample Matrix Spike | | | | | Run: ICP2-C_111026A | | | 10/26/11 17:11 |
| Aluminum | | 1.83 | mg/L | 0.10 | 90 | 70 | 130 | | | |
| Boron | | 1.93 | mg/L | 0.10 | 89 | 70 | 130 | | | |
| Calcium | | 148 | mg/L | 1.0 | 96 | 70 | 130 | | | |
| Chromium | | 1.91 | mg/L | 0.050 | 93 | 70 | 130 | | | |
| Iron | | 1.99 | mg/L | 0.030 | 98 | 70 | 130 | | | |
| Magnesium | | 107 | mg/L | 1.0 | 97 | 70 | 130 | | | |
| Potassium | | 94.0 | mg/L | 1.0 | 87 | 70 | 130 | | | |
| Silicon | | 30.8 | mg/L | 0.10 | | 70 | 130 | | | A |
| Sodium | | 112 | mg/L | 1.0 | 89 | 70 | 130 | | | |
| Zinc | | 1.99 | mg/L | 0.010 | 96 | 70 | 130 | | | |
| Sample ID: C11090996-001CMSD | 10 | Sample Matrix Spike Duplicate | | | | | Run: ICP2-C_111026A | | | 10/26/11 17:15 |
| Aluminum | | 1.84 | mg/L | 0.10 | 90 | 70 | 130 | 0.5 | 20 | |
| Boron | | 1.96 | mg/L | 0.10 | 90 | 70 | 130 | 1.2 | 20 | |
| Calcium | | 150 | mg/L | 1.0 | 98 | 70 | 130 | 1.3 | 20 | |
| Chromium | | 1.92 | mg/L | 0.050 | 94 | 70 | 130 | 0.3 | 20 | |
| Iron | | 2.00 | mg/L | 0.030 | 98 | 70 | 130 | 0.3 | 20 | |
| Magnesium | | 108 | mg/L | 1.0 | 98 | 70 | 130 | 0.6 | 20 | |
| Potassium | | 97.3 | mg/L | 1.0 | 90 | 70 | 130 | 3.5 | 20 | |
| Silicon | | 30.8 | mg/L | 0.10 | | 70 | 130 | 0.2 | 20 | A |
| Sodium | | 113 | mg/L | 1.0 | 90 | 70 | 130 | 1.2 | 20 | |
| Zinc | | 1.99 | mg/L | 0.010 | 96 | 70 | 130 | 0.1 | 20 | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 11/10/11

Project: Marsland Baseline Private Well Samples

Work Order: C11090996

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|---|-------|--------|------|-----------|------------|-----|----------|---------------------------------------|
| Method: E200.7 | | | | | | | | | | Analytical Run: ICP2-C_111029A |
| Sample ID: ICV | 2 | Initial Calibration Verification Standard | | | | | | | | 10/31/11 08:57 |
| Manganese | | 2.48 | mg/L | 0.010 | 99 | 95 | 105 | | | |
| Vanadium | | 2.41 | mg/L | 0.10 | 96 | 95 | 105 | | | |
| Sample ID: ICSA | 2 | Interference Check Sample A | | | | | | | | 10/31/11 09:17 |
| Manganese | | -0.00400 | mg/L | 0.010 | | 0 | 0 | | | |
| Vanadium | | -0.00480 | mg/L | 0.10 | | 0 | 0 | | | |
| Sample ID: ICSAB | 2 | Interference Check Sample AB | | | | | | | | 10/31/11 09:21 |
| Manganese | | 0.495 | mg/L | 0.010 | 99 | 80 | 120 | | | |
| Vanadium | | 0.507 | mg/L | 0.10 | 101 | 80 | 120 | | | |
| Method: E200.7 | | | | | | | | | | Batch: R152670 |
| Sample ID: MB-111031A | 2 | Method Blank | | | | | | | | Run: ICP2-C_111029A 10/31/11 09:48 |
| Manganese | | ND | mg/L | 0.0003 | | | | | | |
| Vanadium | | -0.001 | mg/L | | | | | | | |
| Sample ID: LFB-111031A | 2 | Laboratory Fortified Blank | | | | | | | | Run: ICP2-C_111029A 10/31/11 09:52 |
| Manganese | | 0.990 | mg/L | 0.010 | 99 | 85 | 115 | | | |
| Vanadium | | 0.962 | mg/L | 0.10 | 96 | 85 | 115 | | | |
| Sample ID: C11090996-001CMS2 | 2 | Sample Matrix Spike | | | | | | | | Run: ICP2-C_111029A 10/31/11 10:56 |
| Manganese | | 1.89 | mg/L | 0.010 | 93 | 70 | 130 | | | |
| Vanadium | | 1.96 | mg/L | 0.10 | 96 | 70 | 130 | | | |
| Sample ID: C11090996-001CMSD | 2 | Sample Matrix Spike Duplicate | | | | | | | | Run: ICP2-C_111029A 10/31/11 11:00 |
| Manganese | | 1.93 | mg/L | 0.010 | 94 | 70 | 130 | 1.7 | 20 | |
| Vanadium | | 1.96 | mg/L | 0.10 | 96 | 70 | 130 | 0.2 | 20 | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Project: Marsland Baseline Private Well Samples

Report Date: 11/10/11

Work Order: C11090996

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|---|-------|---------|------|-----------|------------|-----|----------|--------------------------------------|
| Method: E200.8 | | Analytical Run: ICPMS2-C_111010A | | | | | | | | |
| Sample ID: ICV | 10 | Initial Calibration Verification Standard | | | | | | | | 10/11/11 00:53 |
| Arsenic | | 0.0488 | mg/L | 0.0010 | 98 | 90 | 110 | | | |
| Barium | | 0.0497 | mg/L | 0.0010 | 99 | 90 | 110 | | | |
| Cadmium | | 0.0493 | mg/L | 0.0010 | 99 | 90 | 110 | | | |
| Copper | | 0.0487 | mg/L | 0.0010 | 97 | 90 | 110 | | | |
| Lead | | 0.0496 | mg/L | 0.0010 | 99 | 90 | 110 | | | |
| Mercury | | 0.00526 | mg/L | 0.0010 | 105 | 90 | 110 | | | |
| Molybdenum | | 0.0506 | mg/L | 0.0010 | 101 | 90 | 110 | | | |
| Nickel | | 0.0491 | mg/L | 0.0010 | 98 | 90 | 110 | | | |
| Selenium | | 0.0492 | mg/L | 0.0010 | 98 | 90 | 110 | | | |
| Uranium | | 0.0511 | mg/L | 0.00030 | 102 | 90 | 110 | | | |
| Method: E200.8 | | Batch: R151789 | | | | | | | | |
| Sample ID: LRB | 10 | Method Blank | | | | | | | | Run: ICPMS2-C_111010A 10/10/11 12:35 |
| Arsenic | | 0.0002 | mg/L | 0.0001 | | | | | | |
| Barium | | ND | mg/L | 0.0001 | | | | | | |
| Cadmium | | ND | mg/L | 0.0001 | | | | | | |
| Copper | | ND | mg/L | 7E-05 | | | | | | |
| Lead | | ND | mg/L | 9E-05 | | | | | | |
| Mercury | | ND | mg/L | 2E-05 | | | | | | |
| Molybdenum | | ND | mg/L | 2E-05 | | | | | | |
| Nickel | | ND | mg/L | 4E-05 | | | | | | |
| Selenium | | ND | mg/L | 0.0003 | | | | | | |
| Uranium | | ND | mg/L | 0.0001 | | | | | | |
| Sample ID: LFB | 10 | Laboratory Fortified Blank | | | | | | | | Run: ICPMS2-C_111010A 10/10/11 12:42 |
| Arsenic | | 0.0501 | mg/L | 0.0010 | 100 | 85 | 115 | | | |
| Barium | | 0.0505 | mg/L | 0.0010 | 101 | 85 | 115 | | | |
| Cadmium | | 0.0496 | mg/L | 0.0010 | 99 | 85 | 115 | | | |
| Copper | | 0.0492 | mg/L | 0.0010 | 98 | 85 | 115 | | | |
| Lead | | 0.0491 | mg/L | 0.0010 | 98 | 85 | 115 | | | |
| Mercury | | 0.00497 | mg/L | 0.0010 | 99 | 85 | 115 | | | |
| Molybdenum | | 0.0517 | mg/L | 0.0010 | 103 | 85 | 115 | | | |
| Nickel | | 0.0490 | mg/L | 0.0010 | 98 | 85 | 115 | | | |
| Selenium | | 0.0485 | mg/L | 0.0010 | 97 | 85 | 115 | | | |
| Uranium | | 0.0497 | mg/L | 0.00030 | 99 | 85 | 115 | | | |
| Sample ID: C11090996-003CMS4 | 10 | Sample Matrix Spike | | | | | | | | Run: ICPMS2-C_111010A 10/11/11 04:37 |
| Arsenic | | 0.0619 | mg/L | 0.0010 | 116 | 70 | 130 | | | |
| Barium | | 0.185 | mg/L | 0.10 | 117 | 70 | 130 | | | |
| Cadmium | | 0.0573 | mg/L | 0.010 | 114 | 70 | 130 | | | |
| Copper | | 0.0568 | mg/L | 0.010 | 108 | 70 | 130 | | | |
| Lead | | 0.0574 | mg/L | 0.050 | 114 | 70 | 130 | | | |
| Mercury | | 0.00554 | mg/L | 0.0010 | 111 | 70 | 130 | | | |
| Molybdenum | | 0.0576 | mg/L | 0.0010 | 113 | 70 | 130 | | | |
| Nickel | | 0.0581 | mg/L | 0.050 | 115 | 70 | 130 | | | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 11/10/11

Project: Marsland Baseline Private Well Samples

Work Order: C11090996

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|---|-------|---------|------|-----------------------|------------|-----|----------|----------------------------------|
| Method: E200.8 | | | | | | | | | | Batch: R151789 |
| Sample ID: C11090996-003CMS4 | 10 | Sample Matrix Spike | | | | Run: ICPMS2-C_111010A | | | | 10/11/11 04:37 |
| Selenium | | 0.0566 | mg/L | 0.0010 | 110 | 70 | 130 | | | |
| Uranium | | 0.0642 | mg/L | 0.00030 | 116 | 70 | 130 | | | |
| Sample ID: C11090996-003CMSD | 10 | Sample Matrix Spike Duplicate | | | | Run: ICPMS2-C_111010A | | | | 10/11/11 04:44 |
| Arsenic | | 0.0599 | mg/L | 0.0010 | 111 | 70 | 130 | 3.4 | 20 | |
| Barium | | 0.183 | mg/L | 0.10 | 113 | 70 | 130 | 1.0 | 20 | |
| Cadmium | | 0.0553 | mg/L | 0.010 | 110 | 70 | 130 | 3.4 | 20 | |
| Copper | | 0.0547 | mg/L | 0.010 | 104 | 70 | 130 | 3.9 | 20 | |
| Lead | | 0.0550 | mg/L | 0.050 | 109 | 70 | 130 | 4.4 | 20 | |
| Mercury | | 0.00534 | mg/L | 0.0010 | 107 | 70 | 130 | 3.6 | 20 | |
| Molybdenum | | 0.0564 | mg/L | 0.0010 | 111 | 70 | 130 | 2.0 | 20 | |
| Nickel | | 0.0563 | mg/L | 0.050 | 111 | 70 | 130 | 3.0 | 20 | |
| Selenium | | 0.0540 | mg/L | 0.0010 | 105 | 70 | 130 | 4.8 | 20 | |
| Uranium | | 0.0615 | mg/L | 0.00030 | 111 | 70 | 130 | 4.3 | 20 | |
| Method: E200.8 | | | | | | | | | | Analytical Run: ICPMS4-C_111001A |
| Sample ID: ICV | | Initial Calibration Verification Standard | | | | | | | | 10/01/11 13:26 |
| Uranium | | 0.0496 | mg/L | 0.00030 | 99 | 90 | 110 | | | |
| Method: E200.8 | | | | | | | | | | Batch: 31331 |
| Sample ID: MB-31331 | | Method Blank | | | | Run: ICPMS4-C_111001A | | | | 10/01/11 16:38 |
| Uranium | | ND | mg/L | 7E-05 | | | | | | |
| Sample ID: LCS2-31331 | | Laboratory Control Sample | | | | Run: ICPMS4-C_111001A | | | | 10/01/11 16:44 |
| Uranium | | 0.108 | mg/L | 0.00030 | 108 | 85 | 115 | | | |
| Sample ID: C11091005-002DMS | | Sample Matrix Spike | | | | Run: ICPMS4-C_111001A | | | | 10/01/11 17:38 |
| Uranium | | 0.00574 | mg/L | 0.00030 | 121 | 70 | 130 | | | |
| Sample ID: C11091005-002DMSD | | Sample Matrix Spike Duplicate | | | | Run: ICPMS4-C_111001A | | | | 10/01/11 17:39 |
| Uranium | | 0.00579 | mg/L | 0.00030 | 122 | 70 | 130 | 0.8 | 20 | |

Qualifiers:

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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 11/10/11

Project: Marsland Baseline Private Well Samples

Work Order: C11090996

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|---|-------|---------|------|-----------|------------|-----|----------|----------------|
| Method: E200.8 | | Analytical Run: ICPMS4-C_111103A | | | | | | | | |
| Sample ID: ICV | | Initial Calibration Verification Standard | | | | | | | | 11/03/11 11:50 |
| Uranium | | 0.0469 | mg/L | 0.00030 | 94 | 90 | 110 | | | |
| Method: E200.8 | | Batch: R152827A | | | | | | | | |
| Sample ID: LRB | | Method Blank | | | | | | | | 11/03/11 12:54 |
| Uranium | | ND | mg/L | 9E-06 | | | | | | |
| Sample ID: LFB | | Laboratory Fortified Blank | | | | | | | | 11/03/11 13:00 |
| Uranium | | 0.0523 | mg/L | 0.00030 | 105 | 85 | 115 | | | |
| Sample ID: C11091139-001BMS4 | | Sample Matrix Spike | | | | | | | | 11/04/11 00:35 |
| Uranium | | 0.109 | mg/L | 0.0010 | 112 | 70 | 130 | | | |
| Sample ID: C11091139-001BMSD | | Sample Matrix Spike Duplicate | | | | | | | | 11/04/11 01:00 |
| Uranium | | 0.108 | mg/L | 0.00030 | 111 | 70 | 130 | 0.6 | 20 | |

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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 11/10/11

Project: Marsland Baseline Private Well Samples

Work Order: C11090996

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|---|-------|------|------|-----------|------------|-------------------------------|----------|----------------|
| Method: E300.0 | | | | | | | | Analytical Run: IC2-C_111004A | | |
| Sample ID: ICV100411-20 | 2 | Initial Calibration Verification Standard | | | | | | | | 10/04/11 15:26 |
| Chloride | | 10.1 | mg/L | 1.0 | 101 | 90 | 110 | | | |
| Sulfate | | 41.2 | mg/L | 1.0 | 103 | 90 | 110 | | | |
| Method: E300.0 | | | | | | | | Batch: R151566 | | |
| Sample ID: ICB100411-11 | 2 | Method Blank | | | | | | | | 10/04/11 13:25 |
| Chloride | | ND | mg/L | 0.10 | | | | | | |
| Sulfate | | 0.3 | mg/L | 0.08 | | | | | | |
| Sample ID: LFB100411-12 | 2 | Laboratory Fortified Blank | | | | | | | | 10/04/11 13:39 |
| Chloride | | 10.1 | mg/L | 1.0 | 101 | 90 | 110 | | | |
| Sulfate | | 40.6 | mg/L | 1.0 | 101 | 90 | 110 | | | |
| Sample ID: LFB | 2 | Laboratory Fortified Blank | | | | | | | | 10/05/11 02:37 |
| Chloride | | 10.0 | mg/L | 1.0 | 100 | 90 | 110 | | | |
| Sulfate | | 40.3 | mg/L | 1.0 | 100 | 90 | 110 | | | |
| Sample ID: C11090996-002BMS | 2 | Sample Matrix Spike | | | | | | | | 10/05/11 03:04 |
| Chloride | | 11.1 | mg/L | 1.0 | 98 | 90 | 110 | | | |
| Sulfate | | 45.9 | mg/L | 1.0 | 100 | 90 | 110 | | | |
| Sample ID: C11090996-002BMSD | 2 | Sample Matrix Spike Duplicate | | | | | | | | 10/05/11 03:17 |
| Chloride | | 11.4 | mg/L | 1.0 | 100 | 90 | 110 | 2.2 | 10 | |
| Sulfate | | 46.9 | mg/L | 1.0 | 102 | 90 | 110 | 2.1 | 10 | |

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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 11/10/11

Project: Marsland Baseline Private Well Samples

Work Order: C11090996

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|------|------|-----------|------------------------|-----|----------|----------------|
| Method: E353.2 | | | | | | | | | | Batch: R152220 |
| Sample ID: MBLK-1 | | Method Blank | | | | | Run: TECHNICON_111020A | | | 10/20/11 10:36 |
| Nitrogen, Nitrate+Nitrite as N | | ND | mg/L | 0.06 | | | | | | |
| Sample ID: LCS-2 | | Laboratory Control Sample | | | | | Run: TECHNICON_111020A | | | 10/20/11 10:38 |
| Nitrogen, Nitrate+Nitrite as N | | 2.35 | mg/L | 0.10 | 94 | 90 | 110 | | | |
| Sample ID: LFB-3 | | Laboratory Fortified Blank | | | | | Run: TECHNICON_111020A | | | 10/20/11 10:41 |
| Nitrogen, Nitrate+Nitrite as N | | 1.95 | mg/L | 0.10 | 99 | 90 | 110 | | | |
| Sample ID: C11090996-005DMS | | Sample Matrix Spike | | | | | Run: TECHNICON_111020A | | | 10/20/11 11:58 |
| Nitrogen, Nitrate+Nitrite as N | | 16.7 | mg/L | 0.50 | 104 | 90 | 110 | | | |
| Sample ID: C11090996-005DMSD | | Sample Matrix Spike Duplicate | | | | | Run: TECHNICON_111020A | | | 10/20/11 12:01 |
| Nitrogen, Nitrate+Nitrite as N | | 16.9 | mg/L | 0.50 | 106 | 90 | 110 | 1.2 | 10 | |
| Method: E353.2 | | | | | | | | | | Batch: R152301 |
| Sample ID: MBLK-1 | | Method Blank | | | | | Run: TECHNICON_111021A | | | 10/21/11 10:32 |
| Nitrogen, Nitrate+Nitrite as N | | ND | mg/L | 0.06 | | | | | | |
| Sample ID: LCS-2 | | Laboratory Control Sample | | | | | Run: TECHNICON_111021A | | | 10/21/11 10:34 |
| Nitrogen, Nitrate+Nitrite as N | | 2.34 | mg/L | 0.10 | 94 | 90 | 110 | | | |
| Sample ID: LFB-3 | | Laboratory Fortified Blank | | | | | Run: TECHNICON_111021A | | | 10/21/11 10:37 |
| Nitrogen, Nitrate+Nitrite as N | | 1.85 | mg/L | 0.10 | 94 | 90 | 110 | | | |
| Sample ID: C11090996-005DMS | | Sample Matrix Spike | | | | | Run: TECHNICON_111021A | | | 10/21/11 10:42 |
| Nitrogen, Nitrate+Nitrite as N | | 16.3 | mg/L | 0.50 | 101 | 90 | 110 | | | |
| Sample ID: C11090996-005DMSD | | Sample Matrix Spike Duplicate | | | | | Run: TECHNICON_111021A | | | 10/21/11 10:44 |
| Nitrogen, Nitrate+Nitrite as N | | 16.3 | mg/L | 0.50 | 101 | 90 | 110 | 0.0 | 10 | |

Qualifiers:

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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 11/10/11

Project: Marsland Baseline Private Well Samples

Work Order: C11090996

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------------------------------|--------------|-------|-----|------|-----------------------------|------------|-----|----------|-------------------|
| Method: E903.0 | | | | | | | | | | Batch: 31331 |
| Sample ID: C11090839-007HMS | Sample Matrix Spike | | | | | Run: BERTHOLD 770-1_111005A | | | | 10/11/11 15:59 |
| Radium 226 | 10 | | pCi/L | 102 | | 70 | 130 | | | |
| Sample ID: C11090839-007HMSD | Sample Matrix Spike Duplicate | | | | | Run: BERTHOLD 770-1_111005A | | | | 10/11/11 15:59 |
| Radium 226 | 9.6 | | pCi/L | 98 | | 70 | 130 | 4.2 | | 26.8 |
| Sample ID: LCS-31331 | Laboratory Control Sample | | | | | Run: BERTHOLD 770-1_111005A | | | | 10/11/11 22:26 |
| Radium 226 | 11 | | pCi/L | 90 | | 85 | 115 | | | |
| Sample ID: MB-31331 | 3 | Method Blank | | | | Run: BERTHOLD 770-1_111005A | | | | 10/11/11 22:26 |
| Radium 226 | | -0.01 | pCi/L | | | | | | | U |
| Radium 226 precision (±) | | 0.2 | pCi/L | | | | | | | |
| Radium 226 MDC | | 0.4 | pCi/L | | | | | | | |
| Method: E903.0 | | | | | | | | | | Batch: RA226-5656 |
| Sample ID: C11090996-002EMS | Sample Matrix Spike | | | | | Run: G542M_111007A | | | | 10/17/11 12:13 |
| Radium 226 | 13 | | pCi/L | 102 | | 70 | 130 | | | |
| Sample ID: C11090996-002EMSD | Sample Matrix Spike Duplicate | | | | | Run: G542M_111007A | | | | 10/17/11 12:13 |
| Radium 226 | 14 | | pCi/L | 109 | | 70 | 130 | 7.0 | | 24.5 |
| Sample ID: MB-RA226-5656 | 3 | Method Blank | | | | Run: G542M_111007A | | | | 10/17/11 12:13 |
| Radium 226 | | 0.02 | pCi/L | | | | | | | U |
| Radium 226 precision (±) | | 0.10 | pCi/L | | | | | | | |
| Radium 226 MDC | | 0.2 | pCi/L | | | | | | | |
| Sample ID: LCS-RA226-5656 | Laboratory Control Sample | | | | | Run: G542M_111007A | | | | 10/17/11 12:13 |
| Radium 226 | 6.3 | | pCi/L | 100 | | 80 | 120 | | | |

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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Project: Marsland Baseline Private Well Samples

Report Date: 11/10/11

Work Order: C11090996

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|--------------------------------------|-------|-------------------------------|-------|-----|------|--------------------------|------------|-----|----------|-----------------------|
| Method: E908.0 | | | | | | | | | | Batch: 31331 |
| Sample ID: C11090996-003HMS | | Sample Matrix Spike | | | | Run: ALPHANALYST_111019A | | | | 10/22/11 15:09 |
| Thorium 230 | | 10.0 | pCi/L | 112 | | 70 | 130 | | | |
| Sample ID: C11090996-003HMSD | | Sample Matrix Spike Duplicate | | | | Run: ALPHANALYST_111019A | | | | 10/22/11 15:09 |
| Thorium 230 | | 10 | pCi/L | 112 | | 70 | 130 | 0.8 | | 48.3 |
| Sample ID: LCS-31331 | | Laboratory Control Sample | | | | Run: ALPHANALYST_111019A | | | | 10/22/11 15:10 |
| Thorium 230 | | 9.8 | pCi/L | 97 | | 70 | 130 | | | |
| Sample ID: MB-31331 | 3 | Method Blank | | | | Run: ALPHANALYST_111019A | | | | 10/22/11 15:10 |
| Thorium 230 | | 0.4 | pCi/L | | | | | | | U |
| Thorium 230 precision (\pm) | | 0.3 | pCi/L | | | | | | | |
| Thorium 230 MDC | | 0.4 | pCi/L | | | | | | | |
| Method: E908.0 | | | | | | | | | | Batch: RA-TH-ISO-1504 |
| Sample ID: LCS-RA-TH-ISO-1504 | | Laboratory Control Sample | | | | Run: ALPHANALYST_111031A | | | | 11/04/11 08:39 |
| Thorium 230 | | 6.5 | pCi/L | 114 | | 70 | 130 | | | |
| Sample ID: C11091177-001DMS | | Sample Matrix Spike | | | | Run: ALPHANALYST_111031A | | | | 11/04/11 08:40 |
| Thorium 230 | | 12 | pCi/L | 103 | | 70 | 130 | | | |
| Sample ID: C11091177-001DMSD | | Sample Matrix Spike Duplicate | | | | Run: ALPHANALYST_111031A | | | | 11/04/11 08:40 |
| Thorium 230 | | 10 | pCi/L | 89 | | 70 | 130 | 13 | | 38.7 |
| Sample ID: MB-RA-TH-ISO-1504 | 3 | Method Blank | | | | Run: ALPHANALYST_111031A | | | | 11/04/11 08:40 |
| Thorium 230 | | 0.03 | pCi/L | | | | | | | U |
| Thorium 230 precision (\pm) | | 0.07 | pCi/L | | | | | | | |
| Thorium 230 MDC | | 0.2 | pCi/L | | | | | | | |

Qualifiers:

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MDC - Minimum detectable concentration

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U - Not detected at minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 11/10/11

Project: Marsland Baseline Private Well Samples

Work Order: C11090996

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|-----------|------|-----------------|------------|-----|----------|----------------------|
| Method: E909.0 | | | | | | | | | | Batch: T_14957 |
| Sample ID: T11090088-001HMSD | | Sample Matrix Spike Duplicate | | | | Run: SUB-T42549 | | | | 10/09/11 11:26 |
| Lead 210 | | 160 | pCi/L | 92 | | 70 | 130 | 0.1 | | 14.5 |
| Sample ID: MB-14957 | | | | | | | | | | Run: SUB-T42549 |
| Lead 210 | 3 | Method Blank | -4 | pCi/L | | | | | | 10/08/11 21:57 |
| Lead 210 precision (±) | | | 4 | pCi/L | | | | | | U |
| Lead 210 MDC | | | 6 | pCi/L | | | | | | |
| Sample ID: LCS-14957 | | | | | | | | | | Run: SUB-T42549 |
| Lead 210 | | Laboratory Control Sample | 310 | pCi/L | 89 | 70 | 130 | | | 10/09/11 00:12 |
| Sample ID: T11090088-001HMS | | | | | | | | | | Run: SUB-T42549 |
| Lead 210 | | Sample Matrix Spike | 160 | pCi/L | 92 | 70 | 130 | | | 10/09/11 09:11 |
| Method: E909.0 | | | | | | | | | | Batch: T_PB-210-0162 |
| Sample ID: T11090087-002BDUP | 3 | Sample Duplicate | | | | Run: SUB-T42612 | | | | 10/18/11 18:40 |
| Lead 210 | | -0.29 | pCi/L | | | | | 18 | 291 | U |
| Lead 210 precision (±) | | 0.47 | pCi/L | | | | | | | |
| Lead 210 MDC | | 0.79 | pCi/L | | | | | | | |
| Sample ID: MB-PB-210-0162 | | | | | | | | | | Run: SUB-T42612 |
| Lead 210 | 3 | Method Blank | 0.2 | pCi/L | | | | | | 10/17/11 19:20 |
| Lead 210 precision (±) | | | 0.4 | pCi/L | | | | | | U |
| Lead 210 MDC | | | 0.7 | pCi/L | | | | | | |
| Sample ID: LCS-PB-210-0162 | | | | | | | | | | Run: SUB-T42612 |
| Lead 210 | | Laboratory Control Sample | 46 | pCi/L | 87 | 70 | 130 | | | 10/17/11 22:40 |
| Sample ID: T11100011-008AMS | | | | | | | | | | Run: SUB-T42612 |
| Lead 210 | | Sample Matrix Spike | 9.37 | pCi/g-dry | 93 | 70 | 130 | | | 10/18/11 05:20 |
| Sample ID: T11100011-008AMSD | | | | | | | | | | Run: SUB-T42612 |
| Lead 210 | | Sample Matrix Spike Duplicate | 9.25 | pCi/g-dry | 93 | 70 | 130 | 1.2 | | 10/18/11 08:40 |

Qualifiers:

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MDC - Minimum detectable concentration

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U - Not detected at minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 11/10/11

Project: Marsland Baseline Private Well Samples

Work Order: C11090996

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------------------------------|--------|-------|------------------------|------|-----------|----------------|------|----------|----------------|
| Method: E912.0 | | | | | | | | | | Batch: R152616 |
| Sample ID: C11090839-001FMS | Sample Matrix Spike | | | Run: EGG-ORTEC_111019A | | | 10/27/11 09:27 | | | |
| Polonium 210 | 13 | pCi/L | | 102 | 70 | 130 | | | | |
| Sample ID: C11090839-001FMSD | Sample Matrix Spike Duplicate | | | Run: EGG-ORTEC_111019A | | | 10/27/11 09:27 | | | |
| Polonium 210 | 11 | pCi/L | | 85 | 70 | 130 | 18 | 64.7 | | |
| Sample ID: MB-PO210-0399 | 3 Method Blank | | | Run: EGG-ORTEC_111019A | | | 10/28/11 09:11 | | | |
| Polonium 210 | | 0.7 | pCi/L | | | | | | | U |
| Polonium 210 precision (\pm) | | 0.7 | pCi/L | | | | | | | |
| Polonium 210 MDC | | 0.7 | pCi/L | | | | | | | |
| Sample ID: LCS-PO210-0399 | Laboratory Control Sample | | | Run: EGG-ORTEC_111019A | | | 10/28/11 09:11 | | | |
| Polonium 210 | | 5.5 | pCi/L | 77 | 70 | 130 | | | | |
| Method: E912.0 | | | | | | | | | | Batch: R152619 |
| Sample ID: C11091005-002DMS | Sample Matrix Spike | | | Run: EGG-ORTEC_111019B | | | 10/28/11 16:56 | | | |
| Polonium 210 | 5.5 | pCi/L | | 99 | 70 | 130 | | | | |
| Sample ID: C11091005-002DMSD | Sample Matrix Spike Duplicate | | | Run: EGG-ORTEC_111019B | | | 10/28/11 16:56 | | | |
| Polonium 210 | 4.5 | pCi/L | | 78 | 70 | 130 | 22 | 63.3 | | |
| Sample ID: LCS-31331 | Laboratory Control Sample | | | Run: EGG-ORTEC_111019B | | | 10/28/11 16:56 | | | |
| Polonium 210 | 27 | pCi/L | | 90 | 70 | 130 | | | | |
| Sample ID: MB-31331 | 3 Method Blank | | | Run: EGG-ORTEC_111019B | | | 10/28/11 16:56 | | | |
| Polonium 210 | | ND | pCi/L | | | | | | | U |
| Polonium 210 precision (\pm) | | 0.7 | pCi/L | | | | | | | |
| Polonium 210 MDC | | 2 | pCi/L | | | | | | | |

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



Workorder Receipt Checklist



C11090996

Login completed by: Debra Williams

Date Received: 9/27/2011

Reviewed by: BL2000\cwagner

Received by: kg

Reviewed Date: 9/28/2011

Carrier NDA
name:

| | | | |
|---|---|-----------------------------|--|
| Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| All samples received within holding time? (Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.) | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Container/Temp Blank temperature: | 10.2°C Melted ice | | |
| Water - VOA vials have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | No VOA vials submitted <input checked="" type="checkbox"/> |
| Water - pH acceptable upon receipt? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Applicable <input type="checkbox"/> |

Contact and Corrective Action Comments:

Sample split and preserved as necessary for dissolved and suspended Radiochemistry



Chain of Custody and Analytical Request Record

Page 1 of 1

PLEASE PRINT- Provide as much information as possible.

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--------------------|---|--|--|---------------------------|----------------------------------|---------------------------|---|---|---|---------------------------|---|------------|--|--|---------------------------|------------------------|--|----------------|--------------------|--------------------|------------------------|-------------------------------|---------------------------|----------------------------------|--|--|--|--|---|--|------------------|--|--|--|------------------------|--|
| Company Name: Crow Butte Resources, Inc. | | | Project Name Marsland Baseline Private Well Samples | | | Sample Origin State: | | | EPA/State Compliance: Yes <input type="checkbox"/> No <input type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Report Mail Address: P.O. Box 169 Crawford, NE 69339 | | | Contact Name: Larry Teahon | | | Phone/Fax: 308-665-2341 | | | Email: daxmynus@msn.com | | | Sampler: (Please Print) Brooke Bass Rhonda Pelton | | | | | | | | | | | | | | | | | | | | | | | | | |
| Invoice Address: P.O. Box 169 Crawford, NE 69339 | | | Invoice Contact & Phone: Larry Teahon 308-665-2215 ext 114 | | | Purchase Order: 1125 | | | Quote/Bottle Order: | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Special Report/Formats – ELI must be notified prior to sample submittal for the following: <input type="checkbox"/> DW <input type="checkbox"/> A2LA <input type="checkbox"/> GSA <input type="checkbox"/> EDD/EDT (Electronic Data) <input type="checkbox"/> POTW/WWTP <input type="checkbox"/> Format: _____ <input type="checkbox"/> State: _____ <input type="checkbox"/> LEVEL IV <input type="checkbox"/> Other: _____ <input type="checkbox"/> NELAC | | | | ANALYSIS REQUESTED <table border="1"><tr><td rowspan="2">Number of Containers Sample Type: A W S V B O Air Water Soils/Solids Vegetation Bioassay Other</td><td colspan="10"></td></tr><tr><td>HNO3-F, Metals</td><td>RAW-F, Common Ions</td><td>RAW-UF, Alkalinity</td><td>H2SO4-F, NO2, NO3, NH4</td><td>Raw-UF, Ra226, Po210 dis, sus</td><td>Raw-UF, Pb210 dis and sus</td><td>Raw-UF, Th230, U-nat dis and sus</td><td></td><td></td><td></td><td></td></tr></table> | | | | Number of Containers Sample Type: A W S V B O Air Water Soils/Solids Vegetation Bioassay Other | | | | | | | | | | | HNO3-F, Metals | RAW-F, Common Ions | RAW-UF, Alkalinity | H2SO4-F, NO2, NO3, NH4 | Raw-UF, Ra226, Po210 dis, sus | Raw-UF, Pb210 dis and sus | Raw-UF, Th230, U-nat dis and sus | | | | | SEE ATTACHED Normal Turnaround (TAT) | | R U S H | | Contact ELI prior to RUSH sample submittal for charges and scheduling – See Instruction Page | | Shipped by: UPS-NDA | |
| | | | | | | | | | Number of Containers Sample Type: A W S V B O Air Water Soils/Solids Vegetation Bioassay Other | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HNO3-F, Metals | RAW-F, Common Ions | RAW-UF, Alkalinity | H2SO4-F, NO2, NO3, NH4 | Raw-UF, Ra226, Po210 dis, sus | Raw-UF, Pb210 dis and sus | Raw-UF, Th230, U-nat dis and sus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Comments: NDEQ parameters for baseline sampling. Report on separate sheets. Analyze as per WDEQ Guideline 8 and NRC Reg. Guide 4.14 requirements. Record U as mg/L and µCi/ml and radiometrics as pCi/L. | | Cooler ID(s): 3851 3641 3596-2cl.mf | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SAMPLE IDENTIFICATION (Name, Location, Interval, etc.) | | | Collection Date | Collection Time | MATRIX | | | | | | | | | | | Receipt Temp 10.2 °C | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | On Ice: Yes No Refr | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | Custody Seal Y N | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | Intact Y N | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | Signature Match Y N | | | | | | | | | | | | | | | | | | | | | |
| 1 Well #741 | | | 9/22/11 | | Water | .5 | 1 | 1 | .5 | 1 | 1 | 1 | | | | | Please Report 10/30/11 | | | | | | | | | | | | | | | | | | | | |
| 2 Well #759 | | | 9/22/11 | | Water | .5 | 1 | 1 | .5 | 1 | 1 | 1 | | | | | Please Report 10/30/11 | | | | | | | | | | | | | | | | | | | | |
| 3 Well #703 | | | 9/22/11 | | Water | .5 | 1 | 1 | .5 | 1 | 1 | 1 | | | | | Please Report 10/30/11 | | | | | | | | | | | | | | | | | | | | |
| 4 Well #723 | | | 9/22/11 | | Water | .5 | 1 | 1 | .5 | 1 | 1 | 1 | | | | | Please Report 10/30/11 | | | | | | | | | | | | | | | | | | | | |
| 5 Well #745 | | | 9/22/11 | | Water | .5 | 1 | 1 | .5 | 1 | 1 | 1 | | | | | Please Report 10/30/11 | | | | | | | | | | | | | | | | | | | | |
| 6 Well #727 | | | 9/22/11 | | Water | .5 | 1 | 1 | .5 | 1 | 1 | 1 | | | | | Please Report 10/30/11 | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Custody Record MUST be Signed | | | Relinquished by (print): Brooke Bass | | Date/Time: 9-28-11 | | Signature: Brooke Bass | | Received by (print): | | Date/Time: | | Signature: | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Relinquished by (print): | | Date/Time: | | Signature: | | Received by (print): | | Date/Time: | | Signature: | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Sample Disposal: Return to Client: No | | Lab Disposal: YES | | Received by Laboratory: | | Date/Time: 9-27-11 9:25 | | Signature: K.E. 36-55e | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report.
Visit our web site at www.enervlab.com for additional information, downloadable fee schedule, forms, and links.

CROW BUTTE RESOURCES, INC.
CROW BUTTE PROJECT

NO₂⁻

DATE: 9.23.11

ANALYST: MO

STANDARD CURVE DATA

| | | | | | | | |
|-----|------|------|------|------|--|--|--|
| | BL | 0.01 | .05 | .10 | | | |
| Abs | .000 | .035 | .143 | .327 | | | |
| Abs | | | | | | | |

| SAMPLE # | VOLUME | Df | Abs | NO ₂ mg/L |
|-----------|--------|----|------|----------------------|
| 1 703 | 10ml | 1 | .004 | <.01 |
| 2 723 | 10ml | 1 | .001 | <.01 |
| 3 727 | 10ml | 1 | .005 | <.01 |
| 4 727 Dup | 10ml | 1 | .006 | <.01 |
| 5 741 | 10ml | 1 | .003 | <.01 |
| 745 | 10ml | 1 | .001 | <.01 |
| 6 759 | 10ml | 1 | .000 | <.01 |
| 7 759 Dup | 10ml | 1 | .002 | <.01 |
| 8 | | | | |
| 9 | | | | |
| 10 | | | | |
| Dup | | | | |
| 11 | | | | |
| 12 | | | | |
| 13 | | | | |
| 14 | | | | |
| 15 | | | | |
| Dup | | | | |
| 16 | | | | |
| 17 | | | | |
| 18 | | | | |
| 19 | | | | |
| 20 | | | | |
| Dup | | | | |
| 21 | | | | |
| 22 | | | | |
| 23 | | | | |
| 24 | | | | |
| 25 | | | | |
| Dup | | | | |

ANALYTICAL SUMMARY REPORT

November 11, 2011

Crow Butte Resources
86 Crow Butte Rd
Crawford, NE 69339

Workorder No.: C11091177 Quote ID: C1125 - Crow Butte Uranium

Project Name: Marsland Baseline Private Well Samples

Energy Laboratories, Inc. Casper WY received the following 1 sample for Crow Butte Resources on 9/30/2011 for analysis.

| Sample ID | Client Sample ID | Collect Date | Receive Date | Matrix | Test |
|---------------|------------------|----------------|--------------|---------|--|
| C11091177-001 | Well #725 | 09/29/11 00:00 | 09/30/11 | Aqueous | Metals by ICP/ICPMS, Dissolved Alkalinity QA Calculations Conductivity Sample Filtering Fluoride E300.0 Anions Uranium, Suspended Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Digestion, Total Metals Lead 210, Dissolved Lead 210, Suspended Polonium 210, Dissolved Polonium 210, Suspended Radium 226, Dissolved Radium 226, Suspended Thorium, Isotopic Thorium, Suspended Isotopic Solids, Total Dissolved |

The analyses presented in this report were performed at Energy Laboratories, Inc., 2393 Salt Creek Hwy., Casper, WY 82601, unless otherwise noted. Radiochemistry analyses were performed at Energy Laboratories, Inc., 2325 Kerzell Lane, Casper, WY 82601, unless otherwise noted. Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

The results as reported relate only to the item(s) submitted for testing. All samples are reported on an as received basis unless otherwise indicated.

If you have any questions regarding these test results, please call.

Report Approved By:

CLIENT: Crow Butte Resources
Project: Marsland Baseline Private Well Samples
Sample Delivery Group: C11091177

Report Date: 11/11/11

CASE NARRATIVE

BRANCH LABORATORY SUBCONTRACT ANALYSIS

Tests associated with analyst identified as ELI-CS were subcontracted to Energy Laboratories, 415 Graham Rd., College Station, TX, EPA Number TX01520.

RADIOCHEMISTRY ANALYSIS

Per client request, results less than MDC (or precision if no MDC), are reported as <MDC (or <precision). Actual instrument results are available by request.

ORIGINAL SAMPLE SUBMITTAL(S)

All original sample submittals have been returned with the data package.

SAMPLE TEMPERATURE COMPLIANCE: 4°C (±2°C)

Temperature of samples received may not be considered properly preserved by accepted standards. Samples that are hand delivered immediately after collection shall be considered acceptable if there is evidence that the chilling process has begun.

GROSS ALPHA ANALYSIS

Method 900.0 for gross alpha and gross beta is intended as a drinking water method for low TDS waters. Data provided by this method for non potable waters should be viewed as inconsistent.

SOIL/SOLID SAMPLES

All samples reported on an as received basis unless otherwise indicated.

SUBCONTRACTING ANALYSIS

Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.

BRANCH LABORATORY LOCATIONS

eli-b - Energy Laboratories, Inc. - Billings, MT
eli-g - Energy Laboratories, Inc. - Gillette, WY
eli-h - Energy Laboratories, Inc. - Helena, MT
eli-r - Energy Laboratories, Inc. - Rapid City, SD
eli-t - Energy Laboratories, Inc. - College Station, TX

CERTIFICATIONS:

USEPA: WY00002; FL-DOH NELAC: E87641; California: 02118CA
Oregon: WY200001; Utah: 3072350515; Virginia: 00057; Washington: C1903

ISO 17025 DISCLAIMER:

The results of this Analytical Report relate only to the items submitted for analysis.

ENERGY LABORATORIES, INC. - CASPER, WY certifies that certain method selections contained in this report meet requirements as set forth by the above accrediting authorities. Some results requested by the client may not be covered under these certifications. All analysis data to be submitted for regulatory enforcement should be certified in the sample state of origin. Please verify ELI's certification coverage by visiting www.energylab.com

ELI appreciates the opportunity to provide you with this analytical service. For additional information and services visit our web page www.energylab.com.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Private Well Samples
Lab ID: C11091177-001
Client Sample ID: Well #725

Report Date: 11/11/11
Collection Date: 09/29/11
Date Received: 09/30/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|------------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 156 | mg/L | | 1 | | A2320 B | 10/01/11 04:39 / jba |
| Carbonate as CO ₃ | 4 | mg/L | | 1 | | A2320 B | 10/01/11 04:39 / jba |
| Bicarbonate as HCO ₃ | 182 | mg/L | | 1 | | A2320 B | 10/01/11 04:39 / jba |
| Calcium | 30 | mg/L | | 1 | | E200.8 | 11/04/11 03:03 / sml |
| Chloride | 3 | mg/L | | 1 | | E300.0 | 10/09/11 06:26 / ljl |
| Fluoride | 0.7 | mg/L | | 0.1 | | A4500-F C | 10/03/11 10:53 / jba |
| Magnesium | 7 | mg/L | | 1 | | E200.8 | 11/04/11 03:03 / sml |
| Nitrogen, Ammonia as N | ND | mg/L | | 0.05 | | A4500-NH ₃ G | 10/14/11 17:07 / dc |
| Nitrogen, Nitrate+Nitrite as N | 0.8 | mg/L | | 0.1 | | E353.2 | 10/21/11 23:25 / ljl |
| Potassium | 4 | mg/L | | 1 | | E200.8 | 11/04/11 03:03 / sml |
| Silica | 72.0 | mg/L | | 0.2 | | E200.7 | 10/26/11 17:59 / cp |
| Sodium | 25 | mg/L | | 1 | | E200.8 | 11/04/11 03:03 / sml |
| Sulfate | 13 | mg/L | | 1 | | E300.0 | 10/09/11 06:26 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 309 | umhos/cm | | 1 | | A2510 B | 10/03/11 09:21 / lmc |
| pH | 8.00 | s.u. | | 0.01 | | A4500-H B | 10/03/11 09:21 / lmc |
| Solids, Total Dissolved TDS @ 180 C | 248 | mg/L | | 10 | | A2540 C | 10/03/11 16:35 / lmc |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.7 | 10/26/11 17:59 / cp |
| Arsenic | 0.005 | mg/L | | 0.001 | | E200.8 | 11/04/11 03:03 / sml |
| Barium | ND | mg/L | | 0.1 | | E200.7 | 10/26/11 17:59 / cp |
| Boron | ND | mg/L | | 0.1 | | E200.7 | 10/26/11 17:59 / cp |
| Cadmium | ND | mg/L | | 0.005 | | E200.7 | 10/26/11 17:59 / cp |
| Chromium | ND | mg/L | | 0.05 | | E200.7 | 10/26/11 17:59 / cp |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 11/04/11 03:03 / sml |
| Iron | 0.04 | mg/L | | 0.03 | | E200.7 | 10/26/11 17:59 / cp |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 11/04/11 03:03 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 11/04/11 03:03 / sml |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 11/04/11 03:03 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.7 | 10/26/11 17:59 / cp |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 11/04/11 03:03 / sml |
| Selenium | ND | mg/L | | 0.001 | | E200.8 | 11/04/11 03:03 / sml |
| Uranium | 0.0061 | mg/L | | 0.0003 | | E200.8 | 11/04/11 03:03 / sml |
| Uranium, Activity | 4.1E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 11/04/11 03:03 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 11/04/11 03:03 / sml |
| Zinc | 0.18 | mg/L | | 0.01 | | E200.7 | 10/26/11 17:59 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 10/08/11 01:41 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 10/08/11 01:41 / sml |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Private Well Samples
Lab ID: C11091177-001
Client Sample ID: Well #725

Report Date: 11/11/11
Collection Date: 09/29/11
Date Received: 09/30/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|------------|-----|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 10/20/11 00:40 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 10/20/11 00:40 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 10/20/11 00:40 / eli-cs |
| Polonium 210 | 1 | pCi/L | | 0.5 | | E912.0 | 10/14/11 11:17 / ep |
| Polonium 210 precision (±) | 0.6 | pCi/L | | | | E912.0 | 10/14/11 11:17 / ep |
| Polonium 210 MDC | 0.5 | pCi/L | | | | E912.0 | 10/14/11 11:17 / ep |
| Radium 226 | 0.3 | pCi/L | | 0.1 | | E903.0 | 10/17/11 17:31 / js |
| Radium 226 precision (±) | 0.1 | pCi/L | | | | E903.0 | 10/17/11 17:31 / js |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 10/17/11 17:31 / js |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 11/04/11 08:40 / dmf |
| Thorium 230 precision (±) | 0.09 | pCi/L | | | | E908.0 | 11/04/11 08:40 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 11/04/11 08:40 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.6 | pCi/L | U | 0.6 | | E909.0 | 10/29/11 01:07 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 10/29/11 01:07 / eli-cs |
| Lead 210 MDC | 0.6 | pCi/L | | | | E909.0 | 10/29/11 01:07 / eli-cs |
| Polonium 210 | <0.2 | pCi/L | U | 0.2 | | E912.0 | 10/28/11 16:56 / ep |
| Polonium 210 precision (±) | 0.09 | pCi/L | | | | E912.0 | 10/28/11 16:56 / ep |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 10/28/11 16:56 / ep |
| Radium 226 | <0.1 | pCi/L | U | 0.1 | | E903.0 | 10/18/11 00:00 / js |
| Radium 226 precision (±) | 0.03 | pCi/L | | | | E903.0 | 10/18/11 00:00 / js |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 10/18/11 00:00 / js |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 11/04/11 13:16 / dmf |
| Thorium 230 precision (±) | 0.04 | pCi/L | | | | E908.0 | 11/04/11 13:16 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 11/04/11 13:16 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | -5.17 | % | | | | Calculation | 11/09/11 09:00 / kbh |
| Anions | 3.56 | meq/L | | | | Calculation | 11/09/11 09:00 / kbh |
| Cations | 3.21 | meq/L | | | | Calculation | 11/09/11 09:00 / kbh |
| Solids, Total Dissolved Calculated | 270 | mg/L | | | | Calculation | 11/09/11 09:00 / kbh |
| TDS Balance (0.80 - 1.20) | 0.920 | | | | | Calculation | 11/09/11 09:00 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 11/11/11

Project: Marsland Baseline Private Well Samples

Work Order: C11091177

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|--|-------|---------------------------|-------|-----|------|----------------------|------------|-----|----------|----------------|
| Method: A2320 B | | | | | | | | | | Batch: R151375 |
| Sample ID: MBLK | 3 | Method Blank | | | | Run: MANTECH_110930B | | | | 09/30/11 14:09 |
| Alkalinity, Total as CaCO ₃ | | 3 | mg/L | 2 | | | | | | |
| Carbonate as CO ₃ | | ND | mg/L | 1 | | | | | | |
| Bicarbonate as HCO ₃ | | 3 | mg/L | 1 | | | | | | |
| Sample ID: LCS | | Laboratory Control Sample | | | | Run: MANTECH_110930B | | | | 09/30/11 14:25 |
| Alkalinity, Total as CaCO ₃ | | 196 | mg/L | 5.0 | 97 | 90 | 110 | | | |
| Sample ID: C11091168-019AMS | | Sample Matrix Spike | | | | Run: MANTECH_110930B | | | | 10/01/11 01:48 |
| Alkalinity, Total as CaCO ₃ | | 729 | mg/L | 5.0 | 110 | 80 | 120 | | | |
| Sample ID: C11091168-026ADUP | | Sample Duplicate | | | | Run: MANTECH_110930B | | | | 10/01/11 02:58 |
| Alkalinity, Total as CaCO ₃ | | 249 | mg/L | 5.0 | | | | 2.8 | 10 | |

Qualifiers:

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MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 11/11/11

Project: Marsland Baseline Private Well Samples

Work Order: C11091177

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|------------------------------|---|--------|----------|-----|------|------------------------|-----------------------------------|-----|----------------|----------------|
| Method: A2510 B | | | | | | | Analytical Run: ORION555A_111003A | | | |
| Sample ID: ICV2_111003_1 | Initial Calibration Verification Standard | | | | | | | | | 10/03/11 07:51 |
| Conductivity @ 25 C | | 1400 | umhos/cm | 1.0 | 99 | 90 | 110 | | | |
| Method: A2510 B | | | | | | | Batch: 111003_1_PH-W_555A-1 | | | |
| Sample ID: MBLK1_111003_1 | Method Blank | | | | | Run: ORION555A_111003A | | | 10/03/11 07:48 | |
| Conductivity @ 25 C | | 0.7 | umhos/cm | 0.2 | | | | | | |
| Sample ID: C11091181-004ADUP | Sample Duplicate | | | | | Run: ORION555A_111003A | | | 10/03/11 09:35 | |
| Conductivity @ 25 C | | 4490 | umhos/cm | 1.0 | | | | 0.0 | 10 | |

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QA/QC Summary Report

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Report Date: 11/11/11

Project: Marsland Baseline Private Well Samples

Work Order: C11091177

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|---------------------------|-------|----|------|--------------------|------------|----------------------------|----------|------|
| Method: A2540 C | | | | | | | | Batch: 111003_2_SLDS-TDS-W | | |
| Sample ID: MBLK1_111003 | | Method Blank | | | | Run: BAL-1_111003C | | 10/03/11 16:20 | | |
| Solids, Total Dissolved TDS @ 180 C | 8 | | mg/L | 4 | | | | | | |
| Sample ID: LCS1_111003 | | Laboratory Control Sample | | | | Run: BAL-1_111003C | | 10/03/11 16:20 | | |
| Solids, Total Dissolved TDS @ 180 C | 1020 | | mg/L | 10 | 101 | 90 | 110 | | | |
| Sample ID: C11091168-032AMS | | Sample Matrix Spike | | | | Run: BAL-1_111003C | | 10/03/11 16:33 | | |
| Solids, Total Dissolved TDS @ 180 C | 2520 | | mg/L | 10 | 95 | 90 | 110 | | | |
| Sample ID: C11091177-001ADUP | | Sample Duplicate | | | | Run: BAL-1_111003C | | 10/03/11 16:35 | | |
| Solids, Total Dissolved TDS @ 180 C | 244 | | mg/L | 10 | | | | 1.6 | 5 | |

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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 11/11/11

Project: Marsland Baseline Private Well Samples

Work Order: C11091177

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|--------|-------|-------|------|-----------|------------|-----|----------|-------------------------------------|
| Method: A4500-F C | | | | | | | | | | Batch: R151458 |
| Sample ID: MBLK | | | | | | | | | | |
| Method Blank | | | | | | | | | | |
| Fluoride | | 0.01 | mg/L | 0.008 | | | | | | Run: MANTECH_111003A 10/03/11 10:29 |
| Sample ID: LCS | | | | | | | | | | |
| Laboratory Control Sample | | | | | | | | | | |
| Fluoride | | 1.82 | mg/L | 0.10 | 91 | 90 | 110 | | | Run: MANTECH_111003A 10/03/11 10:36 |
| Sample ID: C11091177-001BMS | | | | | | | | | | |
| Sample Matrix Spike | | | | | | | | | | |
| Fluoride | | 2.38 | mg/L | 0.10 | 85 | 80 | 120 | | | Run: MANTECH_111003A 10/03/11 10:55 |
| Sample ID: C11091177-001BMSD | | | | | | | | | | |
| Sample Matrix Spike Duplicate | | | | | | | | | | |
| Fluoride | | 2.43 | mg/L | 0.10 | 88 | 80 | 120 | 2.1 | 10 | Run: MANTECH_111003A 10/03/11 10:59 |

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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 11/11/11

Project: Marsland Baseline Private Well Samples

Work Order: C11091177

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|---|-------|------------------------|------|-----------|------------|-----------------------------------|----------|----------------|
| Method: A4500-H B | | | | | | | | Analytical Run: ORION555A_111003A | | |
| Sample ID: ICV1_111003_1 | | Initial Calibration Verification Standard | | | | | | | | 10/03/11 07:50 |
| pH | | 6.89 | s.u. | 0.010 | 100 | 98 | 102 | | | |
| Method: A4500-H B | | | | | | | | Batch: 111003_1_PH-W_555A-1 | | |
| Sample ID: C11091181-004ADUP | | Sample Duplicate | | Run: ORION555A_111003A | | | | 10/03/11 09:35 | | |
| pH | | 8.69 | s.u. | 0.010 | | | | 0.0 | 3 | |

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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 11/11/11

Project: Marsland Baseline Private Well Samples

Work Order: C11091177

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|-------|------|-----------|------------------------|-----|----------|----------------|
| Method: A4500-NH3 G | | | | | | | | | | Batch: R151991 |
| Sample ID: MBLK-1 | | Method Blank | | | | | Run: TECHNICON_111014B | | | 10/14/11 15:51 |
| Nitrogen, Ammonia as N | | ND | mg/L | 0.02 | | | | | | |
| Sample ID: LCS-2 | | Laboratory Control Sample | | | | | Run: TECHNICON_111014B | | | 10/14/11 15:53 |
| Nitrogen, Ammonia as N | | 2.00 | mg/L | 0.050 | 100 | 90 | 110 | | | |
| Sample ID: LFB-3 | | Laboratory Fortified Blank | | | | | Run: TECHNICON_111014B | | | 10/14/11 15:55 |
| Nitrogen, Ammonia as N | | 1.96 | mg/L | 0.050 | 100 | 80 | 120 | | | |
| Sample ID: C11091139-001EMS | | Sample Matrix Spike | | | | | Run: TECHNICON_111014B | | | 10/14/11 16:57 |
| Nitrogen, Ammonia as N | | 2.01 | mg/L | 0.050 | 98 | 90 | 110 | | | |
| Sample ID: C11091139-001EMSD | | Sample Matrix Spike Duplicate | | | | | Run: TECHNICON_111014B | | | 10/14/11 16:59 |
| Nitrogen, Ammonia as N | | 1.99 | mg/L | 0.050 | 97 | 90 | 110 | 1.0 | 10 | |

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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 11/11/11

Project: Marsland Baseline Private Well Samples

Work Order: C11091177

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|------------------------------|-------|---|-------|--------|------|---------------------|------------|-----|----------------|----------------|
| Method: E200.7 | | Analytical Run: ICP2-C_111026A | | | | | | | | |
| Sample ID: ICV | | 9 Initial Calibration Verification Standard | | | | | | | | 10/26/11 14:37 |
| Aluminum | | 2.42 | mg/L | 0.10 | 97 | 95 | 105 | | | |
| Barium | | 2.50 | mg/L | 0.10 | 100 | 95 | 105 | | | |
| Boron | | 2.40 | mg/L | 0.10 | 96 | 95 | 105 | | | |
| Cadmium | | 2.49 | mg/L | 0.010 | 100 | 95 | 105 | | | |
| Chromium | | 2.49 | mg/L | 0.050 | 100 | 95 | 105 | | | |
| Iron | | 2.54 | mg/L | 0.030 | 101 | 95 | 105 | | | |
| Molybdenum | | 2.48 | mg/L | 0.10 | 99 | 95 | 105 | | | |
| Silicon | | 5.09 | mg/L | 0.10 | 102 | 95 | 105 | | | |
| Zinc | | 2.49 | mg/L | 0.010 | 99 | 95 | 105 | | | |
| Sample ID: ICSA | | 9 Interference Check Sample A | | | | | | | | 10/26/11 15:03 |
| Aluminum | | 506 | mg/L | 0.10 | 101 | 80 | 120 | | | |
| Barium | | 0.00200 | mg/L | 0.10 | | 0 | 0 | | | |
| Boron | | 0.00500 | mg/L | 0.10 | | 0 | 0 | | | |
| Cadmium | | 0.0164 | mg/L | 0.010 | | 0 | 0 | | | |
| Chromium | | 0.00570 | mg/L | 0.050 | | 0 | 0 | | | |
| Iron | | 194 | mg/L | 0.030 | 97 | 80 | 120 | | | |
| Molybdenum | | -0.0152 | mg/L | 0.10 | | 0 | 0 | | | |
| Silicon | | -0.0863 | mg/L | 0.10 | | 0 | 0 | | | |
| Zinc | | 0.0138 | mg/L | 0.010 | | 0 | 0 | | | |
| Sample ID: ICSAB | | 9 Interference Check Sample AB | | | | | | | | 10/26/11 15:07 |
| Aluminum | | 520 | mg/L | 0.10 | 104 | 80 | 120 | | | |
| Barium | | 0.538 | mg/L | 0.10 | 108 | 80 | 120 | | | |
| Boron | | 0.358 | mg/L | 0.10 | | 0 | 0 | | | |
| Cadmium | | 1.03 | mg/L | 0.010 | 103 | 80 | 120 | | | |
| Chromium | | 0.508 | mg/L | 0.050 | 102 | 80 | 120 | | | |
| Iron | | 196 | mg/L | 0.030 | 98 | 80 | 120 | | | |
| Molybdenum | | -0.0174 | mg/L | 0.10 | | 0 | 0 | | | |
| Silicon | | -0.0835 | mg/L | 0.10 | | 0 | 0 | | | |
| Zinc | | 1.07 | mg/L | 0.010 | 107 | 80 | 120 | | | |
| Method: E200.7 | | Batch: R152562 | | | | | | | | |
| Sample ID: MB-111026A | | 9 Method Blank | | | | Run: ICP2-C_111026A | | | 10/26/11 15:40 | |
| Aluminum | | 0.01 | mg/L | 0.01 | | | | | | |
| Barium | | ND | mg/L | 0.0006 | | | | | | |
| Boron | | ND | mg/L | 0.01 | | | | | | |
| Cadmium | | ND | mg/L | 0.0005 | | | | | | |
| Chromium | | ND | mg/L | 0.002 | | | | | | |
| Iron | | 0.002 | mg/L | 0.001 | | | | | | |
| Molybdenum | | ND | mg/L | 0.001 | | | | | | |
| Silicon | | ND | mg/L | 0.007 | | | | | | |
| Zinc | | ND | mg/L | 0.001 | | | | | | |

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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 11/11/11

Project: Marsland Baseline Private Well Samples

Work Order: C11091177

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|-------|------|---------------------|------------|-----|----------|----------------|
| Method: E200.7 | | | | | | | | | | Batch: R152562 |
| Sample ID: LFB-111026A | 9 | Laboratory Fortified Blank | | | | Run: ICP2-C_111026A | | | | 10/26/11 15:44 |
| Aluminum | | 0.912 | mg/L | 0.10 | 90 | 85 | 115 | | | |
| Barium | | 0.943 | mg/L | 0.10 | 94 | 85 | 115 | | | |
| Boron | | 0.899 | mg/L | 0.10 | 90 | 85 | 115 | | | |
| Cadmium | | 0.946 | mg/L | 0.010 | 95 | 85 | 115 | | | |
| Chromium | | 0.928 | mg/L | 0.050 | 93 | 85 | 115 | | | |
| Iron | | 0.949 | mg/L | 0.030 | 95 | 85 | 115 | | | |
| Molybdenum | | 0.938 | mg/L | 0.10 | 94 | 85 | 115 | | | |
| Silicon | | 0.431 | mg/L | 0.10 | 96 | 85 | 115 | | | |
| Zinc | | 0.946 | mg/L | 0.010 | 95 | 85 | 115 | | | |
| Sample ID: C11100595-001BMS2 | 9 | Sample Matrix Spike | | | | Run: ICP2-C_111026A | | | | 10/26/11 18:15 |
| Aluminum | | 1.80 | mg/L | 0.10 | 78 | 70 | 130 | | | |
| Barium | | 1.80 | mg/L | 0.10 | 88 | 70 | 130 | | | |
| Boron | | 1.76 | mg/L | 0.10 | 86 | 70 | 130 | | | |
| Cadmium | | 1.81 | mg/L | 0.010 | 89 | 70 | 130 | | | |
| Chromium | | 1.80 | mg/L | 0.050 | 88 | 70 | 130 | | | |
| Iron | | 1.86 | mg/L | 0.030 | 91 | 70 | 130 | | | |
| Molybdenum | | 1.79 | mg/L | 0.10 | 88 | 70 | 130 | | | |
| Silicon | | 0.679 | mg/L | 0.10 | 83 | 70 | 130 | | | |
| Zinc | | 1.84 | mg/L | 0.010 | 88 | 70 | 130 | | | |
| Sample ID: C11100595-001BMSD | 9 | Sample Matrix Spike Duplicate | | | | Run: ICP2-C_111026A | | | | 10/26/11 18:19 |
| Aluminum | | 1.87 | mg/L | 0.10 | 82 | 70 | 130 | 3.8 | 20 | |
| Barium | | 1.88 | mg/L | 0.10 | 92 | 70 | 130 | 4.6 | 20 | |
| Boron | | 1.84 | mg/L | 0.10 | 90 | 70 | 130 | 4.7 | 20 | |
| Cadmium | | 1.87 | mg/L | 0.010 | 92 | 70 | 130 | 3.4 | 20 | |
| Chromium | | 1.87 | mg/L | 0.050 | 92 | 70 | 130 | 4.1 | 20 | |
| Iron | | 1.94 | mg/L | 0.030 | 95 | 70 | 130 | 4.0 | 20 | |
| Molybdenum | | 1.88 | mg/L | 0.10 | 92 | 70 | 130 | 4.8 | 20 | |
| Silicon | | 0.694 | mg/L | 0.10 | 85 | 70 | 130 | 2.1 | 20 | |
| Zinc | | 1.90 | mg/L | 0.010 | 92 | 70 | 130 | 3.4 | 20 | |

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QA/QC Summary Report

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Client: Crow Butte Resources

Report Date: 11/11/11

Project: Marsland Baseline Private Well Samples

Work Order: C11091177

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|---|-------|---|------------|---------|------|-----------|------------|----------------------------------|----------|----------------|
| Method: E200.8 | | | | | | | | Analytical Run: ICPMS4-C_111007A | | |
| Sample ID: ICV | | Initial Calibration Verification Standard | | | | | | | | 10/07/11 13:50 |
| Uranium | | 0.0496 | mg/L | 0.00030 | 99 | 90 | 110 | | | |
| Method: E200.8 | | | | | | | | Batch: 31450A | | |
| Sample ID: MB-31450 | | Method Blank | | | | | | | | 10/08/11 01:07 |
| Uranium | | 0.0005 | pCi/Filter | | | | | | | |
| Sample ID: LCS2-31450 | | Laboratory Control Sample | | | | | | | | 10/08/11 01:10 |
| Uranium | | 0.123 | pCi/Filter | 0.00030 | 123 | 85 | 115 | | | S |
| - Response is above standard QA limit. This could indicate a high bias for the sample results. Since there were no detectable analyte responses, and the remainder of the run QA is within acceptance range, this batch is approved. Due to the samples being filters, a re-preparation/reanalysis is not possible. | | | | | | | | | | |
| Sample ID: C11100147-003AMS | | Sample Matrix Spike | | | | | | | | 10/08/11 02:28 |
| Uranium | | 0.0628 | pCi/Filter | 0.00030 | 116 | 70 | 130 | | | |
| Sample ID: C11100147-003AMSD | | Sample Matrix Spike Duplicate | | | | | | | | 10/08/11 02:31 |
| Uranium | | 0.0618 | pCi/Filter | 0.00030 | 114 | 70 | 130 | 1.6 | 20 | |

Qualifiers:

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S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 11/11/11

Project: Marsland Baseline Private Well Samples

Work Order: C11091177

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|----------------|-------|---|-------|---------|------|-----------------------|------------|----------------------------------|----------------|------|
| Method: E200.8 | | | | | | | | Analytical Run: ICPMS4-C_111103A | | |
| Sample ID: ICV | 13 | Initial Calibration Verification Standard | | | | | | 11/03/11 21:26 | | |
| Arsenic | | 0.0490 | mg/L | 0.0010 | 98 | 90 | 110 | | | |
| Calcium | | 9.94 | mg/L | 0.0066 | 99 | 90 | 110 | | | |
| Copper | | 0.0503 | mg/L | 0.0010 | 101 | 90 | 110 | | | |
| Lead | | 0.0488 | mg/L | 0.0010 | 98 | 90 | 110 | | | |
| Magnesium | | 9.85 | mg/L | 0.0027 | 98 | 90 | 110 | | | |
| Manganese | | 0.0500 | mg/L | 0.0010 | 100 | 90 | 110 | | | |
| Mercury | | 0.00506 | mg/L | 0.0010 | 101 | 90 | 110 | | | |
| Nickel | | 0.0499 | mg/L | 0.0010 | 100 | 90 | 110 | | | |
| Potassium | | 9.90 | mg/L | 0.0041 | 99 | 90 | 110 | | | |
| Selenium | | 0.0499 | mg/L | 0.0010 | 100 | 90 | 110 | | | |
| Sodium | | 9.64 | mg/L | 0.0043 | 96 | 90 | 110 | | | |
| Uranium | | 0.0504 | mg/L | 0.00030 | 101 | 90 | 110 | | | |
| Vanadium | | 0.0467 | mg/L | 0.0010 | 93 | 90 | 110 | | | |
| Method: E200.8 | | | | | | | | Batch: R152827A | | |
| Sample ID: LRB | 13 | Method Blank | | | | Run: ICPMS4-C_111103A | | | 11/03/11 12:54 | |
| Arsenic | | ND | mg/L | 5E-05 | | | | | | |
| Calcium | | ND | mg/L | 0.007 | | | | | | |
| Copper | | ND | mg/L | 3E-05 | | | | | | |
| Lead | | ND | mg/L | 2E-05 | | | | | | |
| Magnesium | | ND | mg/L | 0.003 | | | | | | |
| Manganese | | ND | mg/L | 3E-05 | | | | | | |
| Mercury | | ND | mg/L | 5E-05 | | | | | | |
| Nickel | | ND | mg/L | 9E-05 | | | | | | |
| Potassium | | ND | mg/L | 0.004 | | | | | | |
| Selenium | | ND | mg/L | 7E-05 | | | | | | |
| Sodium | | ND | mg/L | 0.004 | | | | | | |
| Uranium | | ND | mg/L | 9E-06 | | | | | | |
| Vanadium | | ND | mg/L | 4E-05 | | | | | | |
| Sample ID: LFB | 13 | Laboratory Fortified Blank | | | | Run: ICPMS4-C_111103A | | | 11/03/11 13:00 | |
| Arsenic | | 0.0523 | mg/L | 0.0010 | 105 | 85 | 115 | | | |
| Calcium | | 12.9 | mg/L | 0.0066 | 103 | 85 | 115 | | | |
| Copper | | 0.0530 | mg/L | 0.0010 | 106 | 85 | 115 | | | |
| Lead | | 0.0514 | mg/L | 0.0010 | 103 | 85 | 115 | | | |
| Magnesium | | 12.6 | mg/L | 0.0027 | 101 | 85 | 115 | | | |
| Manganese | | 0.0531 | mg/L | 0.0010 | 106 | 85 | 115 | | | |
| Mercury | | 0.00541 | mg/L | 0.0010 | 108 | 85 | 115 | | | |
| Nickel | | 0.0530 | mg/L | 0.0010 | 106 | 85 | 115 | | | |
| Potassium | | 12.8 | mg/L | 0.0041 | 102 | 85 | 115 | | | |
| Selenium | | 0.0511 | mg/L | 0.0010 | 102 | 85 | 115 | | | |
| Sodium | | 12.6 | mg/L | 0.0043 | 101 | 85 | 115 | | | |
| Uranium | | 0.0523 | mg/L | 0.00030 | 105 | 85 | 115 | | | |
| Vanadium | | 0.0522 | mg/L | 0.0010 | 104 | 85 | 115 | | | |

Qualifiers:

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MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 11/11/11

Project: Marsland Baseline Private Well Samples

Work Order: C11091177

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|---|-------|---------|-------|---------|------|-----------------------|------------|----------------|----------|-----------------|
| Method: E200.8 | | | | | | | | | | Batch: R152827A |
| Sample ID: C11100040-023BMS4 13 Sample Matrix Spike | | | | | | | | | | |
| | | | | | | Run: ICPMS4-C_111103A | | 11/04/11 05:28 | | |
| Arsenic | | 0.0545 | mg/L | 0.0010 | 106 | 70 | 130 | | | |
| Calcium | | 523 | mg/L | 1.0 | | 70 | 130 | | | A |
| Copper | | 0.0511 | mg/L | 0.010 | 91 | 70 | 130 | | | |
| Lead | | 0.0508 | mg/L | 0.050 | 95 | 70 | 130 | | | |
| Magnesium | | 83.4 | mg/L | 1.0 | | 70 | 130 | | | A |
| Manganese | | 9.28 | mg/L | 0.010 | | 70 | 130 | | | A |
| Mercury | | 0.00504 | mg/L | 0.0010 | 101 | 70 | 130 | | | |
| Nickel | | 0.101 | mg/L | 0.050 | 91 | 70 | 130 | | | |
| Potassium | | 21.1 | mg/L | 1.0 | 99 | 70 | 130 | | | |
| Selenium | | 0.0673 | mg/L | 0.0010 | 101 | 70 | 130 | | | |
| Sodium | | 51.2 | mg/L | 1.0 | 93 | 70 | 130 | | | |
| Uranium | | 2.49 | mg/L | 0.00030 | | 70 | 130 | | | A |
| Vanadium | | 0.0455 | mg/L | 0.0010 | 90 | 70 | 130 | | | |
| Sample ID: C11100040-023BMSD 13 Sample Matrix Spike Duplicate | | | | | | | | | | |
| | | | | | | Run: ICPMS4-C_111103A | | 11/04/11 05:33 | | |
| Arsenic | | 0.0605 | mg/L | 0.0010 | 118 | 70 | 130 | 11 | 20 | |
| Calcium | | 540 | mg/L | 1.0 | | 70 | 130 | 3.1 | 20 | A |
| Copper | | 0.0567 | mg/L | 0.010 | 102 | 70 | 130 | 10 | 20 | |
| Lead | | 0.0503 | mg/L | 0.050 | 94 | 70 | 130 | 0.8 | 20 | |
| Magnesium | | 84.3 | mg/L | 1.0 | | 70 | 130 | 1.0 | 20 | A |
| Manganese | | 7.88 | mg/L | 0.010 | | 70 | 130 | 16 | 20 | A |
| Mercury | | 0.00562 | mg/L | 0.0010 | 112 | 70 | 130 | 11 | 20 | |
| Nickel | | 0.108 | mg/L | 0.050 | 105 | 70 | 130 | 6.8 | 20 | |
| Potassium | | 22.9 | mg/L | 1.0 | 113 | 70 | 130 | 8.2 | 20 | |
| Selenium | | 0.0677 | mg/L | 0.0010 | 102 | 70 | 130 | 0.6 | 20 | |
| Sodium | | 52.4 | mg/L | 1.0 | 102 | 70 | 130 | 2.1 | 20 | |
| Uranium | | 2.11 | mg/L | 0.00030 | | 70 | 130 | 17 | 20 | A |
| Vanadium | | 0.0511 | mg/L | 0.0010 | 102 | 70 | 130 | 12 | 20 | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 11/11/11

Project: Marsland Baseline Private Well Samples

Work Order: C11091177

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|---|-------|---|-------|------|------|--------------------|------------|-------------------------------|----------------|----------------|
| Method: E300.0 | | | | | | | | Analytical Run: IC2-C_111007A | | |
| Sample ID: ICV100711-10 | 2 | Initial Calibration Verification Standard | | | | | | | | 10/07/11 18:38 |
| Chloride | | 10.0 | mg/L | 1.0 | 100 | 90 | 110 | | | |
| Sulfate | | 40.8 | mg/L | 1.0 | 102 | 90 | 110 | | | |
| Sample ID: ICB2100711-12 | 2 | Initial Calibration Blank, Instrument Blank | | | | | | | | 10/07/11 19:05 |
| Chloride | | -0.0170 | mg/L | 1.0 | | 0 | 0 | | | |
| Sulfate | | 0.268 | mg/L | 1.0 | | 0 | 0 | | | |
| Method: E300.0 | | | | | | | | Batch: R151722 | | |
| Sample ID: ICB100711-11 | 2 | Method Blank | | | | Run: IC2-C_111007A | | | 10/07/11 18:52 | |
| Chloride | | ND | mg/L | 0.10 | | | | | | |
| Sulfate | | 0.3 | mg/L | 0.08 | | | | | | |
| Sample ID: LFB100711-13 | 2 | Laboratory Fortified Blank | | | | Run: IC2-C_111007A | | | 10/07/11 19:18 | |
| Chloride | | 9.99 | mg/L | 1.0 | 100 | 90 | 110 | | | |
| Sulfate | | 40.7 | mg/L | 1.0 | 101 | 90 | 110 | | | |
| Sample ID: LFBD100711-14 | 2 | Laboratory Fortified Blank Duplicate | | | | Run: IC2-C_111007A | | | 10/07/11 19:32 | |
| Chloride | | 10.0 | mg/L | 1.0 | 100 | 90 | 110 | 0.3 | 10 | |
| Sulfate | | 40.8 | mg/L | 1.0 | 101 | 90 | 110 | 0.3 | 10 | |
| Sample ID: C11091170-001AMS | 2 | Sample Matrix Spike | | | | Run: IC2-C_111007A | | | 10/09/11 05:05 | |
| Chloride | | 56.2 | mg/L | 1.0 | 99 | 90 | 110 | | | |
| Sulfate | | 626 | mg/L | 4.0 | 89 | 90 | 110 | | | S |
| - Matrix spike recoveries outside the acceptance range are considered matrix-related. | | | | | | | | | | |
| Sample ID: C11091170-001AMSD | 2 | Sample Matrix Spike Duplicate | | | | Run: IC2-C_111007A | | | 10/09/11 05:18 | |
| Chloride | | 56.2 | mg/L | 1.0 | 99 | 90 | 110 | 0.1 | 10 | |
| Sulfate | | 624 | mg/L | 4.0 | 88 | 90 | 110 | 0.4 | 10 | S |
| - Matrix spike recoveries outside the acceptance range are considered matrix-related. | | | | | | | | | | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Project: Marsland Baseline Private Well Samples

Report Date: 11/11/11

Work Order: C11091177

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|------|------|-----------|------------------------|-----|----------|----------------|
| Method: E353.2 | | | | | | | | | | Batch: R152322 |
| Sample ID: MBLK-1 | | Method Blank | | | | | Run: TECHNICON_111021C | | | 10/21/11 21:03 |
| Nitrogen, Nitrate+Nitrite as N | | ND | mg/L | 0.06 | | | | | | |
| Sample ID: LCS-2 | | Laboratory Control Sample | | | | | Run: TECHNICON_111021C | | | 10/21/11 21:05 |
| Nitrogen, Nitrate+Nitrite as N | | 2.47 | mg/L | 0.10 | 99 | 90 | 110 | | | |
| Sample ID: LFB-3 | | Laboratory Fortified Blank | | | | | Run: TECHNICON_111021C | | | 10/21/11 21:08 |
| Nitrogen, Nitrate+Nitrite as N | | 2.01 | mg/L | 0.10 | 103 | 90 | 110 | | | |
| Sample ID: C11091093-011DMS | | Sample Matrix Spike | | | | | Run: TECHNICON_111021C | | | 10/21/11 23:00 |
| Nitrogen, Nitrate+Nitrite as N | | 2.01 | mg/L | 0.10 | 103 | 90 | 110 | | | |
| Sample ID: C11091093-011DMSD | | Sample Matrix Spike Duplicate | | | | | Run: TECHNICON_111021C | | | 10/21/11 23:03 |
| Nitrogen, Nitrate+Nitrite as N | | 2.07 | mg/L | 0.10 | 106 | 90 | 110 | 2.9 | 10 | |

Qualifiers:

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MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 11/11/11

Project: Marsland Baseline Private Well Samples

Work Order: C11091177

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|------------------------------|-------------------------------|--------------|------------|-----------------------------|------|-----------|----------------|------|-------------------|------|
| Method: E903.0 | | | | | | | | | Batch: RA226-5655 | |
| Sample ID: C11091177-001DMS | Sample Matrix Spike | | | Run: BERTHOLD 770-2_111007A | | | 10/17/11 17:31 | | | |
| Radium 226 | 11 | pCi/L | | 85 | 70 | 130 | | | | |
| Sample ID: C11091177-001DMSD | Sample Matrix Spike Duplicate | | | Run: BERTHOLD 770-2_111007A | | | 10/17/11 17:31 | | | |
| Radium 226 | 12 | pCi/L | | 95 | 70 | 130 | 11 | 25.7 | | |
| Sample ID: MB-RA226-5655 | 3 | Method Blank | | Run: BERTHOLD 770-2_111007A | | | 10/17/11 22:00 | | | |
| Radium 226 | | 0.04 | pCi/L | | | | U | | | |
| Radium 226 precision (±) | | 0.08 | pCi/L | | | | | | | |
| Radium 226 MDC | | 0.1 | pCi/L | | | | | | | |
| Sample ID: LCS-RA226-5655 | Laboratory Control Sample | | | Run: BERTHOLD 770-2_111007A | | | 10/17/11 22:00 | | | |
| Radium 226 | 5.2 | pCi/L | | 82 | 80 | 120 | | | | |
| Method: E903.0 | | | | | | | | | Batch: 31450 | |
| Sample ID: C11100135-002AMS | Sample Matrix Spike | | | Run: BERTHOLD 770-2_111010A | | | 10/18/11 00:00 | | | |
| Radium 226 | 38.0 | pCi/Filter | | 97 | 70 | 130 | | | | |
| Sample ID: C11100135-002AMSD | Sample Matrix Spike Duplicate | | | Run: BERTHOLD 770-2_111010A | | | 10/18/11 00:00 | | | |
| Radium 226 | 42.0 | pCi/Filter | | 106 | 70 | 130 | 10 | 26.5 | | |
| Sample ID: LCS-31450 | Laboratory Control Sample | | | Run: BERTHOLD 770-2_111010A | | | 10/18/11 01:38 | | | |
| Radium 226 | 11.7 | pCi/Filter | | 100 | 70 | 130 | | | | |
| Sample ID: MB-31450 | 3 | Method Blank | | Run: BERTHOLD 770-2_111010A | | | 10/18/11 01:38 | | | |
| Radium 226 | | -0.1 | pCi/Filter | | | | U | | | |
| Radium 226 precision (±) | | 0.1 | pCi/Filter | | | | | | | |
| Radium 226 MDC | | 0.3 | pCi/Filter | | | | | | | |

Qualifiers:

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MDC - Minimum detectable concentration

U - Not detected at minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Project: Marsland Baseline Private Well Samples

Report Date: 11/11/11

Work Order: C11091177

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------|-------------------------------|--------------|------------|----|------|--------------------------|------------|-----------------------|----------|------|
| Method: E908.0 | | | | | | | | Batch: RA-TH-ISO-1504 | | |
| Sample ID: LCS-RA-TH-ISO-1504 | Laboratory Control Sample | | | | | Run: ALPHANALYST_111031A | | 11/04/11 08:39 | | |
| Thorium 230 | | 6.5 | pCi/L | | 114 | 70 | 130 | | | |
| Sample ID: C11091177-001DMS | Sample Matrix Spike | | | | | Run: ALPHANALYST_111031A | | 11/04/11 08:40 | | |
| Thorium 230 | | 12 | pCi/L | | 103 | 70 | 130 | | | |
| Sample ID: C11091177-001DMSD | Sample Matrix Spike Duplicate | | | | | Run: ALPHANALYST_111031A | | 11/04/11 08:40 | | |
| Thorium 230 | | 10 | pCi/L | | 89 | 70 | 130 | 13 | 38.7 | |
| Sample ID: MB-RA-TH-ISO-1504 | 3 | Method Blank | | | | Run: ALPHANALYST_111031A | | 11/04/11 08:40 | | |
| Thorium 230 | | 0.03 | pCi/L | | | | | | | U |
| Thorium 230 precision (±) | | 0.07 | pCi/L | | | | | | | |
| Thorium 230 MDC | | 0.2 | pCi/L | | | | | | | |
| Method: E908.0 | | | | | | | | Batch: R153032 | | |
| Sample ID: LCS-31450 | Laboratory Control Sample | | | | | Run: ALPHANALYST_111101A | | 11/04/11 13:16 | | |
| Thorium 230 | | 10.3 | pCi/Filter | | 104 | 70 | 130 | | | |
| Sample ID: MB-31450 | 3 | Method Blank | | | | Run: ALPHANALYST_111101A | | 11/04/11 13:16 | | |
| Thorium 230 | | 0.2 | pCi/Filter | | | | | | | |
| Thorium 230 precision (±) | | 0.1 | pCi/Filter | | | | | | | |
| Thorium 230 MDC | | 0.1 | pCi/Filter | | | | | | | |
| Sample ID: C11100045-001AMS | Sample Matrix Spike | | | | | Run: ALPHANALYST_111101A | | 11/04/11 13:16 | | |
| Thorium 230 | | 46.8 | pCi/Filter | | 94 | 70 | 130 | | | |
| Sample ID: C11100045-001AMSD | Sample Matrix Spike Duplicate | | | | | Run: ALPHANALYST_111101A | | 11/04/11 13:16 | | |
| Thorium 230 | | 49.9 | pCi/Filter | | 101 | 70 | 130 | 6.5 | 31.9 | |

Qualifiers:

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MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 11/11/11

Project: Marsland Baseline Private Well Samples

Work Order: C11091177

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|------------|----|------|-----------------|------------|----------------------|----------|----------------|
| Method: E909.0 | | | | | | | | Batch: T_PB-210-0162 | | |
| Sample ID: T11090087-002BDUP | 3 | Sample Duplicate | | | | Run: SUB-T42612 | | | | 10/18/11 18:40 |
| Lead 210 | | -0.29 | pCi/L | | | | | 18 | 291 | U |
| Lead 210 precision (±) | | 0.47 | pCi/L | | | | | | | |
| Lead 210 MDC | | 0.79 | pCi/L | | | | | | | |
| Sample ID: MB-PB-210-0162 | 3 | Method Blank | | | | Run: SUB-T42612 | | | | 10/17/11 19:20 |
| Lead 210 | | 0.2 | pCi/L | | | | | | | U |
| Lead 210 precision (±) | | 0.4 | pCi/L | | | | | | | |
| Lead 210 MDC | | 0.7 | pCi/L | | | | | | | |
| Sample ID: LCS-PB-210-0162 | | Laboratory Control Sample | | | | Run: SUB-T42612 | | | | 10/17/11 22:40 |
| Lead 210 | | 46 | pCi/L | | 87 | 70 | 130 | | | |
| Sample ID: T11100011-008AMS | | Sample Matrix Spike | | | | Run: SUB-T42612 | | | | 10/18/11 05:20 |
| Lead 210 | | 9.37 | pCi/g-dry | | 93 | 70 | 130 | | | |
| Sample ID: T11100011-008AMSD | | Sample Matrix Spike Duplicate | | | | Run: SUB-T42612 | | | | 10/18/11 08:40 |
| Lead 210 | | 9.25 | pCi/g-dry | | 93 | 70 | 130 | 1.2 | 13.2 | |
| Method: E909.0 | | | | | | | | Batch: T_15019 | | |
| Sample ID: T11100041-003AMSD | | Sample Matrix Spike Duplicate | | | | Run: SUB-T42695 | | | | 10/29/11 12:21 |
| Lead 210 | | 1190 | pCi/Filter | | 89 | 70 | 130 | 7.1 | 13.4 | |
| Sample ID: T11100041-003AMS | | Sample Matrix Spike | | | | Run: SUB-T42695 | | | | 10/29/11 10:06 |
| Lead 210 | | 1270 | pCi/Filter | | 96 | 70 | 130 | | | |
| Sample ID: LCS-15019 | | Laboratory Control Sample | | | | Run: SUB-T42695 | | | | 10/28/11 22:53 |
| Lead 210 | | 516 | pCi/Filter | | 92 | 70 | 130 | | | |
| Sample ID: MB-15019 | 3 | Method Blank | | | | Run: SUB-T42695 | | | | 10/28/11 20:38 |
| Lead 210 | | 0.09 | pCi/Filter | | | | | | | U |
| Lead 210 precision (±) | | 4 | pCi/Filter | | | | | | | |
| Lead 210 MDC | | 7 | pCi/Filter | | | | | | | |

Qualifiers:

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ND - Not detected at the reporting limit.

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U - Not detected at minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 11/11/11

Project: Marsland Baseline Private Well Samples

Work Order: C11091177

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|------------------------------|-------------------------------|--------------|-------|----|------|------------------------|------------|-----|-------------------|------|
| Method: E912.0 | | | | | | | | | Batch: PO210-0401 | |
| Sample ID: C11090862-008DMS | Sample Matrix Spike | | | | | Run: EGG-ORTEC_111005B | | | 10/14/11 13:27 | |
| Polonium 210 | | 9.9 | pCi/L | | 79 | 70 | 130 | | | |
| Sample ID: C11090862-008DMSD | Sample Matrix Spike Duplicate | | | | | Run: EGG-ORTEC_111005B | | | 10/14/11 13:27 | |
| Polonium 210 | | 13 | pCi/L | | 103 | 70 | 130 | 27 | 72.7 | |
| Sample ID: MB-PO210-0401 | 3 | Method Blank | | | | Run: EGG-ORTEC_111005B | | | 10/17/11 10:59 | |
| Polonium 210 | | 0.03 | pCi/L | | | | | | | U |
| Polonium 210 precision (±) | | 0.2 | pCi/L | | | | | | | |
| Polonium 210 MDC | | 0.4 | pCi/L | | | | | | | |
| Sample ID: LCS-PO210-0401 | Laboratory Control Sample | | | | | Run: EGG-ORTEC_111005B | | | 10/17/11 10:59 | |
| Polonium 210 | | 6.4 | pCi/L | | 101 | 70 | 130 | | | |
| Method: E912.0 | | | | | | | | | Batch: R152619 | |
| Sample ID: C11091005-002DMS | Sample Matrix Spike | | | | | Run: EGG-ORTEC_111019B | | | 10/28/11 16:56 | |
| Polonium 210 | | 5.5 | pCi/L | | 99 | 70 | 130 | | | |
| Sample ID: C11091005-002DMSD | Sample Matrix Spike Duplicate | | | | | Run: EGG-ORTEC_111019B | | | 10/28/11 16:56 | |
| Polonium 210 | | 4.5 | pCi/L | | 78 | 70 | 130 | 22 | 63.3 | |
| Sample ID: LCS-31331 | Laboratory Control Sample | | | | | Run: EGG-ORTEC_111019B | | | 10/28/11 16:56 | |
| Polonium 210 | | 27 | pCi/L | | 90 | 70 | 130 | | | |
| Sample ID: MB-31331 | 3 | Method Blank | | | | Run: EGG-ORTEC_111019B | | | 10/28/11 16:56 | |
| Polonium 210 | | ND | pCi/L | | | | | | | U |
| Polonium 210 precision (±) | | 0.7 | pCi/L | | | | | | | |
| Polonium 210 MDC | | 2 | pCi/L | | | | | | | |

Qualifiers:

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MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



Workorder Receipt Checklist



C11091177

Login completed by: Edith McPike
Reviewed by: BL2000\cwagner
Reviewed Date: 10/5/2011

Date Received: 9/30/2011

Received by: kg

Carrier NDA
name:

| | | | |
|---|---|-----------------------------|---|
| Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| All samples received within holding time? (Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.) | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |

Container/Temp Blank temperature: 10.8°C Melted Ice

| | | | |
|--|---|-----------------------------|--|
| Water - VOA vials have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | No VOA vials submitted <input checked="" type="checkbox"/> |
| Water - pH acceptable upon receipt? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Applicable <input type="checkbox"/> |

Contact and Corrective Action Comments:

Samples filtered and preserved as necessary per requested analysis.



Chain of Custody and Analytical Request Record

Page 1 of 1

PLEASE PRINT- Provide as much information as possible.

| | | | | | | | | | | | | | | | |
|---|--|--|---|---------------------------|----------------------------|-------------------------|----------------------------|---|---|-------------------------------|----------------------------|--|---|---|--|
| Company Name: Crow Butte Resources, Inc. | | | Project Name Marland Baseline Private Well Samples | | | Sample Origin State: | | EPA/State Compliance: Yes <input type="checkbox"/> No <input type="checkbox"/> | | | | | | | |
| Report Mail Address: P.O. Box 169 Crawford, NE 69339 | | | Contact Name: Larry Teahon | | Phone/Fax: 308-665-2341 | | Email: daxmynus@msn.com | | Sampler: (Please Print) Brooke Bass Rhonda Pelton | | | | | | |
| Invoice Address: P.O. Box 169 Crawford, NE 69339 | | | Invoice Contact & Phone: Larry Teahon 308-665-2215 ext 114 | | | Purchase Order: 1125 | | Quote/Bottle Order: | | | | | | | |
| Special Report/Formats – ELI must be notified prior to sample submittal for the following: <input type="checkbox"/> DW <input type="checkbox"/> A2LA <input type="checkbox"/> GSA <input type="checkbox"/> EDD/EDT (Electronic Data) <input type="checkbox"/> POTW/WWTP <input type="checkbox"/> Format: _____ <input type="checkbox"/> State: _____ <input type="checkbox"/> LEVEL IV <input type="checkbox"/> Other: _____ <input type="checkbox"/> NELAC | | | Number of Containers Sample Type: A W S V B O Air Water Solids/Solids Vegetation Bioassay Other | ANALYSIS REQUESTED | | | | | | | | RUSH Normal Turnaround (TAT) SEE ATTACHED | Contact ELI prior to RUSH sample submittal for charges and scheduling – See Instruction Page | Shipped by: DPS NDA | |
| | | | | | | | | | | | | | | Cooler ID(s): client | |
| SAMPLE IDENTIFICATION (Name, Location, Interval, etc.) | | | Collection Date | Collection Time | MATRIX | HNO3-F, Metals | RAW-F, Common Ions | RAW-UF, Alkalinity | H2SO4-F, NO2, NO3, NH4 | Raw-UF, Ra226, Po210 dis, sus | Raw-UF, Pb210 dis and sus | Raw-UF, Th230, U-nat dis and sus | Comments: NDEQ parameters for baseline sampling. Report on separate sheets. Analyze as per WDEQ Guideline 8 and NRC Reg. Guide 4.14 requirements. Record U as mg/L and µCi/ml and radiometrics as pCi/L. | Receipt Temp 10.8 °C | |
| | | | | | | | | | | | | | | On Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |
| | | | | | | | | | | | | | Please Report 11/05/11 | Custody Seal <input checked="" type="checkbox"/> Y <input type="checkbox"/> N | |
| | | | | | | | | | | | | | | Intact <input type="checkbox"/> Y <input checked="" type="checkbox"/> N | |
| | | | | | | | | | | | | | | Signature <input type="checkbox"/> Y <input checked="" type="checkbox"/> N | |
| | | | | | | | | | | | | | | Match <input type="checkbox"/> Y <input checked="" type="checkbox"/> N | |
| | | | | | | | | | | | | | | LABORATORY USE ONLY | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | 9/10/09/1177 | |
| | | | | | | | | | | | | | | | |
| Custody Record MUST be Signed | | | Relinquished by (print): Brooke Bass | | Date/Time: 9/29/11 | | Signature: Brooke Bass | | Received by (print): | | Date/Time: | | Signature: | | |
| | | | Relinquished by (print): | | Date/Time: | | Signature: | | Received by (print): | | Date/Time: | | Signature: | | |
| | | | Sample Disposal: Return to Client: No | | Lab Disposal: YES | | Received by Laboratory: | | Date/Time: 9/30/11 9:30 | | Signature: Kris G. Jase | | | | |
| | | | | | | | | | | | | | | | |

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report. Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.

CROW BUTTE RESOURCES, INC.
CROW BUTTE PROJECTNo 2DATE: 9-29-11ANALYST: ht

STANDARD CURVE DATA

| | | | | | | | |
|-----|----|--|------|------|------|--|--|
| | BL | | 0.01 | .05 | .10 | | |
| Abs | 0 | | .033 | .164 | .320 | | |
| Abs | | | | | | | |

| SAMPLE # | VOLUME | Df | Abs | No 2 ml/L |
|-----------|--------|----|------|-----------|
| 1 725 | 10ml | 1 | .002 | 40.01 |
| 2 725 Dup | 10ml | 1 | .001 | 40.01 |
| 3 | | | | |
| 4 | | | | |
| 5 | | | | |
| Dup | | | | |
| 6 | | | | |
| 7 | | | | |
| 8 | | | | |
| 9 | | | | |
| 10 | | | | |
| Dup | | | | |
| 11 | | | | |
| 12 | | | | |
| 13 | | | | |
| 14 | | | | |
| 15 | | | | |
| Dup | | | | |
| 16 | | | | |
| 17 | | | | |
| 18 | | | | |
| 19 | | | | |
| 20 | | | | |
| Dup | | | | |
| 21 | | | | |
| 22 | | | | |
| 23 | | | | |
| 24 | | | | |
| 25 | | | | |
| Dup | | | | |

ANALYTICAL SUMMARY REPORT

February 28, 2012

Crow Butte Resources
86 Crow Butte Rd
Crawford, NE 69339

Workorder No.: C11120623

Quote ID: C1125 - Crow Butte Uranium

Project Name: Marsland Baseline Private Well Samples

Energy Laboratories, Inc. Casper WY received the following 6 samples for Crow Butte Resources on 12/20/2011 for analysis.

| Sample ID | Client Sample ID | Collect Date | Receive Date | Matrix | Test |
|---------------|------------------|---------------|--------------|---------|--|
| C11120623-001 | Well #727 | 12/15/11 0:00 | 12/20/11 | Aqueous | Metals by ICP/ICPMS, Dissolved Alkalinity QA Calculations Conductivity Fluoride E300.0 Anions Uranium, Suspended Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Digestion, Total Metals Lead 210, Dissolved Lead 210, Suspended Polonium 210, Dissolved Polonium 210, Suspended Radium 226, Dissolved Radium 226, Suspended Thorium, Isotopic Thorium, Suspended Isotopic Solids, Total Dissolved |
| C11120623-002 | Well #759 | 12/15/11 0:00 | 12/20/11 | Aqueous | Same As Above |
| C11120623-003 | Well #703 | 12/15/11 0:00 | 12/20/11 | Aqueous | Same As Above |
| C11120623-004 | Well #741 | 12/15/11 0:00 | 12/20/11 | Aqueous | Same As Above |
| C11120623-005 | Well #745 | 12/15/11 0:00 | 12/20/11 | Aqueous | Same As Above |
| C11120623-006 | Well #725 | 12/16/11 0:00 | 12/20/11 | Aqueous | Same As Above |

The analyses presented in this report were performed at Energy Laboratories, Inc., 2393 Salt Creek Hwy., Casper, WY 82601, unless otherwise noted. Radiochemistry analyses were performed at Energy Laboratories, Inc., 2325 Kerzell Lane, Casper, WY 82601, unless otherwise noted. Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

The results as reported relate only to the item(s) submitted for testing. Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. Data corrected for moisture content are typically noted as - dry on the report. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

If you have any questions regarding these test results, please call.

Report Approved By:

CLIENT: Crow Butte Resources
Project: Marsland Baseline Private Well Samples
Sample Delivery Group: C11120623

Report Date: 02/28/12

CASE NARRATIVE

pH COMMENTS

Per NELAC rule, pH is considered a field parameter with a holding time of 15 minutes. Due to this rule, all pH analyses will be flagged with an H.

BRANCH LABORATORY SUBCONTRACT ANALYSIS

Tests associated with analyst identified as ELI-CS were subcontracted to Energy Laboratories, 415 Graham Rd., College Station, TX, EPA Number TX01520.

RADIOCHEMISTRY ANALYSIS

Per client request, results less than MDC (or precision if no MDC), are reported as <MDC (or <precision). Actual instrument results are available by request.

ORIGINAL SAMPLE SUBMITTAL(S)

All original sample submittals have been returned with the data package.

SAMPLE TEMPERATURE COMPLIANCE: 4°C (±2°C)

Temperature of samples received may not be considered properly preserved by accepted standards. Samples that are hand delivered immediately after collection shall be considered acceptable if there is evidence that the chilling process has begun.

GROSS ALPHA ANALYSIS

Method 900.0 for gross alpha and gross beta is intended as a drinking water method for low TDS waters. Data provided by this method for non potable waters should be viewed as inconsistent.

SOIL/SOLID SAMPLES

All samples reported on an as received basis unless otherwise indicated.

SUBCONTRACTING ANALYSIS

Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.

BRANCH LABORATORY LOCATIONS

eli-b - Energy Laboratories, Inc. - Billings, MT
eli-g - Energy Laboratories, Inc. - Gillette, WY
eli-h - Energy Laboratories, Inc. - Helena, MT
eli-r - Energy Laboratories, Inc. - Rapid City, SD
eli-t - Energy Laboratories, Inc. - College Station, TX

CERTIFICATIONS:

USEPA: WY00002; FL-DOH NELAC: E87641; California: 02118CA
Oregon: WY200001; Utah: 3072350515; Virginia: 00057; Washington: C1903

ISO 17025 DISCLAIMER:

The results of this Analytical Report relate only to the items submitted for analysis.

ENERGY LABORATORIES, INC. - CASPER, WY certifies that certain method selections contained in this report meet requirements as set forth by the above accrediting authorities. Some results requested by the client may not be covered under these certifications. All analysis data to be submitted for regulatory enforcement should be certified in the sample state of origin. Please verify ELI's certification coverage by visiting www.energylab.com

ELI appreciates the opportunity to provide you with this analytical service. For additional information and services visit our web page www.energylab.com.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Private Well Samples
Lab ID: C11120623-001
Client Sample ID: Well #727

Report Date: 02/28/12
Collection Date: 12/15/11
Date Received: 12/20/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 146 | mg/L | | 1 | | A2320 B | 12/20/11 18:46 / jba |
| Carbonate as CO ₃ | ND | mg/L | | 1 | | A2320 B | 12/20/11 18:46 / jba |
| Bicarbonate as HCO ₃ | 178 | mg/L | | 1 | | A2320 B | 12/20/11 18:46 / jba |
| Calcium | 34 | mg/L | | 1 | | E200.8 | 12/30/11 18:34 / sml |
| Chloride | 5 | mg/L | | 1 | | E300.0 | 12/28/11 04:02 / ljl |
| Fluoride | 0.5 | mg/L | | 0.1 | | A4500-F C | 12/22/11 11:45 / jba |
| Magnesium | 13 | mg/L | | 1 | | E200.8 | 12/30/11 18:34 / sml |
| Nitrogen, Ammonia as N | ND | mg/L | | 0.05 | | A4500-NH ₃ G | 12/22/11 12:14 / dc |
| Nitrogen, Nitrate+Nitrite as N | 1.6 | mg/L | | 0.1 | | E353.2 | 12/21/11 13:10 / dc |
| Potassium | 4 | mg/L | | 1 | | E200.8 | 12/30/11 18:34 / sml |
| Silica | 83 | mg/L | D | 1 | | E200.7 | 01/12/12 18:06 / cp |
| Sodium | 19 | mg/L | | 1 | | E200.8 | 12/30/11 18:34 / sml |
| Sulfate | 8 | mg/L | | 1 | | E300.0 | 12/28/11 04:02 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 344 | umhos/cm | | 1 | | A2510 B | 12/20/11 16:57 / wc |
| pH | 7.73 | s.u. | H | 0.01 | | A4500-H B | 12/21/11 10:27 / wc |
| Solids, Total Dissolved TDS @ 180 C | 229 | mg/L | | 10 | | A2540 C | 12/20/11 16:54 / wc |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.8 | 12/30/11 18:34 / sml |
| Arsenic | 0.002 | mg/L | | 0.001 | | E200.8 | 12/30/11 18:34 / sml |
| Barium | ND | mg/L | | 0.1 | | E200.8 | 12/30/11 18:34 / sml |
| Boron | ND | mg/L | | 0.1 | | E200.8 | 12/30/11 18:34 / sml |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 12/30/11 18:34 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 12/30/11 18:34 / sml |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 12/30/11 18:34 / sml |
| Iron | 0.03 | mg/L | | 0.03 | | E200.8 | 12/30/11 18:34 / sml |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 12/30/11 18:34 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 12/30/11 18:34 / sml |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 12/30/11 18:34 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.7 | 01/13/12 00:22 / cp |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 12/30/11 18:34 / sml |
| Selenium | 0.002 | mg/L | | 0.001 | | E200.8 | 12/30/11 18:34 / sml |
| Uranium | 0.0080 | mg/L | | 0.0003 | | E200.8 | 12/30/11 18:34 / sml |
| Uranium, Activity | 5.4E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 12/30/11 18:34 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 12/30/11 18:34 / sml |
| Zinc | 0.49 | mg/L | | 0.01 | | E200.8 | 12/30/11 18:34 / sml |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 12/27/11 19:10 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 12/27/11 19:10 / sml |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
H - Analysis performed past recommended holding time.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Private Well Samples
Lab ID: C11120623-001
Client Sample ID: Well #727

Report Date: 02/28/12
Collection Date: 12/15/11
Date Received: 12/20/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|-----|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 01/01/12 01:11 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 01/01/12 01:11 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 01/01/12 01:11 / eli-cs |
| Polonium 210 | <0.7 | pCi/L | U | 0.7 | | E912.0 | 01/27/12 08:27 / plj |
| Polonium 210 precision (±) | 0.4 | pCi/L | | | | E912.0 | 01/27/12 08:27 / plj |
| Polonium 210 MDC | 0.7 | pCi/L | | | | E912.0 | 01/27/12 08:27 / plj |
| Radium 226 | 1.8 | pCi/L | | 0.1 | | E903.0 | 01/03/12 11:35 / js |
| Radium 226 precision (±) | 0.2 | pCi/L | | | | E903.0 | 01/03/12 11:35 / js |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 01/03/12 11:35 / js |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 01/03/12 13:19 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 01/03/12 13:19 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 01/03/12 13:19 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 01/07/12 10:00 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 01/07/12 10:00 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 01/07/12 10:00 / eli-cs |
| Polonium 210 | <0.6 | pCi/L | U | 0.6 | | E912.0 | 02/23/12 13:35 / ep |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 02/23/12 13:35 / ep |
| Polonium 210 MDC | 0.6 | pCi/L | | | | E912.0 | 02/23/12 13:35 / ep |
| Radium 226 | <0.1 | pCi/L | U | 0.1 | | E903.0 | 01/09/12 12:58 / trs |
| Radium 226 precision (±) | 0.05 | pCi/L | | | | E903.0 | 01/09/12 12:58 / trs |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 01/09/12 12:58 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 01/06/12 08:42 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 01/06/12 08:42 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 01/06/12 08:42 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 5.25 | % | | | | Calculation | 01/04/12 14:55 / kbh |
| Anions | 3.37 | meq/L | | | | Calculation | 01/04/12 14:55 / kbh |
| Cations | 3.74 | meq/L | | | | Calculation | 01/04/12 14:55 / kbh |
| Solids, Total Dissolved Calculated | 179 | mg/L | | | | Calculation | 01/04/12 14:55 / kbh |
| TDS Balance (0.80 - 1.20) | 1.28 | | | | | Calculation | 01/04/12 14:55 / kbh |

- The ion balance is not appropriate for samples having a conductivity less than 300 umhos/cm.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Private Well Samples
Lab ID: C11120623-002
Client Sample ID: Well #759

Report Date: 02/28/12
Collection Date: 12/15/11
Date Received: 12/20/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 140 | mg/L | | 1 | | A2320 B | 12/20/11 18:54 / jba |
| Carbonate as CO ₃ | ND | mg/L | | 1 | | A2320 B | 12/20/11 18:54 / jba |
| Bicarbonate as HCO ₃ | 170 | mg/L | | 1 | | A2320 B | 12/20/11 18:54 / jba |
| Calcium | 32 | mg/L | | 1 | | E200.8 | 12/21/11 22:53 / sml |
| Chloride | 2 | mg/L | | 1 | | E300.0 | 12/28/11 04:15 / ljl |
| Fluoride | 0.6 | mg/L | | 0.1 | | A4500-F C | 12/22/11 11:56 / jba |
| Magnesium | 6 | mg/L | | 1 | | E200.8 | 12/30/11 18:41 / sml |
| Nitrogen, Ammonia as N | ND | mg/L | | 0.05 | | A4500-NH ₃ G | 12/22/11 12:16 / dc |
| Nitrogen, Nitrate+Nitrite as N | 0.8 | mg/L | | 0.1 | | E353.2 | 12/21/11 13:13 / dc |
| Potassium | 5 | mg/L | | 1 | | E200.8 | 12/21/11 22:53 / sml |
| Silica | 71.9 | mg/L | | 0.2 | | E200.7 | 01/12/12 18:18 / cp |
| Sodium | 25 | mg/L | | 1 | | E200.8 | 12/30/11 18:41 / sml |
| Sulfate | 7 | mg/L | | 1 | | E300.0 | 12/28/11 04:15 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 307 | umhos/cm | | 1 | | A2510 B | 12/20/11 17:00 / wc |
| pH | 7.76 | s.u. | H | 0.01 | | A4500-H B | 12/21/11 10:30 / wc |
| Solids, Total Dissolved TDS @ 180 C | 203 | mg/L | | 10 | | A2540 C | 12/20/11 16:54 / wc |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.8 | 12/30/11 18:41 / sml |
| Arsenic | 0.003 | mg/L | | 0.001 | | E200.8 | 12/21/11 22:53 / sml |
| Barium | 0.1 | mg/L | | 0.1 | | E200.8 | 12/30/11 18:41 / sml |
| Boron | ND | mg/L | | 0.1 | | E200.8 | 12/30/11 18:41 / sml |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 12/30/11 18:41 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 12/21/11 22:53 / sml |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 12/21/11 22:53 / sml |
| Iron | ND | mg/L | | 0.03 | | E200.8 | 12/30/11 18:41 / sml |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 12/21/11 22:53 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 12/30/11 18:41 / sml |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 12/30/11 18:41 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.7 | 01/12/12 18:18 / cp |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 12/21/11 22:53 / sml |
| Selenium | ND | mg/L | | 0.001 | | E200.8 | 12/30/11 18:41 / sml |
| Uranium | 0.0049 | mg/L | | 0.0003 | | E200.8 | 12/30/11 18:41 / sml |
| Uranium, Activity | 3.3E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 12/30/11 18:41 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 12/21/11 22:53 / sml |
| Zinc | 0.10 | mg/L | | 0.01 | | E200.8 | 12/21/11 22:53 / sml |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 12/27/11 19:12 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 12/27/11 19:12 / sml |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
H - Analysis performed past recommended holding time.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Private Well Samples
Lab ID: C11120623-002
Client Sample ID: Well #759

Report Date: 02/28/12
Collection Date: 12/15/11
Date Received: 12/20/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|-----|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 01/01/12 06:42 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 01/01/12 06:42 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 01/01/12 06:42 / eli-cs |
| Polonium 210 | <0.6 | pCi/L | U | 0.6 | | E912.0 | 01/27/12 08:27 / plj |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 01/27/12 08:27 / plj |
| Polonium 210 MDC | 0.6 | pCi/L | | | | E912.0 | 01/27/12 08:27 / plj |
| Radium 226 | 1.0 | pCi/L | | 0.1 | | E903.0 | 01/03/12 11:35 / js |
| Radium 226 precision (±) | 0.2 | pCi/L | | | | E903.0 | 01/03/12 11:35 / js |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 01/03/12 11:35 / js |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 01/03/12 13:19 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 01/03/12 13:19 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 01/03/12 13:19 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 01/07/12 12:05 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 01/07/12 12:05 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 01/07/12 12:05 / eli-cs |
| Polonium 210 | <0.5 | pCi/L | U | 0.5 | | E912.0 | 02/23/12 13:35 / ep |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 02/23/12 13:35 / ep |
| Polonium 210 MDC | 0.5 | pCi/L | | | | E912.0 | 02/23/12 13:35 / ep |
| Radium 226 | <0.1 | pCi/L | U | 0.1 | | E903.0 | 01/09/12 12:58 / trs |
| Radium 226 precision (±) | 0.04 | pCi/L | | | | E903.0 | 01/09/12 12:58 / trs |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 01/09/12 12:58 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 01/06/12 08:42 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 01/06/12 08:42 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 01/06/12 08:42 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 4.27 | % | | | | Calculation | 01/04/12 08:42 / kbh |
| Anions | 3.08 | meq/L | | | | Calculation | 01/04/12 08:42 / kbh |
| Cations | 3.35 | meq/L | | | | Calculation | 01/04/12 08:42 / kbh |
| Solids, Total Dissolved Calculated | 166 | mg/L | | | | Calculation | 01/04/12 08:42 / kbh |
| TDS Balance (0.80 - 1.20) | 1.22 | | | | | Calculation | 01/04/12 08:42 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Private Well Samples
Lab ID: C11120623-003
Client Sample ID: Well #703

Report Date: 02/28/12
Collection Date: 12/15/11
Date Received: 12/20/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 144 | mg/L | | 1 | | A2320 B | 12/20/11 19:02 / jba |
| Carbonate as CO ₃ | ND | mg/L | | 1 | | A2320 B | 12/20/11 19:02 / jba |
| Bicarbonate as HCO ₃ | 176 | mg/L | | 1 | | A2320 B | 12/20/11 19:02 / jba |
| Calcium | 42 | mg/L | | 1 | | E200.8 | 12/30/11 18:48 / sml |
| Chloride | 3 | mg/L | | 1 | | E300.0 | 12/28/11 09:35 / ljl |
| Fluoride | 0.5 | mg/L | | 0.1 | | A4500-F C | 12/22/11 11:59 / jba |
| Magnesium | 8 | mg/L | | 1 | | E200.8 | 12/30/11 18:48 / sml |
| Nitrogen, Ammonia as N | ND | mg/L | | 0.05 | | A4500-NH ₃ G | 12/22/11 12:18 / dc |
| Nitrogen, Nitrate+Nitrite as N | 1.7 | mg/L | | 0.1 | | E353.2 | 12/21/11 13:15 / dc |
| Potassium | 3 | mg/L | | 1 | | E200.8 | 12/30/11 18:48 / sml |
| Silica | 65.7 | mg/L | | 0.2 | | E200.7 | 01/12/12 18:26 / cp |
| Sodium | 16 | mg/L | | 1 | | E200.8 | 12/30/11 18:48 / sml |
| Sulfate | 7 | mg/L | | 1 | | E300.0 | 12/28/11 09:35 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 325 | umhos/cm | | 1 | | A2510 B | 12/20/11 17:02 / wc |
| pH | 7.79 | s.u. | H | 0.01 | | A4500-H B | 12/21/11 10:34 / wc |
| Solids, Total Dissolved TDS @ 180 C | 208 | mg/L | | 10 | | A2540 C | 12/20/11 16:54 / wc |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.8 | 12/30/11 18:48 / sml |
| Arsenic | 0.004 | mg/L | | 0.001 | | E200.8 | 12/30/11 18:48 / sml |
| Barium | 0.1 | mg/L | | 0.1 | | E200.8 | 12/30/11 18:48 / sml |
| Boron | ND | mg/L | | 0.1 | | E200.8 | 12/30/11 18:48 / sml |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 12/30/11 18:48 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 12/30/11 18:48 / sml |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 12/30/11 18:48 / sml |
| Iron | ND | mg/L | | 0.03 | | E200.8 | 12/30/11 18:48 / sml |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 12/21/11 23:20 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 12/30/11 18:48 / sml |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 12/30/11 18:48 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.7 | 01/12/12 18:26 / cp |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 12/30/11 18:48 / sml |
| Selenium | 0.001 | mg/L | | 0.001 | | E200.8 | 12/30/11 18:48 / sml |
| Uranium | 0.0040 | mg/L | | 0.0003 | | E200.8 | 12/30/11 18:48 / sml |
| Uranium, Activity | 2.7E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 12/30/11 18:48 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 12/30/11 18:48 / sml |
| Zinc | 0.11 | mg/L | | 0.01 | | E200.8 | 12/30/11 18:48 / sml |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 12/27/11 19:21 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 12/27/11 19:21 / sml |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
H - Analysis performed past recommended holding time.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Private Well Samples
Lab ID: C11120623-003
Client Sample ID: Well #703

Report Date: 02/28/12
Collection Date: 12/15/11
Date Received: 12/20/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|-----|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 01/01/12 12:13 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 01/01/12 12:13 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 01/01/12 12:13 / eli-cs |
| Polonium 210 | <0.5 | pCi/L | U | 0.5 | | E912.0 | 01/27/12 08:27 / plj |
| Polonium 210 precision (±) | 0.4 | pCi/L | | | | E912.0 | 01/27/12 08:27 / plj |
| Polonium 210 MDC | 0.5 | pCi/L | | | | E912.0 | 01/27/12 08:27 / plj |
| Radium 226 | 0.5 | pCi/L | | 0.1 | | E903.0 | 01/03/12 11:35 / js |
| Radium 226 precision (±) | 0.1 | pCi/L | | | | E903.0 | 01/03/12 11:35 / js |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 01/03/12 11:35 / js |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 01/03/12 13:19 / dmf |
| Thorium 230 precision (±) | 0.08 | pCi/L | | | | E908.0 | 01/03/12 13:19 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 01/03/12 13:19 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 01/07/12 14:10 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 01/07/12 14:10 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 01/07/12 14:10 / eli-cs |
| Polonium 210 | <0.5 | pCi/L | U | 0.5 | | E912.0 | 02/23/12 13:35 / ep |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 02/23/12 13:35 / ep |
| Polonium 210 MDC | 0.5 | pCi/L | | | | E912.0 | 02/23/12 13:35 / ep |
| Radium 226 | <0.1 | pCi/L | U | 0.1 | | E903.0 | 01/09/12 12:58 / trs |
| Radium 226 precision (±) | 0.07 | pCi/L | | | | E903.0 | 01/09/12 12:58 / trs |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 01/09/12 12:58 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 01/06/12 08:42 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 01/06/12 08:42 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 01/06/12 08:42 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 3.88 | % | | | | Calculation | 01/04/12 08:42 / kbh |
| Anions | 3.25 | meq/L | | | | Calculation | 01/04/12 08:42 / kbh |
| Cations | 3.51 | meq/L | | | | Calculation | 01/04/12 08:42 / kbh |
| Solids, Total Dissolved Calculated | 173 | mg/L | | | | Calculation | 01/04/12 08:42 / kbh |
| TDS Balance (0.80 - 1.20) | 1.20 | | | | | Calculation | 01/04/12 08:42 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Private Well Samples
Lab ID: C11120623-004
Client Sample ID: Well #741

Report Date: 02/28/12
Collection Date: 12/15/11
Date Received: 12/20/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 173 | mg/L | | 1 | | A2320 B | 12/20/11 19:09 / jba |
| Carbonate as CO ₃ | ND | mg/L | | 1 | | A2320 B | 12/20/11 19:09 / jba |
| Bicarbonate as HCO ₃ | 211 | mg/L | | 1 | | A2320 B | 12/20/11 19:09 / jba |
| Calcium | 49 | mg/L | | 1 | | E200.8 | 12/30/11 18:55 / sml |
| Chloride | 5 | mg/L | | 1 | | E300.0 | 12/28/11 10:15 / ljl |
| Fluoride | 0.6 | mg/L | | 0.1 | | A4500-F C | 12/22/11 12:06 / jba |
| Magnesium | 9 | mg/L | | 1 | | E200.8 | 12/30/11 18:55 / sml |
| Nitrogen, Ammonia as N | ND | mg/L | | 0.05 | | A4500-NH ₃ G | 12/22/11 12:20 / dc |
| Nitrogen, Nitrate+Nitrite as N | 3.1 | mg/L | | 0.1 | | E353.2 | 12/21/11 13:18 / dc |
| Potassium | 5 | mg/L | | 1 | | E200.8 | 12/30/11 18:55 / sml |
| Silica | 64.4 | mg/L | | 0.2 | | E200.7 | 01/12/12 18:30 / cp |
| Sodium | 26 | mg/L | | 1 | | E200.8 | 12/30/11 18:55 / sml |
| Sulfate | 12 | mg/L | | 1 | | E300.0 | 12/28/11 10:15 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 327 | umhos/cm | | 1 | | A2510 B | 12/21/11 10:40 / wc |
| pH | 7.86 | s.u. | H | 0.01 | | A4500-H B | 12/21/11 10:40 / wc |
| Solids, Total Dissolved TDS @ 180 C | 259 | mg/L | | 10 | | A2540 C | 12/20/11 16:54 / wc |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.8 | 12/30/11 18:55 / sml |
| Arsenic | 0.006 | mg/L | | 0.001 | | E200.8 | 12/30/11 18:55 / sml |
| Barium | 0.1 | mg/L | | 0.1 | | E200.8 | 12/30/11 18:55 / sml |
| Boron | ND | mg/L | | 0.1 | | E200.8 | 12/30/11 18:55 / sml |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 12/30/11 18:55 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 12/30/11 18:55 / sml |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 12/30/11 18:55 / sml |
| Iron | ND | mg/L | | 0.03 | | E200.8 | 12/30/11 18:55 / sml |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 12/21/11 23:27 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 12/30/11 18:55 / sml |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 12/30/11 18:55 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.7 | 01/12/12 18:30 / cp |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 12/30/11 18:55 / sml |
| Selenium | 0.002 | mg/L | | 0.001 | | E200.8 | 12/21/11 23:27 / sml |
| Uranium | 0.0057 | mg/L | | 0.0003 | | E200.8 | 12/30/11 18:55 / sml |
| Uranium, Activity | 3.9E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 12/30/11 18:55 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 12/30/11 18:55 / sml |
| Zinc | 0.02 | mg/L | | 0.01 | | E200.8 | 12/30/11 18:55 / sml |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 12/27/11 19:23 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 12/27/11 19:23 / sml |

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
H - Analysis performed past recommended holding time.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Private Well Samples
Lab ID: C11120623-004
Client Sample ID: Well #741

Report Date: 02/28/12
Collection Date: 12/15/11
Date Received: 12/20/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|-----|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 01/01/12 17:44 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 01/01/12 17:44 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 01/01/12 17:44 / eli-cs |
| Polonium 210 | 1.7 | pCi/L | | 1.3 | | E912.0 | 02/02/12 08:46 / plj |
| Polonium 210 precision (±) | 1.5 | pCi/L | | | | E912.0 | 02/02/12 08:46 / plj |
| Polonium 210 MDC | 1.3 | pCi/L | | | | E912.0 | 02/02/12 08:46 / plj |
| Radium 226 | 0.5 | pCi/L | | 0.1 | | E903.0 | 01/03/12 11:35 / js |
| Radium 226 precision (±) | 0.1 | pCi/L | | | | E903.0 | 01/03/12 11:35 / js |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 01/03/12 11:35 / js |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 01/03/12 13:19 / dmf |
| Thorium 230 precision (±) | 0.05 | pCi/L | | | | E908.0 | 01/03/12 13:19 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 01/03/12 13:19 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 01/07/12 16:15 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 01/07/12 16:15 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 01/07/12 16:15 / eli-cs |
| Polonium 210 | <0.6 | pCi/L | U | 0.6 | | E912.0 | 02/23/12 13:35 / ep |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 02/23/12 13:35 / ep |
| Polonium 210 MDC | 0.6 | pCi/L | | | | E912.0 | 02/23/12 13:35 / ep |
| Radium 226 | <0.1 | pCi/L | U | 0.1 | | E903.0 | 01/09/12 12:58 / trs |
| Radium 226 precision (±) | 0.08 | pCi/L | | | | E903.0 | 01/09/12 12:58 / trs |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 01/09/12 12:58 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 01/06/12 08:42 / dmf |
| Thorium 230 precision (±) | 0.05 | pCi/L | | | | E908.0 | 01/06/12 08:42 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 01/06/12 08:42 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 3.69 | % | | | | Calculation | 01/04/12 08:42 / kbh |
| Anions | 4.10 | meq/L | | | | Calculation | 01/04/12 08:42 / kbh |
| Cations | 4.42 | meq/L | | | | Calculation | 01/04/12 08:42 / kbh |
| Solids, Total Dissolved Calculated | 224 | mg/L | | | | Calculation | 01/04/12 08:42 / kbh |
| TDS Balance (0.80 - 1.20) | 1.16 | | | | | Calculation | 01/04/12 08:42 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Private Well Samples
Lab ID: C11120623-005
Client Sample ID: Well #745

Report Date: 02/28/12
Collection Date: 12/15/11
Date Received: 12/20/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 164 | mg/L | | 1 | | A2320 B | 12/20/11 19:17 / jba |
| Carbonate as CO ₃ | ND | mg/L | | 1 | | A2320 B | 12/20/11 19:17 / jba |
| Bicarbonate as HCO ₃ | 200 | mg/L | | 1 | | A2320 B | 12/20/11 19:17 / jba |
| Calcium | 61 | mg/L | | 1 | | E200.8 | 12/22/11 00:02 / sml |
| Chloride | 4 | mg/L | | 1 | | E300.0 | 12/28/11 10:28 / lji |
| Fluoride | 0.4 | mg/L | | 0.1 | | A4500-F C | 12/22/11 12:13 / jba |
| Magnesium | 11 | mg/L | | 1 | | E200.8 | 12/22/11 00:02 / sml |
| Nitrogen, Ammonia as N | ND | mg/L | | 0.05 | | A4500-NH ₃ G | 12/22/11 12:22 / dc |
| Nitrogen, Nitrate+Nitrite as N | 5.0 | mg/L | | 0.1 | | E353.2 | 12/21/11 13:20 / dc |
| Potassium | 2 | mg/L | | 1 | | E200.8 | 12/22/11 00:02 / sml |
| Silica | 67.2 | mg/L | | 0.2 | | E200.7 | 01/12/12 18:34 / cp |
| Sodium | 8 | mg/L | | 1 | | E200.8 | 12/22/11 00:02 / sml |
| Sulfate | 16 | mg/L | | 1 | | E300.0 | 12/28/11 10:28 / lji |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 327 | umhos/cm | | 1 | | A2510 B | 12/21/11 10:45 / wc |
| pH | 7.79 | s.u. | H | 0.01 | | A4500-H B | 12/21/11 10:45 / wc |
| Solids, Total Dissolved TDS @ 180 C | 292 | mg/L | | 10 | | A2540 C | 12/20/11 16:54 / wc |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.8 | 12/30/11 19:30 / sml |
| Arsenic | 0.003 | mg/L | | 0.001 | | E200.8 | 12/22/11 00:02 / sml |
| Barium | ND | mg/L | | 0.1 | | E200.8 | 12/30/11 19:30 / sml |
| Boron | ND | mg/L | | 0.1 | | E200.8 | 12/30/11 19:30 / sml |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 12/30/11 19:30 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 12/22/11 00:02 / sml |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 12/22/11 00:02 / sml |
| Iron | ND | mg/L | | 0.03 | | E200.8 | 12/30/11 19:30 / sml |
| Lead | 0.002 | mg/L | | 0.001 | | E200.8 | 12/22/11 00:02 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 12/22/11 00:02 / sml |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 12/30/11 19:30 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.7 | 01/12/12 18:34 / cp |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 12/22/11 00:02 / sml |
| Selenium | 0.002 | mg/L | | 0.001 | | E200.8 | 12/22/11 00:02 / sml |
| Uranium | 0.0165 | mg/L | | 0.0003 | | E200.8 | 12/30/11 19:30 / sml |
| Uranium, Activity | 1.1E-08 | uCi/mL | | 2.0E-10 | | E200.8 | 12/30/11 19:30 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 12/22/11 00:02 / sml |
| Zinc | 0.72 | mg/L | | 0.01 | | E200.8 | 12/22/11 00:02 / sml |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 12/27/11 19:24 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 12/27/11 19:24 / sml |

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
H - Analysis performed past recommended holding time.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Private Well Samples
Lab ID: C11120623-005
Client Sample ID: Well #745

Report Date: 02/28/12
Collection Date: 12/15/11
Date Received: 12/20/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|-----|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 01/01/12 23:15 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 01/01/12 23:15 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 01/01/12 23:15 / eli-cs |
| Polonium 210 | <1.0 | pCi/L | U | 1.0 | | E912.0 | 01/27/12 08:27 / plj |
| Polonium 210 precision (±) | 0.5 | pCi/L | | | | E912.0 | 01/27/12 08:27 / plj |
| Polonium 210 MDC | 1.0 | pCi/L | | | | E912.0 | 01/27/12 08:27 / plj |
| Radium 226 | 0.4 | pCi/L | | 0.1 | | E903.0 | 01/03/12 11:35 / js |
| Radium 226 precision (±) | 0.1 | pCi/L | | | | E903.0 | 01/03/12 11:35 / js |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 01/03/12 11:35 / js |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 01/03/12 13:19 / dmf |
| Thorium 230 precision (±) | 0.05 | pCi/L | | | | E908.0 | 01/03/12 13:19 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 01/03/12 13:19 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 01/07/12 18:20 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 01/07/12 18:20 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 01/07/12 18:20 / eli-cs |
| Polonium 210 | <0.5 | pCi/L | U | 0.5 | | E912.0 | 02/23/12 13:35 / ep |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 02/23/12 13:35 / ep |
| Polonium 210 MDC | 0.5 | pCi/L | | | | E912.0 | 02/23/12 13:35 / ep |
| Radium 226 | <0.1 | pCi/L | U | 0.1 | | E903.0 | 01/09/12 12:58 / trs |
| Radium 226 precision (±) | 0.05 | pCi/L | | | | E903.0 | 01/09/12 12:58 / trs |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 01/09/12 12:58 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 01/06/12 08:42 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 01/06/12 08:42 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 01/06/12 08:42 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 3.13 | % | | | | Calculation | 01/04/12 08:42 / kbh |
| Anions | 4.10 | meq/L | | | | Calculation | 01/04/12 08:42 / kbh |
| Cations | 4.36 | meq/L | | | | Calculation | 01/04/12 08:42 / kbh |
| Solids, Total Dissolved Calculated | 223 | mg/L | | | | Calculation | 01/04/12 08:42 / kbh |
| TDS Balance (0.80 - 1.20) | 1.31 | | | | | Calculation | 01/04/12 08:42 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Private Well Samples
Lab ID: C11120623-006
Client Sample ID: Well #725

Report Date: 02/28/12
Collection Date: 12/16/11
Date Received: 12/20/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 141 | mg/L | | 1 | | A2320 B | 12/20/11 19:25 / jba |
| Carbonate as CO ₃ | ND | mg/L | | 1 | | A2320 B | 12/20/11 19:25 / jba |
| Bicarbonate as HCO ₃ | 172 | mg/L | | 1 | | A2320 B | 12/20/11 19:25 / jba |
| Calcium | 33 | mg/L | | 1 | | E200.8 | 12/22/11 00:09 / sml |
| Chloride | 2 | mg/L | | 1 | | E300.0 | 12/28/11 10:42 / ljl |
| Fluoride | 0.7 | mg/L | | 0.1 | | A4500-F C | 12/22/11 12:16 / jba |
| Magnesium | 6 | mg/L | | 1 | | E200.8 | 12/22/11 00:09 / sml |
| Nitrogen, Ammonia as N | ND | mg/L | | 0.05 | | A4500-NH ₃ G | 12/22/11 12:24 / dc |
| Nitrogen, Nitrate+Nitrite as N | 0.7 | mg/L | | 0.1 | | E353.2 | 12/21/11 13:23 / dc |
| Potassium | 4 | mg/L | | 1 | | E200.8 | 12/22/11 00:09 / sml |
| Silica | 68.4 | mg/L | | 0.2 | | E200.7 | 01/12/12 18:38 / cp |
| Sodium | 31 | mg/L | | 1 | | E200.8 | 12/22/11 00:09 / sml |
| Sulfate | 16 | mg/L | | 1 | | E300.0 | 12/28/11 10:42 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 241 | umhos/cm | | 1 | | A2510 B | 12/21/11 10:48 / wc |
| pH | 7.95 | s.u. | H | 0.01 | | A4500-H B | 12/21/11 10:48 / wc |
| Solids, Total Dissolved TDS @ 180 C | 234 | mg/L | | 10 | | A2540 C | 12/20/11 16:55 / wc |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.8 | 12/30/11 19:37 / sml |
| Arsenic | 0.004 | mg/L | | 0.001 | | E200.8 | 12/22/11 00:09 / sml |
| Barium | ND | mg/L | | 0.1 | | E200.8 | 12/22/11 00:09 / sml |
| Boron | ND | mg/L | | 0.1 | | E200.8 | 12/30/11 19:37 / sml |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 12/22/11 00:09 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 12/22/11 00:09 / sml |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 12/22/11 00:09 / sml |
| Iron | 0.06 | mg/L | | 0.03 | | E200.8 | 12/30/11 19:37 / sml |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 12/22/11 00:09 / sml |
| Manganese | 0.01 | mg/L | | 0.01 | | E200.8 | 12/22/11 00:09 / sml |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 12/30/11 19:37 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.7 | 01/12/12 18:38 / cp |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 12/22/11 00:09 / sml |
| Selenium | ND | mg/L | | 0.001 | | E200.8 | 12/22/11 00:09 / sml |
| Uranium | 0.0057 | mg/L | | 0.0003 | | E200.8 | 12/30/11 19:37 / sml |
| Uranium, Activity | 3.8E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 12/30/11 19:37 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 12/22/11 00:09 / sml |
| Zinc | 0.24 | mg/L | | 0.01 | | E200.8 | 12/22/11 00:09 / sml |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 12/27/11 19:26 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 12/27/11 19:26 / sml |

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
H - Analysis performed past recommended holding time.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Private Well Samples
Lab ID: C11120623-006
Client Sample ID: Well #725

Report Date: 02/28/12
Collection Date: 12/16/11
Date Received: 12/20/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|-----|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 01/02/12 04:46 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 01/02/12 04:46 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 01/02/12 04:46 / eli-cs |
| Polonium 210 | <0.5 | pCi/L | U | 0.5 | | E912.0 | 01/27/12 08:27 / plj |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 01/27/12 08:27 / plj |
| Polonium 210 MDC | 0.5 | pCi/L | | | | E912.0 | 01/27/12 08:27 / plj |
| Radium 226 | <0.1 | pCi/L | U | 0.1 | | E903.0 | 01/03/12 11:35 / js |
| Radium 226 precision (±) | 0.09 | pCi/L | | | | E903.0 | 01/03/12 11:35 / js |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 01/03/12 11:35 / js |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 01/04/12 12:18 / dmf |
| Thorium 230 precision (±) | 0.08 | pCi/L | | | | E908.0 | 01/04/12 12:18 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 01/04/12 12:18 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.9 | pCi/L | U | 0.9 | | E909.0 | 01/07/12 20:25 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 01/07/12 20:25 / eli-cs |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 01/07/12 20:25 / eli-cs |
| Polonium 210 | <0.6 | pCi/L | U | 0.6 | | E912.0 | 02/23/12 13:35 / ep |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 02/23/12 13:35 / ep |
| Polonium 210 MDC | 0.6 | pCi/L | | | | E912.0 | 02/23/12 13:35 / ep |
| Radium 226 | <0.1 | pCi/L | U | 0.1 | | E903.0 | 01/09/12 12:58 / trs |
| Radium 226 precision (±) | 0.05 | pCi/L | | | | E903.0 | 01/09/12 12:58 / trs |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 01/09/12 12:58 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 01/06/12 08:42 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 01/06/12 08:42 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 01/06/12 08:42 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 4.47 | % | | | | Calculation | 01/04/12 08:42 / kbh |
| Anions | 3.30 | meq/L | | | | Calculation | 01/04/12 08:42 / kbh |
| Cations | 3.61 | meq/L | | | | Calculation | 01/04/12 08:42 / kbh |
| Solids, Total Dissolved Calculated | 181 | mg/L | | | | Calculation | 01/04/12 08:42 / kbh |
| TDS Balance (0.80 - 1.20) | 1.29 | | | | | Calculation | 01/04/12 08:42 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 02/28/12

Project: Marsland Baseline Private Well Samples

Work Order: C11120623

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|--|-------|---------------------------|-------|-----|------|----------------------|------------|-----|----------|----------------|
| Method: A2320 B | | | | | | | | | | Batch: R154609 |
| Sample ID: MBLK | 3 | Method Blank | | | | Run: MANTECH_111220A | | | | 12/20/11 16:01 |
| Alkalinity, Total as CaCO ₃ | | 3 | mg/L | 2 | | | | | | |
| Carbonate as CO ₃ | | ND | mg/L | 1 | | | | | | |
| Bicarbonate as HCO ₃ | | 4 | mg/L | 1 | | | | | | |
| Sample ID: LCS-6465 | | Laboratory Control Sample | | | | Run: MANTECH_111220A | | | | 12/20/11 16:17 |
| Alkalinity, Total as CaCO ₃ | | 193 | mg/L | 5.0 | 95 | 90 | 110 | | | |
| Sample ID: C11120626-001ADUP | 3 | Sample Duplicate | | | | Run: MANTECH_111220A | | | | 12/20/11 20:27 |
| Alkalinity, Total as CaCO ₃ | | 3640 | mg/L | 5.0 | | | | 0.2 | 10 | |
| Carbonate as CO ₃ | | ND | mg/L | 5.0 | | | | | 10 | |
| Bicarbonate as HCO ₃ | | 4440 | mg/L | 5.0 | | | | 0.2 | 10 | |
| Sample ID: C11120636-001AMS | | Sample Matrix Spike | | | | Run: MANTECH_111220A | | | | 12/20/11 20:44 |
| Alkalinity, Total as CaCO ₃ | | 584 | mg/L | 5.0 | 91 | 80 | 120 | | | |

Qualifiers:

RL - Analyte reporting limit.

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MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 02/28/12

Project: Marsland Baseline Private Well Samples

Work Order: C11120623

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|---|----------|-----|------|-----------|------------|------------------------------------|----------|----------------|
| Method: A2510 B | | | | | | | | Analytical Run: ORION555A_111221A | | |
| Sample ID: ICV2_111221_1 | | Initial Calibration Verification Standard | | | | | | | | 12/21/11 10:12 |
| Conductivity @ 25 C | | 1480 | umhos/cm | 1.0 | 105 | 90 | 110 | | | |
| Method: A2510 B | | | | | | | | Batch: 111221_1_PH-W_555A-1 | | |
| Sample ID: MBLK1_111221_1 | | Method Blank | | | | | | | | 12/21/11 10:04 |
| Conductivity @ 25 C | | 0.6 | umhos/cm | 0.2 | | | | | | |
| Sample ID: C11120626-001ADUP | | | | | | | | Run: ORION555A_111221A | | |
| Conductivity @ 25 C | | 10300 | umhos/cm | 1.0 | | | | 0.3 | 10 | 12/21/11 10:52 |
| Method: A2510 B | | | | | | | | Analytical Run: PHSC_101-C_111220B | | |
| Sample ID: ICV2_111220_1 | | Initial Calibration Verification Standard | | | | | | | | 12/20/11 16:47 |
| Conductivity @ 25 C | | 1420 | umhos/cm | 1.0 | 100 | 90 | 110 | | | |
| Method: A2510 B | | | | | | | | Batch: R154653 | | |
| Sample ID: MBLK1_111220_1 | | Method Blank | | | | | | | | 12/20/11 16:42 |
| Conductivity @ 25 C | | 2 | umhos/cm | 0.2 | | | | | | |
| Sample ID: C11120670-001ADUP | | | | | | | | Run: PHSC_101-C_111220B | | |
| Conductivity @ 25 C | | 1580 | umhos/cm | 1.0 | | | | 0.0 | 10 | 12/21/11 14:10 |

Qualifiers:

RL - Analyte reporting limit.

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MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 02/28/12

Project: Marsland Baseline Private Well Samples

Work Order: C11120623

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|---|-------|--------------------|-------|----|------|-----------|------------|-----|----------|----------------------------|
| Method: A2540 C | | | | | | | | | | Batch: 111220_1_SLDS-TDS-W |
| Sample ID: MBLK1_111220 | | | | | | | | | | |
| Method Blank | | Run: BAL-1_111222A | | | | | | | | |
| Solids, Total Dissolved TDS @ 180 C | ND | mg/L | 4 | | | | | | | 12/20/11 16:50 |
| Sample ID: LCS1_111220 | | | | | | | | | | |
| Laboratory Control Sample | | Run: BAL-1_111222A | | | | | | | | |
| Solids, Total Dissolved TDS @ 180 C | 1650 | mg/L | 10 | 99 | 90 | 110 | | | | 12/20/11 16:50 |
| Sample ID: C11120476-001ADUP | | | | | | | | | | |
| Sample Duplicate | | Run: BAL-1_111222A | | | | | | | | |
| Solids, Total Dissolved TDS @ 180 C | 1080 | mg/L | 10 | | | | | 0.2 | 5 | 12/20/11 16:51 |
| Sample ID: C11120623-001AMS | | | | | | | | | | |
| Sample Matrix Spike | | Run: BAL-1_111222A | | | | | | | | |
| Solids, Total Dissolved TDS @ 180 C | 780 | mg/L | 10 | 28 | 90 | 110 | | | | 12/20/11 16:54 S |
| - Matrix spike recoveries outside the acceptance range are considered matrix-related. | | | | | | | | | | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 02/28/12

Project: Marsland Baseline Private Well Samples

Work Order: C11120623

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|-------|------|-----------|----------------------|-----|----------|----------------|
| Method: A4500-F C | | | | | | | | | | Batch: R154719 |
| Sample ID: MBLK | | Method Blank | | | | | Run: MANTECH_111222B | | | 12/22/11 11:17 |
| Fluoride | | ND | mg/L | 0.008 | | | | | | |
| Sample ID: LCS-6622 | | Laboratory Control Sample | | | | | Run: MANTECH_111222B | | | 12/22/11 11:21 |
| Fluoride | | 2.00 | mg/L | 0.10 | 100 | 90 | 110 | | | |
| Sample ID: C11120623-001BMS | | Sample Matrix Spike | | | | | Run: MANTECH_111222B | | | 12/22/11 11:47 |
| Fluoride | | 2.39 | mg/L | 0.10 | 96 | 80 | 120 | | | |
| Sample ID: C11120623-001BMSD | | Sample Matrix Spike Duplicate | | | | | Run: MANTECH_111222B | | | 12/22/11 11:51 |
| Fluoride | | 2.43 | mg/L | 0.10 | 98 | 80 | 120 | 1.7 | 10 | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 02/28/12

Project: Marsland Baseline Private Well Samples

Work Order: C11120623

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|---|-------|-------|------|-----------|------------|-----------------------------------|----------|---------------------------------------|
| Method: A4500-H B | | | | | | | | Analytical Run: ORION555A_111221A | | |
| Sample ID: ICV1_111221_1 | | Initial Calibration Verification Standard | | | | | | | | 12/21/11 10:06 |
| pH | | 6.94 | s.u. | 0.010 | 101 | 98 | 102 | | | |
| Method: A4500-H B | | | | | | | | Batch: 111221_1_PH-W_555A-1 | | |
| Sample ID: C11120626-001ADUP | | Sample Duplicate | | | | | | | | Run: ORION555A_111221A 12/21/11 10:52 |
| pH | | 7.87 | s.u. | 0.010 | | | | 2.4 | 3 | |

Qualifiers:

RL - Analyte reporting limit.

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MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 02/28/12

Project: Marsland Baseline Private Well Samples

Work Order: C11120623

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|-------|------|-----------|------------------------|-----|----------|----------------|
| Method: A4500-NH3 G | | | | | | | | | | Batch: R154713 |
| Sample ID: MBLK-1 | | Method Blank | | | | | Run: TECHNICON_111222A | | | 12/22/11 11:56 |
| Nitrogen, Ammonia as N | | ND | mg/L | 0.02 | | | | | | |
| Sample ID: LCS-2 | | Laboratory Control Sample | | | | | Run: TECHNICON_111222A | | | 12/22/11 11:58 |
| Nitrogen, Ammonia as N | | 2.06 | mg/L | 0.050 | 103 | 90 | 110 | | | |
| Sample ID: LFB-3 | | Laboratory Fortified Blank | | | | | Run: TECHNICON_111222A | | | 12/22/11 12:00 |
| Nitrogen, Ammonia as N | | 2.01 | mg/L | 0.050 | 103 | 80 | 120 | | | |
| Sample ID: C11120636-001DMS | | Sample Matrix Spike | | | | | Run: TECHNICON_111222A | | | 12/22/11 12:32 |
| Nitrogen, Ammonia as N | | 2.09 | mg/L | 0.050 | 100 | 90 | 110 | | | |
| Sample ID: C11120636-001DMSD | | Sample Matrix Spike Duplicate | | | | | Run: TECHNICON_111222A | | | 12/22/11 12:34 |
| Nitrogen, Ammonia as N | | 2.14 | mg/L | 0.050 | 103 | 90 | 110 | 2.4 | 10 | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 02/28/12

Project: Marsland Baseline Private Well Samples

Work Order: C11120623

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|---|-------|-------|------|-----------|------------|--------------------------------|----------|----------------|
| Method: E200.7 | | | | | | | | Analytical Run: ICP2-C_120112A | | |
| Sample ID: ICV | 2 | Initial Calibration Verification Standard | | | | | | | | 01/12/12 16:08 |
| Molybdenum | | 0.983 | mg/L | 0.10 | 98 | 95 | 105 | | | |
| Silicon | | 10.4 | mg/L | 0.10 | 104 | 95 | 105 | | | |
| Sample ID: ICSA | 2 | Interference Check Sample A | | | | | | | | 01/12/12 16:37 |
| Molybdenum | | -0.0158 | mg/L | 0.10 | | | | | | |
| Silicon | | 0.0116 | mg/L | 0.10 | | | | | | |
| Sample ID: ICSAB | 2 | Interference Check Sample AB | | | | | | | | 01/12/12 16:41 |
| Molybdenum | | -0.0141 | mg/L | 0.10 | | | | | | |
| Silicon | | 0.00850 | mg/L | 0.10 | | | | | | |
| Method: E200.7 | | | | | | | | Batch: R155341 | | |
| Sample ID: MB-120111A | 2 | Method Blank | | | | | | | | 01/12/12 17:01 |
| Molybdenum | | 0.001 | mg/L | 0.001 | | | | | | |
| Silicon | | 0.02 | mg/L | 0.007 | | | | | | |
| Sample ID: LFB-120111A | 2 | Laboratory Fortified Blank | | | | | | | | 01/12/12 17:05 |
| Molybdenum | | 0.926 | mg/L | 0.10 | 92 | 85 | 115 | | | |
| Silicon | | 0.428 | mg/L | 0.10 | 91 | 85 | 115 | | | |
| Sample ID: C11120623-001CMS2 | 2 | Sample Matrix Spike | | | | | | | | 01/12/12 18:10 |
| Molybdenum | | 92.4 | mg/L | 0.12 | 90 | 70 | 130 | | | |
| Silicon | | 77.3 | mg/L | 0.67 | 94 | 70 | 130 | | | |
| Sample ID: C11120623-001CMSD | 2 | Sample Matrix Spike Duplicate | | | | | | | | 01/12/12 18:14 |
| Molybdenum | | 93.9 | mg/L | 0.12 | 92 | 70 | 130 | 1.6 | 20 | |
| Silicon | | 78.4 | mg/L | 0.67 | 97 | 70 | 130 | 1.4 | 20 | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 02/28/12

Project: Marsland Baseline Private Well Samples

Work Order: C11120623

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|---|-------|---------|-------|---------|------|-----------|------------|-----|----------|----------------------------------|
| Method: E200.8 | | | | | | | | | | Analytical Run: ICPMS2-C_111227A |
| Sample ID: ICV | | | | | | | | | | 12/27/11 11:15 |
| Initial Calibration Verification Standard | | | | | | | | | | |
| Uranium | | 0.0507 | mg/L | 0.00030 | 101 | 90 | 110 | | | |
| Method: E200.8 | | | | | | | | | | Batch: 32280 |
| Sample ID: MB-32280 | | | | | | | | | | 12/27/11 19:05 |
| Method Blank | | | | | | | | | | Run: ICPMS2-C_111227A |
| Uranium | | 9E-05 | mg/L | 6E-05 | | | | | | |
| Sample ID: LCS2-32201 | | | | | | | | | | 12/27/11 19:06 |
| Laboratory Control Sample | | | | | | | | | | Run: ICPMS2-C_111227A |
| Uranium | | 0.0950 | mg/L | 0.00030 | 95 | 85 | 115 | | | |
| Sample ID: C11120623-006HMS | | | | | | | | | | 12/27/11 19:28 |
| Sample Matrix Spike | | | | | | | | | | Run: ICPMS2-C_111227A |
| Uranium | | 0.00269 | mg/L | 0.00030 | 57 | 70 | 130 | | | S |
| Sample ID: C11120623-006HMSD | | | | | | | | | | 12/27/11 19:30 |
| Sample Matrix Spike Duplicate | | | | | | | | | | Run: ICPMS2-C_111227A |
| Uranium | | 0.00715 | mg/L | 0.00030 | 158 | 70 | 130 | 91 | 20 | SR |

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

S - Spike recovery outside of advisory limits.

ND - Not detected at the reporting limit.

R - RPD exceeds advisory limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 02/28/12

Project: Marsland Baseline Private Well Samples

Work Order: C11120623

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-----------------------|-------|--|-------|--------|------|-----------|------------|-----|----------|----------------|
| Method: E200.8 | | Analytical Run: ICPMS4-C_111221A | | | | | | | | |
| Sample ID: ICV | | 15 Initial Calibration Verification Standard | | | | | | | | 12/21/11 11:54 |
| Arsenic | | 0.0490 | mg/L | 0.0010 | 98 | 90 | 110 | | | |
| Barium | | 0.0476 | mg/L | 0.0010 | 95 | 90 | 110 | | | |
| Cadmium | | 0.0484 | mg/L | 0.0010 | 97 | 90 | 110 | | | |
| Calcium | | 9.63 | mg/L | 0.0066 | 96 | 90 | 110 | | | |
| Chromium | | 0.0493 | mg/L | 0.0010 | 99 | 90 | 110 | | | |
| Copper | | 0.0503 | mg/L | 0.0010 | 101 | 90 | 110 | | | |
| Lead | | 0.0481 | mg/L | 0.0010 | 96 | 90 | 110 | | | |
| Magnesium | | 9.66 | mg/L | 0.0027 | 97 | 90 | 110 | | | |
| Manganese | | 0.0478 | mg/L | 0.0010 | 96 | 90 | 110 | | | |
| Nickel | | 0.0494 | mg/L | 0.0010 | 99 | 90 | 110 | | | |
| Potassium | | 9.64 | mg/L | 0.0041 | 96 | 90 | 110 | | | |
| Selenium | | 0.0494 | mg/L | 0.0010 | 99 | 90 | 110 | | | |
| Sodium | | 9.32 | mg/L | 0.0043 | 93 | 90 | 110 | | | |
| Vanadium | | 0.0501 | mg/L | 0.0010 | 100 | 90 | 110 | | | |
| Zinc | | 0.0502 | mg/L | 0.0010 | 100 | 90 | 110 | | | |

| | | | | | | | | | | |
|-------------------------------------|--|------------------------|------|--------|-----|----|-----|--|--|---|
| Method: E200.8 | | Batch: R154680A | | | | | | | | |
| Sample ID: C11120623-002CMS4 | | 15 Sample Matrix Spike | | | | | | | | Run: ICPMS4-C_111221A 12/21/11 23:00 |
| Arsenic | | 0.0559 | mg/L | 0.0010 | 105 | 70 | 130 | | | |
| Barium | | 0.195 | mg/L | 0.10 | 108 | 70 | 130 | | | |
| Cadmium | | 0.0517 | mg/L | 0.010 | 103 | 70 | 130 | | | |
| Calcium | | 44.9 | mg/L | 1.0 | 100 | 70 | 130 | | | |
| Chromium | | 0.0547 | mg/L | 0.050 | 109 | 70 | 130 | | | |
| Copper | | 0.0560 | mg/L | 0.010 | 111 | 70 | 130 | | | |
| Lead | | 0.0545 | mg/L | 0.050 | 109 | 70 | 130 | | | |
| Magnesium | | 18.7 | mg/L | 1.0 | 99 | 70 | 130 | | | |
| Manganese | | 0.0561 | mg/L | 0.010 | 111 | 70 | 130 | | | |
| Nickel | | 0.0537 | mg/L | 0.050 | 107 | 70 | 130 | | | |
| Potassium | | 17.8 | mg/L | 1.0 | 103 | 70 | 130 | | | |
| Selenium | | 0.0559 | mg/L | 0.0010 | 97 | 70 | 130 | | | |
| Sodium | | 37.5 | mg/L | 1.0 | 99 | 70 | 130 | | | |
| Vanadium | | 0.0670 | mg/L | 0.0010 | 117 | 70 | 130 | | | |
| Zinc | | 0.150 | mg/L | 0.010 | 92 | 70 | 130 | | | |

| | | | | | | | | | | |
|-------------------------------------|--|----------------------------------|------|--------|-----|----|-----|-----|----|---|
| Sample ID: C11120623-002CMSD | | 15 Sample Matrix Spike Duplicate | | | | | | | | Run: ICPMS4-C_111221A 12/21/11 23:07 |
| Arsenic | | 0.0563 | mg/L | 0.0010 | 106 | 70 | 130 | 0.8 | 20 | |
| Barium | | 0.197 | mg/L | 0.10 | 112 | 70 | 130 | 0.9 | 20 | |
| Cadmium | | 0.0527 | mg/L | 0.010 | 105 | 70 | 130 | 1.9 | 20 | |
| Calcium | | 45.1 | mg/L | 1.0 | 102 | 70 | 130 | 0.4 | 20 | |
| Chromium | | 0.0544 | mg/L | 0.050 | 108 | 70 | 130 | 0.7 | 20 | |
| Copper | | 0.0552 | mg/L | 0.010 | 109 | 70 | 130 | 1.5 | 20 | |
| Lead | | 0.0570 | mg/L | 0.050 | 114 | 70 | 130 | 4.5 | 20 | |
| Magnesium | | 18.9 | mg/L | 1.0 | 101 | 70 | 130 | 1.0 | 20 | |
| Manganese | | 0.0565 | mg/L | 0.010 | 112 | 70 | 130 | 0.6 | 20 | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 02/28/12

Project: Marsland Baseline Private Well Samples

Work Order: C11120623

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|--|-------|--------|-------|--------|------|-----------|------------|-----|----------|--------------------------------------|
| Method: E200.8 | | | | | | | | | | Batch: R154680A |
| Sample ID: C11120623-002CMSD 15 Sample Matrix Spike Duplicate | | | | | | | | | | Run: ICPMS4-C_111221A 12/21/11 23:07 |
| Nickel | | 0.0540 | mg/L | 0.050 | 107 | 70 | 130 | 0.5 | 20 | |
| Potassium | | 17.8 | mg/L | 1.0 | 103 | 70 | 130 | 0.1 | 20 | |
| Selenium | | 0.0561 | mg/L | 0.0010 | 97 | 70 | 130 | 0.4 | 20 | |
| Sodium | | 37.6 | mg/L | 1.0 | 100 | 70 | 130 | 0.2 | 20 | |
| Vanadium | | 0.0681 | mg/L | 0.0010 | 119 | 70 | 130 | 1.5 | 20 | |
| Zinc | | 0.152 | mg/L | 0.010 | 96 | 70 | 130 | 1.3 | 20 | |
| Sample ID: LRB 15 Method Blank | | | | | | | | | | Run: ICPMS4-C_111221A 12/21/11 13:17 |
| Arsenic | | ND | mg/L | 5E-05 | | | | | | |
| Barium | | ND | mg/L | 7E-05 | | | | | | |
| Cadmium | | ND | mg/L | 3E-05 | | | | | | |
| Calcium | | ND | mg/L | 0.007 | | | | | | |
| Chromium | | ND | mg/L | 4E-05 | | | | | | |
| Copper | | ND | mg/L | 3E-05 | | | | | | |
| Lead | | ND | mg/L | 2E-05 | | | | | | |
| Magnesium | | ND | mg/L | 0.003 | | | | | | |
| Manganese | | ND | mg/L | 3E-05 | | | | | | |
| Nickel | | ND | mg/L | 9E-05 | | | | | | |
| Potassium | | 0.01 | mg/L | 0.004 | | | | | | |
| Selenium | | ND | mg/L | 7E-05 | | | | | | |
| Sodium | | ND | mg/L | 0.004 | | | | | | |
| Vanadium | | ND | mg/L | 4E-05 | | | | | | |
| Zinc | | ND | mg/L | 0.0002 | | | | | | |
| Sample ID: LFB 15 Laboratory Fortified Blank | | | | | | | | | | Run: ICPMS4-C_111221A 12/21/11 13:37 |
| Arsenic | | 0.0533 | mg/L | 0.0010 | 107 | 85 | 115 | | | |
| Barium | | 0.0523 | mg/L | 0.0010 | 105 | 85 | 115 | | | |
| Cadmium | | 0.0526 | mg/L | 0.0010 | 105 | 85 | 115 | | | |
| Calcium | | 12.2 | mg/L | 0.0066 | 97 | 85 | 115 | | | |
| Chromium | | 0.0526 | mg/L | 0.0010 | 105 | 85 | 115 | | | |
| Copper | | 0.0514 | mg/L | 0.0010 | 103 | 85 | 115 | | | |
| Lead | | 0.0475 | mg/L | 0.0010 | 95 | 85 | 115 | | | |
| Magnesium | | 12.5 | mg/L | 0.0027 | 100 | 85 | 115 | | | |
| Manganese | | 0.0524 | mg/L | 0.0010 | 105 | 85 | 115 | | | |
| Nickel | | 0.0538 | mg/L | 0.0010 | 108 | 85 | 115 | | | |
| Potassium | | 12.3 | mg/L | 0.0041 | 98 | 85 | 115 | | | |
| Selenium | | 0.0544 | mg/L | 0.0010 | 109 | 85 | 115 | | | |
| Sodium | | 12.4 | mg/L | 0.0043 | 99 | 85 | 115 | | | |
| Vanadium | | 0.0494 | mg/L | 0.0010 | 99 | 85 | 115 | | | |
| Zinc | | 0.0550 | mg/L | 0.0010 | 110 | 85 | 115 | | | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Project: Marsland Baseline Private Well Samples

Report Date: 02/28/12

Work Order: C11120623

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-----------------------|-------|--|-------|---------|------|-----------|------------|-----|----------|----------------|
| Method: E200.8 | | Analytical Run: ICPMS4-C_111230A | | | | | | | | |
| Sample ID: ICV | | 20 Initial Calibration Verification Standard | | | | | | | | 12/30/11 10:59 |
| Aluminum | | 0.0482 | mg/L | 0.0010 | 96 | 90 | 110 | | | |
| Arsenic | | 0.0497 | mg/L | 0.0010 | 99 | 90 | 110 | | | |
| Barium | | 0.0494 | mg/L | 0.0010 | 99 | 90 | 110 | | | |
| Boron | | 0.0502 | mg/L | 0.0010 | 100 | 90 | 110 | | | |
| Cadmium | | 0.0503 | mg/L | 0.0010 | 101 | 90 | 110 | | | |
| Calcium | | 9.70 | mg/L | 0.0066 | 97 | 90 | 110 | | | |
| Chromium | | 0.0497 | mg/L | 0.0010 | 99 | 90 | 110 | | | |
| Copper | | 0.0503 | mg/L | 0.0010 | 101 | 90 | 110 | | | |
| Iron | | 1.07 | mg/L | 0.0010 | 107 | 90 | 110 | | | |
| Lead | | 0.0492 | mg/L | 0.0010 | 98 | 90 | 110 | | | |
| Magnesium | | 9.67 | mg/L | 0.0027 | 97 | 90 | 110 | | | |
| Manganese | | 0.0501 | mg/L | 0.0010 | 100 | 90 | 110 | | | |
| Mercury | | 0.00519 | mg/L | 0.0010 | 104 | 90 | 110 | | | |
| Nickel | | 0.0500 | mg/L | 0.0010 | 100 | 90 | 110 | | | |
| Potassium | | 9.72 | mg/L | 0.0041 | 97 | 90 | 110 | | | |
| Selenium | | 0.0522 | mg/L | 0.0010 | 104 | 90 | 110 | | | |
| Sodium | | 9.69 | mg/L | 0.0043 | 97 | 90 | 110 | | | |
| Uranium | | 0.0494 | mg/L | 0.00030 | 99 | 90 | 110 | | | |
| Vanadium | | 0.0491 | mg/L | 0.0010 | 98 | 90 | 110 | | | |
| Zinc | | 0.0513 | mg/L | 0.0010 | 103 | 90 | 110 | | | |

| | | | | | |
|----------------|-----------------|-----------------------|--------|----------------|--|
| Method: E200.8 | | Batch: R154953A | | | |
| Sample ID: LRB | 20 Method Blank | Run: ICPMS4-C_111230A | | 12/30/11 12:08 | |
| Aluminum | ND | mg/L | 0.0002 | | |
| Arsenic | ND | mg/L | 5E-05 | | |
| Barium | ND | mg/L | 7E-05 | | |
| Boron | ND | mg/L | 0.0004 | | |
| Cadmium | ND | mg/L | 3E-05 | | |
| Calcium | ND | mg/L | 0.007 | | |
| Chromium | ND | mg/L | 4E-05 | | |
| Copper | ND | mg/L | 3E-05 | | |
| Iron | ND | mg/L | 0.0006 | | |
| Lead | ND | mg/L | 2E-05 | | |
| Magnesium | ND | mg/L | 0.003 | | |
| Manganese | ND | mg/L | 3E-05 | | |
| Mercury | ND | mg/L | 5E-05 | | |
| Nickel | ND | mg/L | 9E-05 | | |
| Potassium | ND | mg/L | 0.004 | | |
| Selenium | ND | mg/L | 7E-05 | | |
| Sodium | ND | mg/L | 0.004 | | |
| Uranium | 5E-05 | mg/L | 9E-06 | | |
| Vanadium | ND | mg/L | 4E-05 | | |
| Zinc | ND | mg/L | 0.0002 | | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 02/28/12

Project: Marsland Baseline Private Well Samples

Work Order: C11120623

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|--|-------|---------|-------|---------|------|-----------------------|------------|----------------|----------|-----------------|
| Method: E200.8 | | | | | | | | | | Batch: R154953A |
| Sample ID: LFB 20 Laboratory Fortified Blank | | | | | | | | | | |
| | | | | | | Run: ICPMS4-C_111230A | | 12/30/11 12:15 | | |
| Aluminum | | 0.0522 | mg/L | 0.0010 | 104 | 85 | 115 | | | |
| Arsenic | | 0.0523 | mg/L | 0.0010 | 105 | 85 | 115 | | | |
| Barium | | 0.0503 | mg/L | 0.0010 | 101 | 85 | 115 | | | |
| Boron | | 0.0491 | mg/L | 0.0010 | 98 | 85 | 115 | | | |
| Cadmium | | 0.0511 | mg/L | 0.0010 | 102 | 85 | 115 | | | |
| Calcium | | 12.7 | mg/L | 0.0066 | 102 | 85 | 115 | | | |
| Chromium | | 0.0516 | mg/L | 0.0010 | 103 | 85 | 115 | | | |
| Copper | | 0.0517 | mg/L | 0.0010 | 103 | 85 | 115 | | | |
| Iron | | 1.29 | mg/L | 0.0010 | 103 | 85 | 115 | | | |
| Lead | | 0.0508 | mg/L | 0.0010 | 102 | 85 | 115 | | | |
| Magnesium | | 12.6 | mg/L | 0.0027 | 101 | 85 | 115 | | | |
| Manganese | | 0.0513 | mg/L | 0.0010 | 103 | 85 | 115 | | | |
| Mercury | | 0.00506 | mg/L | 0.0010 | 101 | 85 | 115 | | | |
| Nickel | | 0.0518 | mg/L | 0.0010 | 103 | 85 | 115 | | | |
| Potassium | | 12.7 | mg/L | 0.0041 | 101 | 85 | 115 | | | |
| Selenium | | 0.0510 | mg/L | 0.0010 | 102 | 85 | 115 | | | |
| Sodium | | 12.7 | mg/L | 0.0043 | 102 | 85 | 115 | | | |
| Uranium | | 0.0503 | mg/L | 0.00030 | 100 | 85 | 115 | | | |
| Vanadium | | 0.0515 | mg/L | 0.0010 | 103 | 85 | 115 | | | |
| Zinc | | 0.0539 | mg/L | 0.0010 | 108 | 85 | 115 | | | |
| Sample ID: C11120623-006CMS4 20 Sample Matrix Spike | | | | | | | | | | |
| | | | | | | Run: ICPMS4-C_111230A | | 12/30/11 19:44 | | |
| Aluminum | | 0.0483 | mg/L | 0.0010 | 63 | 70 | 130 | | | S |
| Arsenic | | 0.0565 | mg/L | 0.0010 | 105 | 70 | 130 | | | |
| Barium | | 0.147 | mg/L | 0.10 | 106 | 70 | 130 | | | |
| Boron | | 0.0680 | mg/L | 0.0010 | 86 | 70 | 130 | | | |
| Cadmium | | 0.0508 | mg/L | 0.010 | 102 | 70 | 130 | | | |
| Calcium | | 45.2 | mg/L | 1.0 | 111 | 70 | 130 | | | |
| Chromium | | 0.0513 | mg/L | 0.050 | 102 | 70 | 130 | | | |
| Copper | | 0.0518 | mg/L | 0.010 | 98 | 70 | 130 | | | |
| Iron | | 1.32 | mg/L | 0.030 | 101 | 70 | 130 | | | |
| Lead | | 0.0516 | mg/L | 0.050 | 103 | 70 | 130 | | | |
| Magnesium | | 19.9 | mg/L | 1.0 | 108 | 70 | 130 | | | |
| Manganese | | 0.0605 | mg/L | 0.010 | 100 | 70 | 130 | | | |
| Mercury | | 0.00518 | mg/L | 0.0010 | 104 | 70 | 130 | | | |
| Nickel | | 0.0486 | mg/L | 0.0010 | 96 | 70 | 130 | | | |
| Potassium | | 17.5 | mg/L | 1.0 | 106 | 70 | 130 | | | |
| Selenium | | 0.0560 | mg/L | 0.0010 | 111 | 70 | 130 | | | |
| Sodium | | 44.9 | mg/L | 1.0 | 109 | 70 | 130 | | | |
| Uranium | | 0.0579 | mg/L | 0.00030 | 104 | 70 | 130 | | | |
| Vanadium | | 0.0551 | mg/L | 0.0010 | 97 | 70 | 130 | | | |
| Zinc | | 0.302 | mg/L | 0.010 | | 70 | 130 | | | A |
| Sample ID: C11120623-006CMSD 20 Sample Matrix Spike Duplicate | | | | | | | | | | |
| | | | | | | Run: ICPMS4-C_111230A | | 12/30/11 19:50 | | |
| Aluminum | | 0.0487 | mg/L | 0.0010 | 64 | 70 | 130 | 0.8 | 20 | S |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.
MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 02/28/12

Project: Marsland Baseline Private Well Samples

Work Order: C11120623

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-----------------|-------------------------------|---------|-----------------------|-----------|----------------|-----|----------|------|
| Method: E200.8 | | Batch: R154953A | | | | | | | | |
| Sample ID: C11120623-006CMSD | | 20 | Sample Matrix Spike Duplicate | | Run: ICPMS4-C_111230A | | 12/30/11 19:50 | | | |
| Arsenic | | 0.0566 | mg/L | 0.0010 | 105 | 70 | 130 | 0.2 | 20 | |
| Barium | | 0.145 | mg/L | 0.10 | 104 | 70 | 130 | 0.8 | 20 | |
| Boron | | 0.0697 | mg/L | 0.0010 | 89 | 70 | 130 | 2.5 | 20 | |
| Cadmium | | 0.0509 | mg/L | 0.010 | 102 | 70 | 130 | 0.1 | 20 | |
| Calcium | | 45.1 | mg/L | 1.0 | 111 | 70 | 130 | 0.1 | 20 | |
| Chromium | | 0.0517 | mg/L | 0.050 | 102 | 70 | 130 | 0.7 | 20 | |
| Copper | | 0.0521 | mg/L | 0.010 | 99 | 70 | 130 | 0.7 | 20 | |
| Iron | | 1.33 | mg/L | 0.030 | 102 | 70 | 130 | 1.1 | 20 | |
| Lead | | 0.0511 | mg/L | 0.050 | 102 | 70 | 130 | 1.0 | 20 | |
| Magnesium | | 20.0 | mg/L | 1.0 | 108 | 70 | 130 | 0.2 | 20 | |
| Manganese | | 0.0607 | mg/L | 0.010 | 101 | 70 | 130 | 0.5 | 20 | |
| Mercury | | 0.00524 | mg/L | 0.0010 | 105 | 70 | 130 | 1.2 | 20 | |
| Nickel | | 0.0497 | mg/L | 0.0010 | 98 | 70 | 130 | 2.4 | 20 | |
| Potassium | | 17.8 | mg/L | 1.0 | 108 | 70 | 130 | 1.5 | 20 | |
| Selenium | | 0.0554 | mg/L | 0.0010 | 110 | 70 | 130 | 1.1 | 20 | |
| Sodium | | 44.2 | mg/L | 1.0 | 104 | 70 | 130 | 1.5 | 20 | |
| Uranium | | 0.0578 | mg/L | 0.00030 | 104 | 70 | 130 | 0.1 | 20 | |
| Vanadium | | 0.0560 | mg/L | 0.0010 | 98 | 70 | 130 | 1.7 | 20 | |
| Zinc | | 0.303 | mg/L | 0.010 | | 70 | 130 | 0.3 | 20 | A |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 02/28/12

Project: Marsland Baseline Private Well Samples

Work Order: C11120623

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|---|-------|------|------|-----------|------------|-----|----------|----------------|
| Method: E300.0 | | Analytical Run: IC2-C_111227A | | | | | | | | |
| Sample ID: ICV-122711-10 | 2 | Initial Calibration Verification Standard | | | | | | | | 12/27/11 14:36 |
| Chloride | | 10.0 | mg/L | 1.0 | 100 | 90 | 110 | | | |
| Sulfate | | 40.2 | mg/L | 1.0 | 100 | 90 | 110 | | | |
| Sample ID: ICB2-122711-12 | 2 | Initial Calibration Blank, Instrument Blank | | | | | | | | 12/27/11 15:03 |
| Chloride | | 0.0510 | mg/L | 1.0 | | 0 | 0 | | | |
| Sulfate | | 0.202 | mg/L | 1.0 | | 0 | 0 | | | |
| Method: E300.0 | | Batch: R154870 | | | | | | | | |
| Sample ID: ICB-122711-11 | 2 | Method Blank | | | | | | | | 12/27/11 14:50 |
| Chloride | | ND | mg/L | 0.10 | | | | | | |
| Sulfate | | 0.2 | mg/L | 0.08 | | | | | | |
| Sample ID: LFB-122711-13 | 2 | Laboratory Fortified Blank | | | | | | | | 12/27/11 15:17 |
| Chloride | | 10.3 | mg/L | 1.0 | 103 | 90 | 110 | | | |
| Sulfate | | 39.9 | mg/L | 1.0 | 99 | 90 | 110 | | | |
| Sample ID: LFBD-122711-14 | 2 | Laboratory Fortified Blank Duplicate | | | | | | | | 12/27/11 15:30 |
| Chloride | | 10.4 | mg/L | 1.0 | 103 | 90 | 110 | 0.5 | 10 | |
| Sulfate | | 39.9 | mg/L | 1.0 | 99 | 90 | 110 | 0.1 | 10 | |
| Sample ID: LCS-32231 | 2 | Laboratory Control Sample | | | | | | | | 12/27/11 16:37 |
| Chloride | | 10.4 | mg/L | 1.0 | 104 | 90 | 110 | | | |
| Sulfate | | 43.6 | mg/L | 1.0 | 102 | 90 | 110 | | | |
| Sample ID: C11120623-003BMS | 2 | Sample Matrix Spike | | | | | | | | 12/28/11 09:48 |
| Chloride | | 12.7 | mg/L | 1.0 | 102 | 90 | 110 | | | |
| Sulfate | | 46.2 | mg/L | 1.0 | 102 | 90 | 110 | | | |
| Sample ID: C11120623-003BMSD | 2 | Sample Matrix Spike Duplicate | | | | | | | | 12/28/11 10:01 |
| Chloride | | 12.7 | mg/L | 1.0 | 103 | 90 | 110 | 0.1 | 10 | |
| Sulfate | | 46.6 | mg/L | 1.0 | 103 | 90 | 110 | 0.7 | 10 | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Project: Marsland Baseline Private Well Samples

Report Date: 02/28/12

Work Order: C11120623

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|------------------------|-------|------|------|-----------|------------|-----|----------|----------------|
| Method: E353.2 | | | | | | | | | | Batch: R154654 |
| Sample ID: MBLK-1 | | | | | | | | | | |
| Method Blank | | Run: TECHNICON_111221A | | | | | | | | |
| Nitrogen, Nitrate+Nitrite as N | | ND | mg/L | 0.06 | | | | | | 12/21/11 12:50 |
| Sample ID: LCS-2 | | | | | | | | | | |
| Laboratory Control Sample | | Run: TECHNICON_111221A | | | | | | | | |
| Nitrogen, Nitrate+Nitrite as N | | 2.52 | mg/L | 0.10 | 101 | 90 | 110 | | | 12/21/11 12:53 |
| Sample ID: LFB-3 | | | | | | | | | | |
| Laboratory Fortified Blank | | Run: TECHNICON_111221A | | | | | | | | |
| Nitrogen, Nitrate+Nitrite as N | | 1.97 | mg/L | 0.10 | 101 | 90 | 110 | | | 12/21/11 12:55 |
| Sample ID: C11120631-001AMS | | | | | | | | | | |
| Sample Matrix Spike | | Run: TECHNICON_111221A | | | | | | | | |
| Nitrogen, Nitrate+Nitrite as N | | 2.09 | mg/L | 0.10 | 101 | 90 | 110 | | | 12/21/11 13:35 |
| Sample ID: C11120631-001AMSD | | | | | | | | | | |
| Sample Matrix Spike Duplicate | | Run: TECHNICON_111221A | | | | | | | | |
| Nitrogen, Nitrate+Nitrite as N | | 2.08 | mg/L | 0.10 | 100 | 90 | 110 | 0.5 | 10 | 12/21/11 13:38 |

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 02/28/12

Project: Marsland Baseline Private Well Samples

Work Order: C11120623

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------------------------------|--------------|-------|-----------------------------|------|-----------|------------|-----|----------|-------------------|
| Method: E903.0 | | | | | | | | | | Batch: R155169 |
| Sample ID: C11120623-003HMS | Sample Matrix Spike | | | Run: BERTHOLD 770-2_111230A | | | | | | 01/09/12 12:58 |
| Radium 226 | | 9.8 | pCi/L | 97 | | 70 | 130 | | | |
| Sample ID: C11120623-003HMSD | Sample Matrix Spike Duplicate | | | Run: BERTHOLD 770-2_111230A | | | | | | 01/09/12 12:58 |
| Radium 226 | | 9.2 | pCi/L | 90 | | 70 | 130 | 6.5 | | 25.8 |
| Sample ID: LCS-32280 | Laboratory Control Sample | | | Run: BERTHOLD 770-2_111230A | | | | | | 01/09/12 12:58 |
| Radium 226 | | 11 | pCi/L | 88 | | 85 | 115 | | | |
| Sample ID: MB-32280 | 3 | Method Blank | | Run: BERTHOLD 770-2_111230A | | | | | | 01/09/12 14:30 |
| Radium 226 | | 0.03 | pCi/L | | | | | | | U |
| Radium 226 precision (\pm) | | 0.1 | pCi/L | | | | | | | |
| Radium 226 MDC | | 0.3 | pCi/L | | | | | | | |
| Method: E903.0 | | | | | | | | | | Batch: RA226-5765 |
| Sample ID: C11101104-002CMS | Sample Matrix Spike | | | Run: G542M_111227A | | | | | | 01/03/12 11:35 |
| Radium 226 | | 13 | pCi/L | 97 | | 70 | 130 | | | |
| Sample ID: C11101104-002CMSD | Sample Matrix Spike Duplicate | | | Run: G542M_111227A | | | | | | 01/03/12 11:35 |
| Radium 226 | | 13 | pCi/L | 98 | | 70 | 130 | 0.2 | | 24.2 |
| Sample ID: MB-RA226-5765 | 3 | Method Blank | | Run: G542M_111227A | | | | | | 01/03/12 13:18 |
| Radium 226 | | 0.10 | pCi/L | | | | | | | U |
| Radium 226 precision (\pm) | | 0.10 | pCi/L | | | | | | | |
| Radium 226 MDC | | 0.1 | pCi/L | | | | | | | |
| Sample ID: LCS-RA226-5765 | Laboratory Control Sample | | | Run: G542M_111227A | | | | | | 01/03/12 13:18 |
| Radium 226 | | 6.0 | pCi/L | 94 | | 80 | 120 | | | |

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 02/28/12

Project: Marsland Baseline Private Well Samples

Work Order: C11120623

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|--------------------------------------|-------------------------------|--------------|-------|------------------------|------|-----------|----------------|-----|----------|-----------------------|
| Method: E908.0 | | | | | | | | | | Batch: RA-TH-ISO-1540 |
| Sample ID: LCS-RA-TH-ISO-1540 | Laboratory Control Sample | | | Run: EGG-ORTEC_111220B | | | 01/03/12 13:19 | | | |
| Thorium 230 | | 5.3 | pCi/L | 94 | | 70 | 130 | | | |
| Sample ID: C11120623-006EMS | Sample Matrix Spike | | | Run: EGG-ORTEC_111220B | | | 01/04/12 12:18 | | | |
| Thorium 230 | | 11 | pCi/L | 95 | | 70 | 130 | | | |
| Sample ID: C11120623-006EMSD | Sample Matrix Spike Duplicate | | | Run: EGG-ORTEC_111220B | | | 01/04/12 12:18 | | | |
| Thorium 230 | | 11 | pCi/L | 91 | | 70 | 130 | 4.4 | 38 | |
| Sample ID: MB-RA-TH-ISO-1540 | 3 | Method Blank | | Run: EGG-ORTEC_111220B | | | 01/04/12 12:18 | | | |
| Thorium 230 | | -0.01 | pCi/L | | | | | | | U |
| Thorium 230 precision (±) | | 0.05 | pCi/L | | | | | | | |
| Thorium 230 MDC | | 0.1 | pCi/L | | | | | | | |
| Method: E908.0 | | | | | | | | | | Batch: 32280 |
| Sample ID: C11120623-006HMS | Sample Matrix Spike | | | Run: EGG-ORTEC_120103C | | | 01/06/12 08:42 | | | |
| Thorium 230 | | 8.2 | pCi/L | 104 | | 70 | 130 | | | |
| Sample ID: C11120623-006HMSD | Sample Matrix Spike Duplicate | | | Run: EGG-ORTEC_120103C | | | 01/06/12 08:42 | | | |
| Thorium 230 | | 8.6 | pCi/L | 108 | | 70 | 130 | 4.8 | 38.3 | |
| Sample ID: LCS-32280 | Laboratory Control Sample | | | Run: EGG-ORTEC_120103C | | | 01/06/12 13:00 | | | |
| Thorium 230 | | 10 | pCi/L | 103 | | 70 | 130 | | | |
| Sample ID: MB-32280 | 3 | Method Blank | | Run: EGG-ORTEC_120103C | | | 01/06/12 13:00 | | | |
| Thorium 230 | | 0.007 | pCi/L | | | | | | | U |
| Thorium 230 precision (±) | | 0.1 | pCi/L | | | | | | | |
| Thorium 230 MDC | | 0.3 | pCi/L | | | | | | | |

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 02/28/12

Project: Marsland Baseline Private Well Samples

Work Order: C11120623

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|-----|------|-----------------|------------|-----|----------|----------------------|
| Method: E909.0 | | | | | | | | | | Batch: T_PB-210-0198 |
| Sample ID: MB-PB-210-0198 | 3 | Method Blank | | | | Run: SUB-T43504 | | | | 12/31/11 03:07 |
| Lead 210 | | 0.1 | pCi/L | | | | | | | U |
| Lead 210 precision (±) | | 0.4 | pCi/L | | | | | | | |
| Lead 210 MDC | | 0.7 | pCi/L | | | | | | | |
| Sample ID: LCS-PB-210-0198 | | Laboratory Control Sample | | | | Run: SUB-T43504 | | | | 12/31/11 08:38 |
| Lead 210 | | 87 | pCi/L | 103 | | 70 | 130 | | | |
| Sample ID: C11120623-006GMS | | Sample Matrix Spike | | | | Run: SUB-T43504 | | | | 01/02/12 10:17 |
| Lead 210 | | 200 | pCi/L | 104 | | 70 | 130 | | | |
| Sample ID: C11120623-006GMSD | | Sample Matrix Spike Duplicate | | | | Run: SUB-T43504 | | | | 01/02/12 15:48 |
| Lead 210 | | 210 | pCi/L | 108 | | 70 | 130 | 3.7 | 12.2 | |
| Method: E909.0 | | | | | | | | | | Batch: T_15485 |
| Sample ID: MB-15485 | 3 | Method Blank | | | | Run: SUB-T43556 | | | | 01/07/12 05:50 |
| Lead 210 | | -2 | pCi/L | | | | | | | U |
| Lead 210 precision (±) | | 5 | pCi/L | | | | | | | |
| Lead 210 MDC | | 9 | pCi/L | | | | | | | |
| Sample ID: LCS-15485 | | Laboratory Control Sample | | | | Run: SUB-T43556 | | | | 01/07/12 07:55 |
| Lead 210 | | 570 | pCi/L | 101 | | 70 | 130 | | | |
| Sample ID: C11120623-006HMS | | Sample Matrix Spike | | | | Run: SUB-T43556 | | | | 01/07/12 22:30 |
| Lead 210 | | 150 | pCi/L | 101 | | 70 | 130 | | | |
| Sample ID: C11120623-006HMSD | | Sample Matrix Spike Duplicate | | | | Run: SUB-T43556 | | | | 01/08/12 00:35 |
| Lead 210 | | 150 | pCi/L | 102 | | 70 | 130 | 3.7 | 14.1 | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

U - Not detected at minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Project: Marsland Baseline Private Well Samples

Report Date: 02/28/12

Work Order: C11120623

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------------------------------|--------------|-------|--------------------------|------|-----------|----------------|-------|----------|-------------------|
| Method: E912.0 | | | | | | | | | | Batch: R156705 |
| Sample ID: C11120623-004HMS | Sample Matrix Spike | | | Run: ALPHANALYST_120213B | | | 02/23/12 13:35 | | | |
| Polonium 210 | | 5.7 | pCi/L | 88 | 70 | 130 | | | | |
| Sample ID: C11120623-004HMSD | Sample Matrix Spike Duplicate | | | Run: ALPHANALYST_120213B | | | 02/23/12 13:35 | | | |
| Polonium 210 | | 5.1 | pCi/L | 79 | 70 | 130 | 11 | 82.3 | | |
| Sample ID: LCS-32280 | Laboratory Control Sample | | | Run: ALPHANALYST_120213B | | | 02/23/12 13:35 | | | |
| Polonium 210 | | 35 | pCi/L | 101 | 70 | 130 | | | | |
| Sample ID: MB-32280 | 3 | Method Blank | | Run: ALPHANALYST_120213B | | | 02/23/12 13:35 | | | |
| Polonium 210 | | -0.1 | pCi/L | | | | | | | U |
| Polonium 210 precision (\pm) | | 2 | pCi/L | | | | | | | |
| Polonium 210 MDC | | 7 | pCi/L | | | | | | | |
| Method: E912.0 | | | | | | | | | | Batch: PO210-0414 |
| Sample ID: C11120623-002FMS | Sample Matrix Spike | | | Run: EGG-ORTEC_120125C | | | 01/27/12 08:27 | | | |
| Polonium 210 | | 13 | pCi/L | 102 | 70 | 130 | | | | |
| Sample ID: C11120623-002FMSD | Sample Matrix Spike Duplicate | | | Run: EGG-ORTEC_120125C | | | 01/27/12 08:27 | | | |
| Polonium 210 | | 12 | pCi/L | 95 | 70 | 130 | 8.4 | 108.8 | | |
| Sample ID: MB-PO210-0414 | 3 | Method Blank | | Run: EGG-ORTEC_120125C | | | 01/27/12 10:10 | | | |
| Polonium 210 | | 0.4 | pCi/L | | | | | | | U |
| Polonium 210 precision (\pm) | | 0.6 | pCi/L | | | | | | | |
| Polonium 210 MDC | | 0.9 | pCi/L | | | | | | | |
| Sample ID: LCS-PO210-0414 | Laboratory Control Sample | | | Run: EGG-ORTEC_120125C | | | 02/02/12 08:46 | | | |
| Polonium 210 | | 5.0 | pCi/L | 75 | 70 | 130 | | | | |

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration

Workorder Receipt Checklist



C11120623

 Login completed by: Debra Williams
 Reviewed by: BL2000\cwagner
 Reviewed Date: 12/22/2011

Date Received: 12/20/2011

Received by: kg

 Carrier NDA
 name:

| | | | |
|---|---|-----------------------------|---|
| Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| All samples received within holding time? (Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.) | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |

Container/Temp Blank temperature: 2.6°C On Ice

| | | | |
|--|---|-----------------------------|--|
| Water - VOA vials have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | No VOA vials submitted <input checked="" type="checkbox"/> |
| Water - pH acceptable upon receipt? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Applicable <input type="checkbox"/> |

 Contact and Corrective Action Comments:

None

Chain of Custody and Analytical Request Record

CROW BUTTE RESOURCES, INC.
CROW BUTTE PROJECT

NO₂⁻

DATE: 12.16.11

ANALYST: Mo

STANDARD CURVE DATA

| | | | | | | | |
|-----|-----|------|------|------|--|--|--------|
| | BL | .01 | .05 | .10 | | | 9.9998 |
| Abs | 000 | .027 | .153 | .314 | | | |
| Abs | | | | | | | |

| SAMPLE # | VOLUME | Df | Abs | NO ₂ mg/L |
|-----------|--------|----|-------|----------------------|
| 1 703 | 10ml | 1 | -.001 | <.01 |
| 2 723 | 10ml | 1 | .001 | <.01 |
| 3 727 | 10ml | 1 | .004 | <.01 |
| 4 727 Dup | 10ml | 1 | .006 | <.01 |
| 5 741 | 10ml | 1 | -.004 | <.01 |
| 745 | 10ml | 1 | -.002 | <.01 |
| 6 759 | 10ml | 1 | -.002 | <.01 |
| 7 759 Dup | 10ml | 1 | -.000 | <.01 |
| 8 | | | | |
| 9 | | | | |
| 10 | | | | |
| Dup | | | | |
| 11 | | | | |
| 12 | | | | |
| 13 | | | | |
| 14 | | | | |
| 15 | | | | |
| Dup | | | | |
| 16 | | | | |
| 17 | | | | |
| 18 | | | | |
| 19 | | | | |
| 20 | | | | |
| Dup | | | | |
| 21 | | | | |
| 22 | | | | |
| 23 | | | | |
| 24 | | | | |
| 25 | | | | |
| Dup | | | | |

ANALYTICAL SUMMARY REPORT

February 28, 2012

Crow Butte Resources
86 Crow Butte Rd
Crawford, NE 69339

Workorder No.: C11120731

Quote ID: C1125 - Crow Butte Uranium

Project Name: Marsland Baseline Private Well Samples

Energy Laboratories, Inc. Casper WY received the following 1 sample for Crow Butte Resources on 12/23/2011 for analysis.

| Sample ID | Client Sample ID | Collect Date | Receive Date | Matrix | Test |
|---------------|------------------|----------------|--------------|---------|--|
| C11120731-001 | Well #723 | 12/20/11 00:00 | 12/23/11 | Aqueous | Metals by ICP/ICPMS, Dissolved Alkalinity QA Calculations Conductivity Fluoride E300.0 Anions Uranium, Suspended Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Digestion, Total Metals Lead 210, Dissolved Lead 210, Suspended Polonium 210, Dissolved Polonium 210, Suspended Radium 226, Dissolved Radium 226, Suspended Thorium, Isotopic Thorium, Suspended Isotopic Solids, Total Dissolved |

The analyses presented in this report were performed at Energy Laboratories, Inc., 2393 Salt Creek Hwy., Casper, WY 82601, unless otherwise noted. Radiochemistry analyses were performed at Energy Laboratories, Inc., 2325 Kerzell Lane, Casper, WY 82601, unless otherwise noted. Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

The results as reported relate only to the item(s) submitted for testing. Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. Data corrected for moisture content are typically noted as - dry on the report. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

If you have any questions regarding these test results, please call.

Report Approved By:

CLIENT: Crow Butte Resources
Project: Marsland Baseline Private Well Samples
Sample Delivery Group: C11120731

Report Date: 02/28/12

CASE NARRATIVE

pH COMMENTS

Per NELAC rule, pH is considered a field parameter with a holding time of 15 minutes. Due to this rule, all pH analyses will be flagged with an H.

BRANCH LABORATORY SUBCONTRACT ANALYSIS

Tests associated with analyst identified as ELI-CS were subcontracted to Energy Laboratories, 415 Graham Rd., College Station, TX, EPA Number TX01520.

RADIOCHEMISTRY ANALYSIS

Per client request, results less than MDC (or precision if no MDC), are reported as <MDC (or <precision). Actual instrument results are available by request.

ORIGINAL SAMPLE SUBMITTAL(S)

All original sample submittals have been returned with the data package.

SAMPLE TEMPERATURE COMPLIANCE: 4°C (±2°C)

Temperature of samples received may not be considered properly preserved by accepted standards. Samples that are hand delivered immediately after collection shall be considered acceptable if there is evidence that the chilling process has begun.

GROSS ALPHA ANALYSIS

Method 900.0 for gross alpha and gross beta is intended as a drinking water method for low TDS waters. Data provided by this method for non potable waters should be viewed as inconsistent.

SOIL/SOLID SAMPLES

All samples reported on an as received basis unless otherwise indicated.

SUBCONTRACTING ANALYSIS

Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.

BRANCH LABORATORY LOCATIONS

eli-b - Energy Laboratories, Inc. - Billings, MT
eli-g - Energy Laboratories, Inc. - Gillette, WY
eli-h - Energy Laboratories, Inc. - Helena, MT
eli-r - Energy Laboratories, Inc. - Rapid City, SD
eli-t - Energy Laboratories, Inc. - College Station, TX

CERTIFICATIONS:

USEPA: WY00002; FL-DOH NELAC: E87641; California: 02118CA
Oregon: WY200001; Utah: 3072350515; Virginia: 00057; Washington: C1903

ISO 17025 DISCLAIMER:

The results of this Analytical Report relate only to the items submitted for analysis.

ENERGY LABORATORIES, INC. - CASPER, WY certifies that certain method selections contained in this report meet requirements as set forth by the above accrediting authorities. Some results requested by the client may not be covered under these certifications. All analysis data to be submitted for regulatory enforcement should be certified in the sample state of origin. Please verify ELI's certification coverage by visiting www.energylab.com

ELI appreciates the opportunity to provide you with this analytical service. For additional information and services visit our web page www.energylab.com.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Private Well Samples
Lab ID: C11120731-001
Client Sample ID: Well #723

Report Date: 02/28/12
Collection Date: 12/20/11
Date Received: 12/23/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 149 | mg/L | | 1 | | A2320 B | 12/28/11 14:33 / jba |
| Carbonate as CO ₃ | ND | mg/L | | 1 | | A2320 B | 12/28/11 14:33 / jba |
| Bicarbonate as HCO ₃ | 182 | mg/L | | 1 | | A2320 B | 12/28/11 14:33 / jba |
| Calcium | 34 | mg/L | | 1 | | E200.8 | 12/30/11 20:04 / sml |
| Chloride | 2 | mg/L | | 1 | | E300.0 | 12/30/11 02:22 / ljl |
| Fluoride | 0.6 | mg/L | | 0.1 | | A4500-F C | 12/29/11 12:17 / jba |
| Magnesium | 9 | mg/L | | 1 | | E200.8 | 12/30/11 20:04 / sml |
| Nitrogen, Ammonia as N | ND | mg/L | | 0.05 | | A4500-NH ₃ G | 12/29/11 16:24 / dc |
| Nitrogen, Nitrate+Nitrite as N | 0.7 | mg/L | | 0.1 | | E353.2 | 12/23/11 14:15 / dc |
| Potassium | 3 | mg/L | | 1 | | E200.8 | 12/30/11 20:04 / sml |
| Silica | 75.6 | mg/L | | 0.2 | | E200.7 | 01/14/12 13:02 / cp |
| Sodium | 22 | mg/L | | 1 | | E200.8 | 12/30/11 20:04 / sml |
| Sulfate | 9 | mg/L | | 1 | | E300.0 | 12/30/11 02:22 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 306 | umhos/cm | | 1 | | A2510 B | 12/28/11 09:13 / wc |
| pH | 7.72 | s.u. | H | 0.01 | | A4500-H B | 12/28/11 09:13 / wc |
| Solids, Total Dissolved TDS @ 180 C | 215 | mg/L | | 10 | | A2540 C | 12/23/11 12:32 / wc |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.8 | 12/30/11 20:04 / sml |
| Arsenic | 0.006 | mg/L | | 0.001 | | E200.8 | 12/30/11 20:04 / sml |
| Barium | 0.1 | mg/L | | 0.1 | | E200.8 | 12/30/11 20:04 / sml |
| Boron | ND | mg/L | | 0.1 | | E200.8 | 12/30/11 20:04 / sml |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 12/30/11 20:04 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 12/30/11 20:04 / sml |
| Copper | 0.06 | mg/L | | 0.01 | | E200.8 | 12/30/11 20:04 / sml |
| Iron | ND | mg/L | | 0.03 | | E200.8 | 12/30/11 20:04 / sml |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 12/30/11 20:04 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 12/30/11 20:04 / sml |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 12/30/11 20:04 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.7 | 01/11/12 16:34 / cp |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 12/30/11 20:04 / sml |
| Selenium | 0.001 | mg/L | | 0.001 | | E200.8 | 12/30/11 20:04 / sml |
| Uranium | 0.0058 | mg/L | | 0.0003 | | E200.8 | 12/30/11 20:04 / sml |
| Uranium, Activity | 3.9E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 12/30/11 20:04 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 12/30/11 20:04 / sml |
| Zinc | 0.19 | mg/L | | 0.01 | | E200.8 | 12/30/11 20:04 / sml |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 12/30/11 21:07 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 12/30/11 21:07 / sml |

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
H - Analysis performed past recommended holding time.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Private Well Samples
Lab ID: C11120731-001
Client Sample ID: Well #723

Report Date: 02/28/12
Collection Date: 12/20/11
Date Received: 12/23/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|------|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <1.0 | pCi/L | U | 1.0 | | E909.0 | 01/07/12 04:43 / eli-cs |
| Lead 210 precision (±) | 0.6 | pCi/L | | | | E909.0 | 01/07/12 04:43 / eli-cs |
| Lead 210 MDC | 1.0 | pCi/L | | | | E909.0 | 01/07/12 04:43 / eli-cs |
| Polonium 210 | <0.9 | pCi/L | U | 0.9 | | E912.0 | 01/27/12 10:10 / plj |
| Polonium 210 precision (±) | 0.7 | pCi/L | | | | E912.0 | 01/27/12 10:10 / plj |
| Polonium 210 MDC | 0.9 | pCi/L | | | | E912.0 | 01/27/12 10:10 / plj |
| Radium 226 | <0.2 | pCi/L | U | 0.2 | | E903.0 | 01/09/12 12:56 / trs |
| Radium 226 precision (±) | 0.1 | pCi/L | | | | E903.0 | 01/09/12 12:56 / trs |
| Radium 226 MDC | 0.2 | pCi/L | | | | E903.0 | 01/09/12 12:56 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 01/12/12 09:23 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 01/12/12 09:23 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 01/12/12 09:23 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 01/08/12 17:15 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 01/08/12 17:15 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 01/08/12 17:15 / eli-cs |
| Polonium 210 | <0.9 | pCi/L | U | 0.9 | | E912.0 | 02/23/12 13:35 / ep |
| Polonium 210 precision (±) | 0.4 | pCi/L | | | | E912.0 | 02/23/12 13:35 / ep |
| Polonium 210 MDC | 0.9 | pCi/L | | | | E912.0 | 02/23/12 13:35 / ep |
| Radium 226 | <0.1 | pCi/L | U | 0.1 | | E903.0 | 01/09/12 14:30 / trs |
| Radium 226 precision (±) | 0.06 | pCi/L | | | | E903.0 | 01/09/12 14:30 / trs |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 01/09/12 14:30 / trs |
| Thorium 230 | 0.1 | pCi/L | | 0.04 | | E908.0 | 01/06/12 19:17 / dmf |
| Thorium 230 precision (±) | 0.04 | pCi/L | | | | E908.0 | 01/06/12 19:17 / dmf |
| Thorium 230 MDC | 0.04 | pCi/L | | | | E908.0 | 01/06/12 19:17 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 1.91 | % | | | | Calculation | 01/04/12 08:43 / kbh |
| Anions | 3.31 | meq/L | | | | Calculation | 01/04/12 08:43 / kbh |
| Cations | 3.44 | meq/L | | | | Calculation | 01/04/12 08:43 / kbh |
| Solids, Total Dissolved Calculated | 172 | mg/L | | | | Calculation | 01/04/12 08:43 / kbh |
| TDS Balance (0.80 - 1.20) | 1.24 | | | | | Calculation | 01/04/12 08:43 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Project: Marsland Baseline Private Well Samples

Report Date: 02/28/12

Work Order: C11120731

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|--|-------|---------------------------|-------|-----|------|-----------|----------------------|-----|----------|----------------|
| Method: A2320 B | | | | | | | | | | Batch: R154864 |
| Sample ID: MBLK | 3 | Method Blank | | | | | Run: MANTECH_111228A | | | 12/28/11 11:13 |
| Alkalinity, Total as CaCO ₃ | | 3 | mg/L | 2 | | | | | | |
| Carbonate as CO ₃ | | ND | mg/L | 1 | | | | | | |
| Bicarbonate as HCO ₃ | | 3 | mg/L | 1 | | | | | | |
| Sample ID: LCS-6465 | | Laboratory Control Sample | | | | | Run: MANTECH_111228A | | | 12/28/11 11:35 |
| Alkalinity, Total as CaCO ₃ | | 193 | mg/L | 5.0 | 95 | 90 | 110 | | | |
| Sample ID: C11120665-003ADUP | 3 | Sample Duplicate | | | | | Run: MANTECH_111228A | | | 12/28/11 12:34 |
| Alkalinity, Total as CaCO ₃ | | 343 | mg/L | 5.0 | | | | 1.2 | 10 | |
| Carbonate as CO ₃ | | ND | mg/L | 5.0 | | | | | 10 | |
| Bicarbonate as HCO ₃ | | 419 | mg/L | 5.0 | | | | 2.8 | 10 | |
| Sample ID: C11120665-004AMS | | Sample Matrix Spike | | | | | Run: MANTECH_111228A | | | 12/28/11 12:50 |
| Alkalinity, Total as CaCO ₃ | | 553 | mg/L | 5.0 | 96 | 80 | 120 | | | |

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 02/28/12

Project: Marsland Baseline Private Well Samples

Work Order: C11120731

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|---|----------|-----|------|-----------|------------|-----------------------------------|----------|----------------|
| Method: A2510 B | | | | | | | | Analytical Run: ORION555A_111228A | | |
| Sample ID: ICV2_111228_1 | | Initial Calibration Verification Standard | | | | | | | | 12/28/11 08:52 |
| Conductivity @ 25 C | | 1410 | umhos/cm | 1.0 | 100 | 90 | 110 | | | |
| Method: A2510 B | | | | | | | | Batch: 111228_1_PH-W_555A-1 | | |
| Sample ID: MBLK1_111228_1 | | Method Blank | | | | | | | | 12/28/11 08:49 |
| Conductivity @ 25 C | | 0.8 | umhos/cm | 0.2 | | | | | | |
| Sample ID: C11120714-001ADUP | | Sample Duplicate | | | | | | | | 12/28/11 09:22 |
| Conductivity @ 25 C | | 1180 | umhos/cm | 1.0 | | | | 0.1 | 10 | |

Qualifiers:

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MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 02/28/12

Project: Marsland Baseline Private Well Samples

Work Order: C11120731

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|----------------------------|-------|--------------------|------|----------------|------------|-----|----------|------|
| Method: A2540 C | | Batch: 111223_1_SLDS-TDS-W | | | | | | | | |
| Sample ID: MBLK1_111223 | | Method Blank | | Run: BAL-1_111223A | | 12/23/11 09:20 | | | | |
| Solids, Total Dissolved TDS @ 180 C | | ND | mg/L | 4 | | | | | | |
| Sample ID: LCS1_111223 | | Laboratory Control Sample | | Run: BAL-1_111223A | | 12/23/11 09:20 | | | | |
| Solids, Total Dissolved TDS @ 180 C | | 1670 | mg/L | 10 | 100 | 90 | 110 | | | |
| Sample ID: C11120723-003AMS | | Sample Matrix Spike | | Run: BAL-1_111223A | | 12/23/11 12:30 | | | | |
| Solids, Total Dissolved TDS @ 180 C | | 64400 | mg/L | 120 | 101 | 90 | 110 | | | |
| Sample ID: C11120739-003ADUP | | Sample Duplicate | | Run: BAL-1_111223A | | 12/23/11 12:33 | | | | |
| Solids, Total Dissolved TDS @ 180 C | | 410 | mg/L | 10 | | | | 0.8 | 5 | |

Qualifiers:

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MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 02/28/12

Project: Marsland Baseline Private Well Samples

Work Order: C11120731

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------------------------------|--------|-------|-------|------|-----------|------------|-----|----------|-------------------------------------|
| Method: A4500-F C | | | | | | | | | | Batch: R154884 |
| Sample ID: MBLK | Method Blank | | | | | | | | | |
| Fluoride | | 0.01 | mg/L | 0.008 | | | | | | Run: MANTECH_111229A 12/29/11 12:02 |
| Sample ID: LCS-6622 | Laboratory Control Sample | | | | | | | | | |
| Fluoride | | 2.00 | mg/L | 0.10 | 100 | 90 | 110 | | | Run: MANTECH_111229A 12/29/11 12:05 |
| Sample ID: C11120731-001BMS | Sample Matrix Spike | | | | | | | | | |
| Fluoride | | 2.62 | mg/L | 0.10 | 99 | 80 | 120 | | | Run: MANTECH_111229A 12/29/11 12:23 |
| Sample ID: C11120731-001BMSD | Sample Matrix Spike Duplicate | | | | | | | | | |
| Fluoride | | 2.62 | mg/L | 0.10 | 99 | 80 | 120 | 0.0 | 10 | Run: MANTECH_111229A 12/29/11 12:25 |

Qualifiers:

RL - Analyte reporting limit.

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MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 02/28/12

Project: Marsland Baseline Private Well Samples

Work Order: C11120731

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|---|-------|------------------------|------|-----------|------------|-----------------------------------|----------|----------------|
| Method: A4500-H B | | | | | | | | Analytical Run: ORION555A_111228A | | |
| Sample ID: ICV1_111228_1 | | Initial Calibration Verification Standard | | | | | | | | 12/28/11 08:51 |
| pH | | 6.80 | s.u. | 0.010 | 99 | 98 | 102 | | | |
| Method: A4500-H B | | | | | | | | Batch: 111228_1_PH-W_555A-1 | | |
| Sample ID: C11120714-001ADUP | | Sample Duplicate | | Run: ORION555A_111228A | | | | 12/28/11 09:22 | | |
| pH | | 11.0 | s.u. | 0.010 | | | | 0.0 | 3 | |

Qualifiers:

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MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 02/28/12

Project: Marsland Baseline Private Well Samples

Work Order: C11120731

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|-------|------|-----------|------------------------|-----|----------|----------------|
| Method: A4500-NH3 G | | | | | | | | | | Batch: R154889 |
| Sample ID: MBLK-1 | | Method Blank | | | | | Run: TECHNICON_111229B | | | 12/29/11 15:16 |
| Nitrogen, Ammonia as N | | ND | mg/L | 0.02 | | | | | | |
| Sample ID: LCS-2 | | Laboratory Control Sample | | | | | Run: TECHNICON_111229B | | | 12/29/11 15:18 |
| Nitrogen, Ammonia as N | | 2.03 | mg/L | 0.050 | 100 | 90 | 110 | | | |
| Sample ID: LFB-3 | | Laboratory Fortified Blank | | | | | Run: TECHNICON_111229B | | | 12/29/11 15:20 |
| Nitrogen, Ammonia as N | | 2.07 | mg/L | 0.050 | 105 | 80 | 120 | | | |
| Sample ID: C11120723-001DMS | | Sample Matrix Spike | | | | | Run: TECHNICON_111229B | | | 12/29/11 16:14 |
| Nitrogen, Ammonia as N | | 9.68 | mg/L | 0.25 | 99 | 90 | 110 | | | |
| Sample ID: C11120723-001DMSD | | Sample Matrix Spike Duplicate | | | | | Run: TECHNICON_111229B | | | 12/29/11 16:16 |
| Nitrogen, Ammonia as N | | 9.68 | mg/L | 0.25 | 99 | 90 | 110 | 0.0 | 10 | |

Qualifiers:

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MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Project: Marsland Baseline Private Well Samples

Report Date: 02/28/12

Work Order: C11120731

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|---|-------|--------|------|---------------------|------------|-----|----------|--------------------------------|
| Method: E200.7 | | | | | | | | | | Analytical Run: ICP2-C_120111A |
| Sample ID: ICV | | Initial Calibration Verification Standard | | | | | | | | 01/11/12 13:05 |
| Molybdenum | | 0.989 | mg/L | 0.10 | 99 | 95 | 105 | | | |
| Sample ID: ICSA | | Interference Check Sample A | | | | | | | | 01/11/12 13:39 |
| Molybdenum | | -0.0139 | mg/L | 0.10 | | | | | | |
| Sample ID: ICSAB | | Interference Check Sample AB | | | | | | | | 01/11/12 13:43 |
| Molybdenum | | -0.0151 | mg/L | 0.10 | | | | | | |
| Method: E200.7 | | | | | | | | | | Batch: R155281 |
| Sample ID: MB-120110A | | Method Blank | | | | Run: ICP2-C_120111A | | | | 01/11/12 14:04 |
| Molybdenum | | 0.003 | mg/L | 0.001 | | | | | | |
| Sample ID: LFB-120110A | | Laboratory Fortified Blank | | | | Run: ICP2-C_120111A | | | | 01/11/12 14:08 |
| Molybdenum | | 0.922 | mg/L | 0.10 | 92 | 85 | 115 | | | |
| Sample ID: C11120719-003BMS2 | | Sample Matrix Spike | | | | Run: ICP2-C_120111A | | | | 01/11/12 16:17 |
| Molybdenum | | 1.88 | mg/L | 0.0023 | 91 | 70 | 130 | | | |
| Sample ID: C11120719-003BMSD | | Sample Matrix Spike Duplicate | | | | Run: ICP2-C_120111A | | | | 01/11/12 16:21 |
| Molybdenum | | 1.91 | mg/L | 0.0023 | 93 | 70 | 130 | 1.6 | 20 | |
| Method: E200.7 | | | | | | | | | | Analytical Run: ICP2-C_120114A |
| Sample ID: ICV | | Initial Calibration Verification Standard | | | | | | | | 01/14/12 10:02 |
| Silicon | | 10.5 | mg/L | 0.10 | 105 | 95 | 105 | | | |
| Sample ID: ICSA | | Interference Check Sample A | | | | | | | | 01/14/12 10:31 |
| Silicon | | 0.0145 | mg/L | 0.10 | | | | | | |
| Sample ID: ICSAB | | Interference Check Sample AB | | | | | | | | 01/14/12 10:35 |
| Silicon | | 0.00940 | mg/L | 0.10 | | | | | | |
| Method: E200.7 | | | | | | | | | | Batch: R155357 |
| Sample ID: MB-120114A | | Method Blank | | | | Run: ICP2-C_120114A | | | | 01/14/12 10:55 |
| Silicon | | 0.01 | mg/L | 0.007 | | | | | | |
| Sample ID: LFB-120114A | | Laboratory Fortified Blank | | | | Run: ICP2-C_120114A | | | | 01/14/12 10:59 |
| Silicon | | 0.464 | mg/L | 0.10 | 101 | 85 | 115 | | | |
| Sample ID: C11120881-001BMS2 | | Sample Matrix Spike | | | | Run: ICP2-C_120114A | | | | 01/14/12 13:14 |
| Silicon | | 0.888 | mg/L | 0.10 | 106 | 70 | 130 | | | |
| Sample ID: C11120881-001BMSD | | Sample Matrix Spike Duplicate | | | | Run: ICP2-C_120114A | | | | 01/14/12 13:18 |
| Silicon | | 0.896 | mg/L | 0.10 | 107 | 70 | 130 | 0.9 | 20 | |

Qualifiers:

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MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 02/28/12

Project: Marsland Baseline Private Well Samples

Work Order: C11120731

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|--|-------|---------|-------|---------|------|-----------|------------|-----|----------|------|
| Method: E200.8 Analytical Run: ICPMS2-C_111230A | | | | | | | | | | |
| Sample ID: ICV Initial Calibration Verification Standard 12/30/11 10:23 | | | | | | | | | | |
| Uranium | | 0.0496 | mg/L | 0.00030 | 99 | 90 | 110 | | | |
| Method: E200.8 Batch: 32300 | | | | | | | | | | |
| Sample ID: MB-32300 Method Blank Run: ICPMS2-C_111230A 12/30/11 20:54 | | | | | | | | | | |
| Uranium | | 0.0001 | mg/L | 6E-05 | | | | | | |
| Sample ID: LCS2-32300 Laboratory Control Sample Run: ICPMS2-C_111230A 12/30/11 21:03 | | | | | | | | | | |
| Uranium | | 0.0982 | mg/L | 0.00030 | 98 | 85 | 115 | | | |
| Sample ID: C11120731-001HMS Sample Matrix Spike Run: ICPMS2-C_111230A 12/30/11 21:09 | | | | | | | | | | |
| Uranium | | 0.00436 | mg/L | 0.00030 | 97 | 70 | 130 | | | |
| Sample ID: C11120731-001HMSD Sample Matrix Spike Duplicate Run: ICPMS2-C_111230A 12/30/11 21:10 | | | | | | | | | | |
| Uranium | | 0.00433 | mg/L | 0.00030 | 96 | 70 | 130 | 0.6 | 20 | |

Qualifiers:

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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 02/28/12

Project: Marsland Baseline Private Well Samples

Work Order: C11120731

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-----------------------|-------|---|-------|---------|------|-----------|------------|-----|----------|----------------|
| Method: E200.8 | | Analytical Run: ICPMS4-C_111230A | | | | | | | | |
| Sample ID: ICV | 20 | Initial Calibration Verification Standard | | | | | | | | 12/30/11 10:59 |
| Aluminum | | 0.0482 | mg/L | 0.0010 | 96 | 90 | 110 | | | |
| Arsenic | | 0.0497 | mg/L | 0.0010 | 99 | 90 | 110 | | | |
| Barium | | 0.0494 | mg/L | 0.0010 | 99 | 90 | 110 | | | |
| Boron | | 0.0502 | mg/L | 0.0010 | 100 | 90 | 110 | | | |
| Cadmium | | 0.0503 | mg/L | 0.0010 | 101 | 90 | 110 | | | |
| Calcium | | 9.70 | mg/L | 0.0066 | 97 | 90 | 110 | | | |
| Chromium | | 0.0497 | mg/L | 0.0010 | 99 | 90 | 110 | | | |
| Copper | | 0.0503 | mg/L | 0.0010 | 101 | 90 | 110 | | | |
| Iron | | 1.07 | mg/L | 0.0010 | 107 | 90 | 110 | | | |
| Lead | | 0.0492 | mg/L | 0.0010 | 98 | 90 | 110 | | | |
| Magnesium | | 9.67 | mg/L | 0.0027 | 97 | 90 | 110 | | | |
| Manganese | | 0.0501 | mg/L | 0.0010 | 100 | 90 | 110 | | | |
| Mercury | | 0.00519 | mg/L | 0.0010 | 104 | 90 | 110 | | | |
| Nickel | | 0.0500 | mg/L | 0.0010 | 100 | 90 | 110 | | | |
| Potassium | | 9.72 | mg/L | 0.0041 | 97 | 90 | 110 | | | |
| Selenium | | 0.0522 | mg/L | 0.0010 | 104 | 90 | 110 | | | |
| Sodium | | 9.69 | mg/L | 0.0043 | 97 | 90 | 110 | | | |
| Uranium | | 0.0494 | mg/L | 0.00030 | 99 | 90 | 110 | | | |
| Vanadium | | 0.0491 | mg/L | 0.0010 | 98 | 90 | 110 | | | |
| Zinc | | 0.0513 | mg/L | 0.0010 | 103 | 90 | 110 | | | |

| | | | | | | | | | |
|-----------------------|----|-----------------------|------|--------|--|--|--|--|--|
| Method: E200.8 | | Batch: R154953A | | | | | | | |
| Sample ID: LRB | 20 | Method Blank | | | | | | | |
| | | Run: ICPMS4-C_111230A | | | | | | | |
| | | 12/30/11 12:08 | | | | | | | |
| Aluminum | | ND | mg/L | 0.0002 | | | | | |
| Arsenic | | ND | mg/L | 5E-05 | | | | | |
| Barium | | ND | mg/L | 7E-05 | | | | | |
| Boron | | ND | mg/L | 0.0004 | | | | | |
| Cadmium | | ND | mg/L | 3E-05 | | | | | |
| Calcium | | ND | mg/L | 0.007 | | | | | |
| Chromium | | ND | mg/L | 4E-05 | | | | | |
| Copper | | ND | mg/L | 3E-05 | | | | | |
| Iron | | ND | mg/L | 0.0006 | | | | | |
| Lead | | ND | mg/L | 2E-05 | | | | | |
| Magnesium | | ND | mg/L | 0.003 | | | | | |
| Manganese | | ND | mg/L | 3E-05 | | | | | |
| Mercury | | ND | mg/L | 5E-05 | | | | | |
| Nickel | | ND | mg/L | 9E-05 | | | | | |
| Potassium | | ND | mg/L | 0.004 | | | | | |
| Selenium | | ND | mg/L | 7E-05 | | | | | |
| Sodium | | ND | mg/L | 0.004 | | | | | |
| Uranium | | 5E-05 | mg/L | 9E-06 | | | | | |
| Vanadium | | ND | mg/L | 4E-05 | | | | | |
| Zinc | | ND | mg/L | 0.0002 | | | | | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 02/28/12

Project: Marsland Baseline Private Well Samples

Work Order: C11120731

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|----------------------------------|---------|-------|---------|------|-----------------------|------------|-----|----------------|-----------------|
| Method: E200.8 | | | | | | | | | | Batch: R154953A |
| Sample ID: LFB | 20 Laboratory Fortified Blank | | | | | Run: ICPMS4-C_111230A | | | 12/30/11 12:15 | |
| Aluminum | | 0.0522 | mg/L | 0.0010 | 104 | 85 | 115 | | | |
| Arsenic | | 0.0523 | mg/L | 0.0010 | 105 | 85 | 115 | | | |
| Barium | | 0.0503 | mg/L | 0.0010 | 101 | 85 | 115 | | | |
| Boron | | 0.0491 | mg/L | 0.0010 | 98 | 85 | 115 | | | |
| Cadmium | | 0.0511 | mg/L | 0.0010 | 102 | 85 | 115 | | | |
| Calcium | | 12.7 | mg/L | 0.0066 | 102 | 85 | 115 | | | |
| Chromium | | 0.0516 | mg/L | 0.0010 | 103 | 85 | 115 | | | |
| Copper | | 0.0517 | mg/L | 0.0010 | 103 | 85 | 115 | | | |
| Iron | | 1.29 | mg/L | 0.0010 | 103 | 85 | 115 | | | |
| Lead | | 0.0508 | mg/L | 0.0010 | 102 | 85 | 115 | | | |
| Magnesium | | 12.6 | mg/L | 0.0027 | 101 | 85 | 115 | | | |
| Manganese | | 0.0513 | mg/L | 0.0010 | 103 | 85 | 115 | | | |
| Mercury | | 0.00506 | mg/L | 0.0010 | 101 | 85 | 115 | | | |
| Nickel | | 0.0518 | mg/L | 0.0010 | 103 | 85 | 115 | | | |
| Potassium | | 12.7 | mg/L | 0.0041 | 101 | 85 | 115 | | | |
| Selenium | | 0.0510 | mg/L | 0.0010 | 102 | 85 | 115 | | | |
| Sodium | | 12.7 | mg/L | 0.0043 | 102 | 85 | 115 | | | |
| Uranium | | 0.0503 | mg/L | 0.00030 | 100 | 85 | 115 | | | |
| Vanadium | | 0.0515 | mg/L | 0.0010 | 103 | 85 | 115 | | | |
| Zinc | | 0.0539 | mg/L | 0.0010 | 108 | 85 | 115 | | | |
| Sample ID: C11120623-006CMS4 | 20 Sample Matrix Spike | | | | | Run: ICPMS4-C_111230A | | | 12/30/11 19:44 | |
| Aluminum | | 0.0483 | mg/L | 0.0010 | 63 | 70 | 130 | | | S |
| Arsenic | | 0.0565 | mg/L | 0.0010 | 105 | 70 | 130 | | | |
| Barium | | 0.147 | mg/L | 0.10 | 106 | 70 | 130 | | | |
| Boron | | 0.0680 | mg/L | 0.0010 | 86 | 70 | 130 | | | |
| Cadmium | | 0.0508 | mg/L | 0.010 | 102 | 70 | 130 | | | |
| Calcium | | 45.2 | mg/L | 1.0 | 111 | 70 | 130 | | | |
| Chromium | | 0.0513 | mg/L | 0.050 | 102 | 70 | 130 | | | |
| Copper | | 0.0518 | mg/L | 0.010 | 98 | 70 | 130 | | | |
| Iron | | 1.32 | mg/L | 0.030 | 101 | 70 | 130 | | | |
| Lead | | 0.0516 | mg/L | 0.050 | 103 | 70 | 130 | | | |
| Magnesium | | 19.9 | mg/L | 1.0 | 108 | 70 | 130 | | | |
| Manganese | | 0.0605 | mg/L | 0.010 | 100 | 70 | 130 | | | |
| Mercury | | 0.00518 | mg/L | 0.0010 | 104 | 70 | 130 | | | |
| Nickel | | 0.0486 | mg/L | 0.0010 | 96 | 70 | 130 | | | |
| Potassium | | 17.5 | mg/L | 1.0 | 106 | 70 | 130 | | | |
| Selenium | | 0.0560 | mg/L | 0.0010 | 111 | 70 | 130 | | | |
| Sodium | | 44.9 | mg/L | 1.0 | 109 | 70 | 130 | | | |
| Uranium | | 0.0579 | mg/L | 0.00030 | 104 | 70 | 130 | | | |
| Vanadium | | 0.0551 | mg/L | 0.0010 | 97 | 70 | 130 | | | |
| Zinc | | 0.302 | mg/L | 0.010 | | 70 | 130 | | | A |
| Sample ID: C11120623-006CMSD | 20 Sample Matrix Spike Duplicate | | | | | Run: ICPMS4-C_111230A | | | 12/30/11 19:50 | |
| Aluminum | | 0.0487 | mg/L | 0.0010 | 64 | 70 | 130 | 0.8 | 20 | S |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 02/28/12

Project: Marsland Baseline Private Well Samples

Work Order: C11120731

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-----------------|-------------------------------|---------|-----------------------|-----------|----------------|-----|----------|------|
| Method: E200.8 | | Batch: R154953A | | | | | | | | |
| Sample ID: C11120623-006CMSD | | 20 | Sample Matrix Spike Duplicate | | Run: ICPMS4-C_111230A | | 12/30/11 19:50 | | | |
| Arsenic | | 0.0566 | mg/L | 0.0010 | 105 | 70 | 130 | 0.2 | 20 | |
| Barium | | 0.145 | mg/L | 0.10 | 104 | 70 | 130 | 0.8 | 20 | |
| Boron | | 0.0697 | mg/L | 0.0010 | 89 | 70 | 130 | 2.5 | 20 | |
| Cadmium | | 0.0509 | mg/L | 0.010 | 102 | 70 | 130 | 0.1 | 20 | |
| Calcium | | 45.1 | mg/L | 1.0 | 111 | 70 | 130 | 0.1 | 20 | |
| Chromium | | 0.0517 | mg/L | 0.050 | 102 | 70 | 130 | 0.7 | 20 | |
| Copper | | 0.0521 | mg/L | 0.010 | 99 | 70 | 130 | 0.7 | 20 | |
| Iron | | 1.33 | mg/L | 0.030 | 102 | 70 | 130 | 1.1 | 20 | |
| Lead | | 0.0511 | mg/L | 0.050 | 102 | 70 | 130 | 1.0 | 20 | |
| Magnesium | | 20.0 | mg/L | 1.0 | 108 | 70 | 130 | 0.2 | 20 | |
| Manganese | | 0.0607 | mg/L | 0.010 | 101 | 70 | 130 | 0.5 | 20 | |
| Mercury | | 0.00524 | mg/L | 0.0010 | 105 | 70 | 130 | 1.2 | 20 | |
| Nickel | | 0.0497 | mg/L | 0.0010 | 98 | 70 | 130 | 2.4 | 20 | |
| Potassium | | 17.8 | mg/L | 1.0 | 108 | 70 | 130 | 1.5 | 20 | |
| Selenium | | 0.0554 | mg/L | 0.0010 | 110 | 70 | 130 | 1.1 | 20 | |
| Sodium | | 44.2 | mg/L | 1.0 | 104 | 70 | 130 | 1.5 | 20 | |
| Uranium | | 0.0578 | mg/L | 0.00030 | 104 | 70 | 130 | 0.1 | 20 | |
| Vanadium | | 0.0560 | mg/L | 0.0010 | 98 | 70 | 130 | 1.7 | 20 | |
| Zinc | | 0.303 | mg/L | 0.010 | | 70 | 130 | 0.3 | 20 | A |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 02/28/12

Project: Marsland Baseline Private Well Samples

Work Order: C11120731

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|---|-------|------|------|-----------|------------|-------------------------------|----------|----------------|
| Method: E300.0 | | | | | | | | Analytical Run: IC2-C_111229A | | |
| Sample ID: ICV-122911-10 | 2 | Initial Calibration Verification Standard | | | | | | | | 12/29/11 14:44 |
| Chloride | | 10.0 | mg/L | 1.0 | 100 | 90 | 110 | | | |
| Sulfate | | 40.4 | mg/L | 1.0 | 101 | 90 | 110 | | | |
| Method: E300.0 | | | | | | | | Batch: R154925 | | |
| Sample ID: ICB-122911-11 | 2 | Method Blank | | | | | | | | 12/29/11 14:57 |
| Chloride | | ND | mg/L | 0.10 | | | | | | |
| Sulfate | | 0.2 | mg/L | 0.08 | | | | | | |
| Sample ID: LFB-122911-12 | 2 | Laboratory Fortified Blank | | | | | | | | 12/29/11 15:11 |
| Chloride | | 10.3 | mg/L | 1.0 | 103 | 90 | 110 | | | |
| Sulfate | | 40.2 | mg/L | 1.0 | 100 | 90 | 110 | | | |
| Sample ID: C11120685-001AMS | 2 | Sample Matrix Spike | | | | | | | | 12/29/11 18:45 |
| Chloride | | 26.8 | mg/L | 1.0 | 101 | 90 | 110 | | | |
| Sulfate | | 226 | mg/L | 1.6 | 91 | 90 | 110 | | | |
| Sample ID: C11120685-001AMSD | 2 | Sample Matrix Spike Duplicate | | | | | | | | 12/29/11 18:59 |
| Chloride | | 26.7 | mg/L | 1.0 | 101 | 90 | 110 | 0.2 | 10 | |
| Sulfate | | 225 | mg/L | 1.6 | 90 | 90 | 110 | 0.4 | 10 | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Project: Marsland Baseline Private Well Samples

Report Date: 02/28/12

Work Order: C11120731

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|------|------|-----------|------------------------|-----|----------|----------------|
| Method: E353.2 | | | | | | | | | | Batch: R154758 |
| Sample ID: MBLK-1 | | Method Blank | | | | | Run: TECHNICON_111223A | | | 12/23/11 11:50 |
| Nitrogen, Nitrate+Nitrite as N | | ND | mg/L | 0.06 | | | | | | |
| Sample ID: LCS-2 | | Laboratory Control Sample | | | | | Run: TECHNICON_111223A | | | 12/23/11 11:53 |
| Nitrogen, Nitrate+Nitrite as N | | 2.55 | mg/L | 0.10 | 102 | 90 | 110 | | | |
| Sample ID: LFB-3 | | Laboratory Fortified Blank | | | | | Run: TECHNICON_111223A | | | 12/23/11 11:55 |
| Nitrogen, Nitrate+Nitrite as N | | 1.97 | mg/L | 0.10 | 101 | 90 | 110 | | | |
| Sample ID: C11120736-001AMS | | Sample Matrix Spike | | | | | Run: TECHNICON_111223A | | | 12/23/11 13:25 |
| Nitrogen, Nitrate+Nitrite as N | | 2.08 | mg/L | 0.10 | 99 | 90 | 110 | | | |
| Sample ID: C11120736-001AMSD | | Sample Matrix Spike Duplicate | | | | | Run: TECHNICON_111223A | | | 12/23/11 13:28 |
| Nitrogen, Nitrate+Nitrite as N | | 2.12 | mg/L | 0.10 | 101 | 90 | 110 | 1.9 | 10 | |

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 02/28/12

Project: Marsland Baseline Private Well Samples

Work Order: C11120731

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|-------|-----|------|-----------------------------|------------|-----|----------|-------------------|
| Method: E903.0 | | | | | | | | | | Batch: RA226-5771 |
| Sample ID: MB-RA226-5771 | 3 | Method Blank | | | | Run: BERTHOLD 770-1_120103A | | | | 01/09/12 12:56 |
| Radium 226 | | -0.03 | pCi/L | | | | | | | U |
| Radium 226 precision (±) | | 0.09 | pCi/L | | | | | | | |
| Radium 226 MDC | | 0.2 | pCi/L | | | | | | | |
| Sample ID: LCS-RA226-5771 | | Laboratory Control Sample | | | | Run: BERTHOLD 770-1_120103A | | | | 01/09/12 12:56 |
| Radium 226 | | 6.5 | pCi/L | 103 | | 80 | 120 | | | |
| Sample ID: C11120751-001EMS | | Sample Matrix Spike | | | | Run: BERTHOLD 770-1_120103A | | | | 01/09/12 12:56 |
| Radium 226 | | 15 | pCi/L | 117 | | 70 | 130 | | | |
| Sample ID: C11120751-001EMSD | | Sample Matrix Spike Duplicate | | | | Run: BERTHOLD 770-1_120103A | | | | 01/09/12 12:56 |
| Radium 226 | | 16 | pCi/L | 125 | | 70 | 130 | 6.3 | 26.4 | |
| Method: E903.0 | | | | | | | | | | Batch: R155169 |
| Sample ID: C11120623-003HMS | | Sample Matrix Spike | | | | Run: BERTHOLD 770-2_111230A | | | | 01/09/12 12:58 |
| Radium 226 | | 9.8 | pCi/L | 97 | | 70 | 130 | | | |
| Sample ID: C11120623-003HMSD | | Sample Matrix Spike Duplicate | | | | Run: BERTHOLD 770-2_111230A | | | | 01/09/12 12:58 |
| Radium 226 | | 9.2 | pCi/L | 90 | | 70 | 130 | 6.5 | 25.8 | |
| Sample ID: LCS-32280 | | Laboratory Control Sample | | | | Run: BERTHOLD 770-2_111230A | | | | 01/09/12 12:58 |
| Radium 226 | | 11 | pCi/L | 88 | | 85 | 115 | | | |
| Sample ID: MB-32280 | 3 | Method Blank | | | | Run: BERTHOLD 770-2_111230A | | | | 01/09/12 14:30 |
| Radium 226 | | 0.03 | pCi/L | | | | | | | U |
| Radium 226 precision (±) | | 0.1 | pCi/L | | | | | | | |
| Radium 226 MDC | | 0.3 | pCi/L | | | | | | | |

Qualifiers:

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MDC - Minimum detectable concentration

U - Not detected at minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 02/28/12

Project: Marsland Baseline Private Well Samples

Work Order: C11120731

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------|-------------------------------|--------------|------------|----|------|--------------------------|------------|-----------------------|----------|------|
| Method: E908.0 | | | | | | | | Batch: RA-TH-ISO-1546 | | |
| Sample ID: LCS-RA-TH-ISO-1546 | Laboratory Control Sample | | | | | Run: ALPHANALYST_120110A | | 01/12/12 09:23 | | |
| Thorium 230 | | 6.12 | pCi/L | | 108 | 70 | 130 | | | |
| Sample ID: C11120731-001DMS | Sample Matrix Spike | | | | | Run: ALPHANALYST_120110A | | 01/12/12 09:23 | | |
| Thorium 230 | | 11 | pCi/L | | 100 | 70 | 130 | | | |
| Sample ID: C11120731-001DMSD | Sample Matrix Spike Duplicate | | | | | Run: ALPHANALYST_120110A | | 01/12/12 09:24 | | |
| Thorium 230 | | 9.4 | pCi/L | | 85 | 70 | 130 | 17 | 39.4 | |
| Sample ID: MB-RA-TH-ISO-1546 | 3 | Method Blank | | | | Run: ALPHANALYST_120110A | | 01/12/12 09:24 | | |
| Thorium 230 | | -0.02 | pCi/L | | | | | U | | |
| Thorium 230 precision (±) | | 0.07 | pCi/L | | | | | | | |
| Thorium 230 MDC | | 0.2 | pCi/L | | | | | | | |
| Method: E908.0 | | | | | | | | Batch: 32300 | | |
| Sample ID: C11120731-001HMS | Sample Matrix Spike | | | | | Run: EGG-ORTEC_120103B | | 01/06/12 19:17 | | |
| Thorium 230 | | 4.5 | pCi/L | | 104 | 70 | 130 | | | |
| Sample ID: C11120731-001HMSD | Sample Matrix Spike Duplicate | | | | | Run: EGG-ORTEC_120103B | | 01/06/12 19:17 | | |
| Thorium 230 | | 5.1 | pCi/L | | 117 | 70 | 130 | 12 | 34.6 | |
| Sample ID: LCS-32300 | Laboratory Control Sample | | | | | Run: EGG-ORTEC_120103B | | 01/06/12 19:17 | | |
| Thorium 230 | | 5.76 | pCi/Filter | | 116 | 70 | 130 | | | |
| Sample ID: MB-32300 | 3 | Method Blank | | | | Run: EGG-ORTEC_120103B | | 01/06/12 19:17 | | |
| Thorium 230 | | 0.1 | pCi/Filter | | | | | | | |
| Thorium 230 precision (±) | | 0.07 | pCi/Filter | | | | | | | |
| Thorium 230 MDC | | 0.08 | pCi/Filter | | | | | | | |

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Report Date: 02/28/12

Project: Marsland Baseline Private Well Samples

Work Order: C11120731

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------|-------------------------------|------------|-----|------|-----------------|------------|-----------------------|----------------|------|
| Method: E909.0 | | | | | | | | Batch: T_PB-210-0200R | | |
| Sample ID: MB-PB-210-0200 | 3 | Method Blank | | | | Run: SUB-T43555 | | | 01/06/12 19:44 | |
| Lead 210 | | -0.4 | pCi/L | | | | | | | U |
| Lead 210 precision (±) | | 0.6 | pCi/L | | | | | | | |
| Lead 210 MDC | | 1 | pCi/L | | | | | | | |
| Sample ID: LCS-PB-210-0200 | | Laboratory Control Sample | | | | Run: SUB-T43555 | | | 01/06/12 21:59 | |
| Lead 210 | | 86 | pCi/L | 102 | | 70 | 130 | | | |
| Sample ID: C11120731-001EMS | | Sample Matrix Spike | | | | Run: SUB-T43555 | | | 01/07/12 06:58 | |
| Lead 210 | | 160 | pCi/L | 99 | | 70 | 130 | | | |
| Sample ID: C11120731-001EMSD | | Sample Matrix Spike Duplicate | | | | Run: SUB-T43555 | | | 01/07/12 09:13 | |
| Lead 210 | | 170 | pCi/L | 107 | | 70 | 130 | 6.9 | 13.8 | |
| Method: E909.0 | | | | | | | | Batch: T_15486 | | |
| Sample ID: MB-15486 | 3 | Method Blank | | | | Run: SUB-T43556 | | | 01/08/12 02:40 | |
| Lead 210 | | 0.9 | pCi/Filter | | | | | | | U |
| Lead 210 precision (±) | | 5 | pCi/Filter | | | | | | | |
| Lead 210 MDC | | 9 | pCi/Filter | | | | | | | |
| Sample ID: LCS-15486 | | Laboratory Control Sample | | | | Run: SUB-T43556 | | | 01/08/12 04:45 | |
| Lead 210 | | 611 | pCi/Filter | 109 | | 70 | 130 | | | |
| Sample ID: C11120710-003AMS | | Sample Matrix Spike | | | | Run: SUB-T43556 | | | 01/08/12 13:05 | |
| Lead 210 | | 1960 | pCi/Filter | 115 | | 70 | 130 | | | |
| Sample ID: C11120710-003AMSD | | Sample Matrix Spike Duplicate | | | | Run: SUB-T43556 | | | 01/08/12 15:10 | |
| Lead 210 | | 2040 | pCi/Filter | 119 | | 70 | 130 | 3.6 | 13.7 | |

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Crow Butte Resources

Project: Marsland Baseline Private Well Samples

Report Date: 02/28/12

Work Order: C11120731

| Analyte | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------------|-------------------------------|--------------|-------|-----|------|--------------------------|------------|-----|----------|-------------------|
| Method: E912.0 | | | | | | | | | | Batch: R156705 |
| Sample ID: C11120623-004HMS | Sample Matrix Spike | | | | | Run: ALPHANALYST_120213B | | | | 02/23/12 13:35 |
| Polonium 210 | | 5.7 | pCi/L | 88 | | 70 | 130 | | | |
| Sample ID: C11120623-004HMSD | Sample Matrix Spike Duplicate | | | | | Run: ALPHANALYST_120213B | | | | 02/23/12 13:35 |
| Polonium 210 | | 5.1 | pCi/L | 79 | | 70 | 130 | 11 | | 82.3 |
| Sample ID: LCS-32280 | Laboratory Control Sample | | | | | Run: ALPHANALYST_120213B | | | | 02/23/12 13:35 |
| Polonium 210 | | 35 | pCi/L | 101 | | 70 | 130 | | | |
| Sample ID: MB-32280 | 3 | Method Blank | | | | Run: ALPHANALYST_120213B | | | | 02/23/12 13:35 |
| Polonium 210 | | -0.1 | pCi/L | | | | | | | U |
| Polonium 210 precision (\pm) | | 2 | pCi/L | | | | | | | |
| Polonium 210 MDC | | 7 | pCi/L | | | | | | | |
| Method: E912.0 | | | | | | | | | | Batch: PO210-0414 |
| Sample ID: C11120623-002FMS | Sample Matrix Spike | | | | | Run: EGG-ORTEC_120125C | | | | 01/27/12 08:27 |
| Polonium 210 | | 13 | pCi/L | 102 | | 70 | 130 | | | |
| Sample ID: C11120623-002FMSD | Sample Matrix Spike Duplicate | | | | | Run: EGG-ORTEC_120125C | | | | 01/27/12 08:27 |
| Polonium 210 | | 12 | pCi/L | 95 | | 70 | 130 | 8.4 | | 108.8 |
| Sample ID: MB-PO210-0414 | 3 | Method Blank | | | | Run: EGG-ORTEC_120125C | | | | 01/27/12 10:10 |
| Polonium 210 | | 0.4 | pCi/L | | | | | | | U |
| Polonium 210 precision (\pm) | | 0.6 | pCi/L | | | | | | | |
| Polonium 210 MDC | | 0.9 | pCi/L | | | | | | | |
| Sample ID: LCS-PO210-0414 | Laboratory Control Sample | | | | | Run: EGG-ORTEC_120125C | | | | 02/02/12 08:46 |
| Polonium 210 | | 5.0 | pCi/L | 75 | | 70 | 130 | | | |

Qualifiers:

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MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration

Workorder Receipt Checklist

Crow Butte Resources



C11120731

Login completed by: Corinne Wagner

Date Received: 12/23/2011

Reviewed by: BL2000\emcpike

Received by: wc

Reviewed Date: 12/27/2011

Carrier Next Day Air Saver
name:

| | | | |
|---|---|-----------------------------|---|
| Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on shipping container/cooler? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| All samples received within holding time? (Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.) | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |

Container/Temp Blank temperature: 3.2°C On Ice

Water - VOA vials have zero headspace? Yes ☐ No ☐ No VOA vials submitted ☒

Water - pH acceptable upon receipt? Yes ☒ No ☐ Not Applicable ☐

Contact and Corrective Action Comments:

Samples for dissolved/suspended metals and radiochem were subsampled, filtered and preserved with 2 mL HNO₃ in lab upon receipt to pH <2.

Chain of Custody and Analytical Request Record

PLEASE PRINT- Provide as much information as possible.

| | | | | | | | | | | | | | | | | | | | | | | |
|--|--------------------|--------------------|---|-------------------------------|---------------------------|---|----------------------------------|---|--|--------------------|--------------------------|------------------------|-------------------------------|---------------------------|----------------------------------|--|--|--|---|--|--|--|
| Company Name: Crow Butte Resources, Inc. | | | Project Name Marsland Baseline Private Well Samples | | | Sample Origin State: | | | EPA/State Compliance: Yes <input type="checkbox"/> No <input type="checkbox"/> | | | | | | | | | | | | | |
| Report Mail Address: P.O. Box 169 Crawford, NE 69339 | | | Contact Name: Larry Teahon | | | Phone/Fax: 308-665-2341 | | | Email: daxmynus@msn.com | | | | | | | | | | | | | |
| Invoice Address: P.O. Box 169 Crawford, NE 69339 | | | Invoice Contact & Phone: Larry Teahon 308-665-2215 ext 114 | | | Purchase Order: 1125 | | | Quote/Bottle Order: | | | | | | | | | | | | | |
| Special Report/Formats – ELI must be notified prior to sample submittal for the following: <input type="checkbox"/> DW <input type="checkbox"/> A2LA <input type="checkbox"/> GSA <input type="checkbox"/> EDD/EDT (Electronic Data) <input type="checkbox"/> POTW/WWTP <input type="checkbox"/> Format: _____ <input type="checkbox"/> State: _____ <input type="checkbox"/> LEVEL IV <input type="checkbox"/> Other: _____ <input type="checkbox"/> NELAC | | | Number of Containers Sample Type: A W S V B O Air Water Soils/Solids Vegetation Bioassay Other | | | ANALYSIS REQUESTED <table border="1"> <tr> <td>HNO3-F, Metals</td> <td>RAW-F, Common Ions</td> <td>RAW-UF, Alkalinity</td> <td>H2SO4-F, NO2, NO3, NH4</td> <td>Raw-UF, Ra226, Po210 dis, sus</td> <td>Raw-UF, Pb210 dis and sus</td> <td>Raw-UF, Th230, U-nat dis and sus</td> </tr> </table> | | | HNO3-F, Metals | RAW-F, Common Ions | RAW-UF, Alkalinity | H2SO4-F, NO2, NO3, NH4 | Raw-UF, Ra226, Po210 dis, sus | Raw-UF, Pb210 dis and sus | Raw-UF, Th230, U-nat dis and sus | SEE ATTACHED Normal Turnaround (TAT) | | | RUSH Contact ELI prior to RUSH sample submittal for charges and scheduling – See Instruction Page Comments: NDEQ parameters for baseline sampling. Report on separate sheets. Analyze as per WDEQ Guideline 8 and NRC Reg. Guide 4.14 requirements. Record U as mg/L and µCi/ml and radiometrics as pCi/L. | | | |
| HNO3-F, Metals | RAW-F, Common Ions | RAW-UF, Alkalinity | H2SO4-F, NO2, NO3, NH4 | Raw-UF, Ra226, Po210 dis, sus | Raw-UF, Pb210 dis and sus | Raw-UF, Th230, U-nat dis and sus | | | | | | | | | | | | | | | | |
| SAMPLE IDENTIFICATION (Name, Location, Interval, etc.) | | | Collection Date | Collection Time | MATRIX | HNO3-F, Metals RAW-F, Common Ions RAW-UF, Alkalinity H2SO4-F, NO2, NO3, NH4 Raw-UF, Ra226, Po210 dis, sus Raw-UF, Pb210 dis and sus Raw-UF, Th230, U-nat dis and sus | | | SHIPMENT Shipped by: Cooler ID(s): Recept Temp: 3.2 °C On Ice: <input checked="" type="radio"/> Yes <input type="radio"/> No Custody Seal: Y <input checked="" type="radio"/> N Intact: <input checked="" type="radio"/> Y <input type="radio"/> N Signature Match: <input checked="" type="radio"/> Y <input type="radio"/> N | | | | | | | | | | | | | |
| 1 Well #723 | | | 12/20/11 | | Water | .5 | 1 | 1 | .5 | 1 | 1 | 1 | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | | | |
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| 9 | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | |
| Custody Record MUST be Signed | | | Relinquished by (print): Brooke Bass | | Date/Time: 12/21/11 | | Signature: Brooke Bass | | Received by (print): | | Date/Time: | | Signature: | | | | | | | | | |
| | | | Relinquished by (print): | | Date/Time: | | Signature: | | Received by (print): | | Date/Time: | | Signature: | | | | | | | | | |
| | | | Sample Disposal: Return to Client: No | | Lab Disposal: YES | | Received by Laboratory: Marsland | | Date/Time: 12/23/11 | | Signature: Wendy Consten | | | | | | | | | | | |

LABORATORY USE ONLY
C1112073

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report. Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 4/26/2013
Report ID: S1303348001

ProjectName: Marsland Private Wells 1st Qtr. 2013
Lab ID: S1303348-001
ClientSample ID: Well 706
COC: Web

WorkOrder: S1303348
CollectionDate: 3/20/2013 10:45:00 AM
DateReceived: 3/22/2013 2:50:00 PM
FieldSampler: RP
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|
| Metals - Dissolved | | | | | | |
| Uranium | 0.0058 | mg/L | | 0.0003 | EPA 200.8 | 03/23/2013 056 MS |
| Uranium Activity | 3.9 | pCi/L | | 0.2 | Calculation | 04/24/2013 1519 WN |
| Metals - Suspended | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 03/28/2013 2145 MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 04/24/2013 1519 WN |
| Radionuclides - Dissolved | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 04/07/2013 1848 SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/07/2013 1848 SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/08/2013 929 SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/08/2013 929 SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/05/2013 1443 SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/05/2013 1443 SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/11/2013 1033 MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/11/2013 1033 MB |
| Thorium 229 Tracer (30-120) | 89.1 | % | | | ACW10 | 04/11/2013 1033 MB |
| Radionuclides - Suspended | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 04/15/2013 1706 SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/15/2013 1706 SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/15/2013 1238 SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/15/2013 1238 SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/08/2013 1541 SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/08/2013 1541 SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/08/2013 800 MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/08/2013 800 MB |
| Thorium 229 Tracer (30-120) | 66.9 | % | | | ACW10 | 04/08/2013 800 MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 4/26/2013
Report ID: S1303348001

ProjectName: Marsland Private Wells 1st Qtr. 2013
Lab ID: S1303348-002
ClientSample ID: Well 725
COC: Web

WorkOrder: S1303348
CollectionDate: 3/20/2013 9:35:00 AM
DateReceived: 3/22/2013 2:50:00 PM
FieldSampler: RP
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Uranium | 0.0059 | mg/L | | 0.0003 | EPA 200.8 | 03/23/2013 115 | MS |
| Uranium Activity | 4.0 | pCi/L | | 0.2 | Calculation | 04/24/2013 1519 | WN |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 03/28/2013 2204 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 04/24/2013 1519 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 04/07/2013 1848 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/07/2013 1848 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/08/2013 929 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/08/2013 929 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/05/2013 1443 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/05/2013 1443 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/11/2013 1033 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/11/2013 1033 | MB |
| Thorium 229 Tracer (30-120) | 76.0 | % | | | ACW10 | 04/11/2013 1033 | MB |
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | 1.8 | pCi/L | | 1 | OTW01 | 04/15/2013 1706 | SH |
| Lead 210 Precision (±) | 0.5 | pCi/L | | | OTW01 | 04/15/2013 1706 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/15/2013 1238 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/15/2013 1238 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/08/2013 1541 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/08/2013 1541 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/08/2013 800 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/08/2013 800 | MB |
| Thorium 229 Tracer (30-120) | 44.3 | % | | | ACW10 | 04/08/2013 800 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 4/26/2013
Report ID: S1303348001

ProjectName: Marsland Private Wells 1st Qtr. 2013
Lab ID: S1303348-003
ClientSample ID: Well 788
COC: Web

WorkOrder: S1303348
CollectionDate: 3/20/2013 10:25:00 AM
DateReceived: 3/22/2013 2:50:00 PM
FieldSampler: RP
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|
| Metals - Dissolved | | | | | | |
| Uranium | 0.0062 | mg/L | | 0.0003 | EPA 200.8 | 03/23/2013 120 MS |
| Uranium Activity | 4.2 | pCi/L | | 0.2 | Calculation | 04/24/2013 1519 WN |
| Metals - Suspended | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 03/28/2013 2209 MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 04/24/2013 1519 WN |
| Radionuclides - Dissolved | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 04/08/2013 1453 SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/08/2013 1453 SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/08/2013 1110 SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/08/2013 1110 SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/05/2013 1443 SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/05/2013 1443 SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/11/2013 1033 MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/11/2013 1033 MB |
| Thorium 229 Tracer (30-120) | 73.5 | % | | | ACW10 | 04/11/2013 1033 MB |
| Radionuclides - Suspended | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 04/15/2013 1706 SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/15/2013 1706 SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/15/2013 1238 SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/15/2013 1238 SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/08/2013 1541 SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/08/2013 1541 SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/08/2013 800 MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/08/2013 800 MB |
| Thorium 229 Tracer (30-120) | 46.3 | % | | | ACW10 | 04/08/2013 800 MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 4/26/2013
Report ID: S1303348001

ProjectName: Marsland Private Wells 1st Qtr. 2013
Lab ID: S1303348-004
ClientSample ID: Well 799
COC: Web

WorkOrder: S1303348
CollectionDate: 3/20/2013 11:06:00 AM
DateReceived: 3/22/2013 2:50:00 PM
FieldSampler: RP
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Uranium | 0.0076 | mg/L | | 0.0003 | EPA 200.8 | 03/23/2013 125 | MS |
| Uranium Activity | 5.2 | pCi/L | | 0.2 | Calculation | 04/24/2013 1519 | WN |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 03/28/2013 2214 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 04/24/2013 1519 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 04/08/2013 1453 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/08/2013 1453 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/08/2013 1110 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/08/2013 1110 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/05/2013 1443 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/05/2013 1443 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/11/2013 1033 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/11/2013 1033 | MB |
| Thorium 229 Tracer (30-120) | 78.8 | % | | | ACW10 | 04/11/2013 1033 | MB |
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 04/15/2013 1706 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/15/2013 1706 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/15/2013 1238 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/15/2013 1238 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/08/2013 1541 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/08/2013 1541 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/08/2013 801 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/08/2013 801 | MB |
| Thorium 229 Tracer (30-120) | 58.8 | % | | | ACW10 | 04/08/2013 801 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 4/26/2013
Report ID: S1303348001

ProjectName: Marsland Private Wells 1st Qtr. 2013
Lab ID: S1303348-005
ClientSample ID: Well 836
COC: Web

WorkOrder: S1303348
CollectionDate: 3/20/2013 7:50:00 AM
DateReceived: 3/22/2013 2:50:00 PM
FieldSampler: RP
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|
| Metals - Dissolved | | | | | | |
| Uranium | 0.0068 | mg/L | | 0.0003 | EPA 200.8 | 03/23/2013 130 MS |
| Uranium Activity | 4.6 | pCi/L | | 0.2 | Calculation | 04/24/2013 1519 WN |
| Metals - Suspended | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 03/28/2013 2219 MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 04/24/2013 1519 WN |
| Radionuclides - Dissolved | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 04/08/2013 1453 SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/08/2013 1453 SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/08/2013 1110 SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/08/2013 1110 SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/05/2013 1443 SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/05/2013 1443 SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/05/2013 1244 MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/05/2013 1244 MB |
| Thorium 229 Tracer (30-120) | 65.4 | % | | | ACW10 | 04/05/2013 1244 MB |
| Radionuclides - Suspended | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 04/15/2013 1706 SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/15/2013 1706 SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/15/2013 1238 SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/15/2013 1238 SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/08/2013 1541 SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/08/2013 1541 SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/08/2013 801 MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/08/2013 801 MB |
| Thorium 229 Tracer (30-120) | 54.3 | % | | | ACW10 | 04/08/2013 801 MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 4/26/2013
Report ID: S1303348001

ProjectName: Marsland Private Wells 1st Qtr. 2013
Lab ID: S1303348-006
ClientSample ID: Well 841
COC: Web

WorkOrder: S1303348
CollectionDate: 3/20/2013 8:15:00 AM
DateReceived: 3/22/2013 2:50:00 PM
FieldSampler: RP
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Uranium | 0.0053 | mg/L | | 0.0003 | EPA 200.8 | 03/23/2013 135 | MS |
| Uranium Activity | 3.6 | pCi/L | | 0.2 | Calculation | 04/24/2013 1519 | WN |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 03/28/2013 2224 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 04/24/2013 1519 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 04/08/2013 1453 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/08/2013 1453 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/08/2013 1110 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/08/2013 1110 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/05/2013 1443 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/05/2013 1443 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/05/2013 1244 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/05/2013 1244 | MB |
| Thorium 229 Tracer (30-120) | 59.7 | % | | | ACW10 | 04/05/2013 1244 | MB |
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 04/15/2013 1706 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/15/2013 1706 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/15/2013 1238 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/15/2013 1238 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/08/2013 1541 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/08/2013 1541 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/08/2013 801 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/08/2013 801 | MB |
| Thorium 229 Tracer (30-120) | 64.2 | % | | | ACW10 | 04/08/2013 801 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 4/26/2013
Report ID: S1303324001

ProjectName: Marsland Private Wells 1st Qtr. 2013
Lab ID: S1303324-001
ClientSample ID: Well 703
COC:

WorkOrder: S1303324
CollectionDate: 3/21/2013 11:12:00 AM
DateReceived: 3/21/2013 2:40:00 PM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|
| Metals - Dissolved | | | | | | |
| Uranium | 0.0055 | mg/L | | 0.0003 | EPA 200.8 | 03/22/2013 1230 MS |
| Uranium Activity | 3.7 | pCi/L | | 0.2 | Calculation | 04/24/2013 1518 WN |
| Metals - Suspended | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 03/26/2013 1954 MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 04/24/2013 1518 WN |
| Radionuclides - Dissolved | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 04/07/2013 1040 SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/07/2013 1040 SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/06/2013 000 SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/06/2013 000 SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/01/2013 1851 SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/01/2013 1851 SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/03/2013 1211 MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/03/2013 1211 MB |
| Thorium 229 Tracer (30-120) | 44.9 | % | | | ACW10 | 04/03/2013 1211 MB |
| Radionuclides - Suspended | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 04/08/2013 1728 SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/08/2013 1728 SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/08/2013 1313 SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/08/2013 1313 SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/02/2013 000 SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/02/2013 000 SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/04/2013 1309 MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/04/2013 1309 MB |
| Thorium 229 Tracer (30-120) | 24.8 | % | | | ACW10 | 04/04/2013 1309 MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 4/26/2013
Report ID: S1303324001

ProjectName: Marsland Private Wells 1st Qtr. 2013
Lab ID: S1303324-002
ClientSample ID: Well 704
COC:

WorkOrder: S1303324
CollectionDate: 3/21/2013 11:14:00 AM
DateReceived: 3/21/2013 2:40:00 PM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Uranium | 0.0051 | mg/L | | 0.0003 | EPA 200.8 | 03/22/2013 1250 | MS |
| Uranium Activity | 3.5 | pCi/L | | 0.2 | Calculation | 04/24/2013 1518 | WN |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 03/26/2013 1959 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 04/24/2013 1518 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 04/07/2013 1604 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/07/2013 1604 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/07/2013 1454 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/07/2013 1454 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/02/2013 1420 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/02/2013 1420 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/03/2013 1211 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/03/2013 1211 | MB |
| Thorium 229 Tracer (30-120) | 40.9 | % | | | ACW10 | 04/03/2013 1211 | MB |
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 04/08/2013 1728 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/08/2013 1728 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/08/2013 1313 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/08/2013 1313 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/02/2013 000 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/02/2013 000 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/11/2013 1033 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/11/2013 1033 | MB |
| Thorium 229 Tracer (30-120) | 88 | % | | | ACW10 | 04/11/2013 1033 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 4/29/2013
Report ID: S1303398001

ProjectName: Marsland Private Wells 1st Qtr 2013
Lab ID: S1303398-001
ClientSample ID: Well 705
COC:

WorkOrder: S1303398
CollectionDate: 3/21/2013 12:30:00 PM
DateReceived: 3/26/2013 2:15:00 PM
FieldSampler:
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Uranium | 0.0052 | mg/L | | 0.0003 | EPA 200.8 | 03/26/2013 2325 | MS |
| Uranium Activity | 3.5 | pCi/L | | 0.2 | Calculation | 04/29/2013 1054 | WN |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 04/02/2013 1354 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 04/29/2013 1054 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 04/19/2013 1220 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/19/2013 1220 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/18/2013 000 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/18/2013 000 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/10/2013 000 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/10/2013 000 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/23/2013 809 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/23/2013 809 | MB |
| Thorium 229 Tracer (30-120) | 83.4 | % | | | ACW10 | 04/23/2013 809 | MB |
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | 1.0 | pCi/L | | 1 | OTW01 | 04/19/2013 1432 | SH |
| Lead 210 Precision (±) | 0.4 | pCi/L | | | OTW01 | 04/19/2013 1432 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/18/2013 000 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/18/2013 000 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/15/2013 1413 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/15/2013 1413 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/16/2013 813 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/16/2013 813 | MB |
| Thorium 229 Tracer (30-120) | 39.2 | pCi/L | | | ACW10 | 04/16/2013 813 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 4/26/2013
Report ID: S1303324001

ProjectName: Marsland Private Wells 1st Qtr. 2013
Lab ID: S1303324-003
ClientSample ID: Well 707
COC:

WorkOrder: S1303324
CollectionDate: 3/21/2013 10:35:00 AM
DateReceived: 3/21/2013 2:40:00 PM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Uranium | 0.0052 | mg/L | | 0.0003 | EPA 200.8 | 03/22/2013 1255 | MS |
| Uranium Activity | 3.5 | pCi/L | | 0.2 | Calculation | 04/24/2013 1518 | WN |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 03/26/2013 2014 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 04/24/2013 1518 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | 1.1 | pCi/L | | 1 | OTW01 | 04/07/2013 1604 | SH |
| Lead 210 Precision (±) | 0.4 | pCi/L | | | OTW01 | 04/07/2013 1604 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/07/2013 1454 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/07/2013 1454 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/02/2013 1420 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/02/2013 1420 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/03/2013 1211 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/03/2013 1211 | MB |
| Thorium 229 Tracer (30-120) | 65.2 | % | | | ACW10 | 04/03/2013 1211 | MB |
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | 1.1 | pCi/L | | 1 | OTW01 | 04/08/2013 1728 | SH |
| Lead 210 Precision (±) | 0.4 | pCi/L | | | OTW01 | 04/08/2013 1728 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/08/2013 1313 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/08/2013 1313 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/02/2013 000 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/02/2013 000 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/12/2013 813 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/12/2013 813 | MB |
| Thorium 229 Tracer (30-120) | 74.9 | % | | | ACW10 | 04/12/2013 813 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 4/26/2013
Report ID: S1303324001

ProjectName: Marsland Private Wells 1st Qtr. 2013
Lab ID: S1303324-004
ClientSample ID: Well 714
COC:

WorkOrder: S1303324
CollectionDate: 3/21/2013 10:15:00 AM
DateReceived: 3/21/2013 2:40:00 PM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Uranium | 0.0060 | mg/L | | 0.0003 | EPA 200.8 | 03/22/2013 1309 | MS |
| Uranium Activity | 4.1 | pCi/L | | 0.2 | Calculation | 04/24/2013 1518 | WN |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 03/26/2013 2019 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 04/24/2013 1518 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 04/07/2013 1604 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/07/2013 1604 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/07/2013 1454 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/07/2013 1454 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/02/2013 1420 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/02/2013 1420 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/03/2013 1211 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/03/2013 1211 | MB |
| Thorium 229 Tracer (30-120) | 50.4 | % | | | ACW10 | 04/03/2013 1211 | MB |
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | 3.5 | pCi/L | | 1 | OTW01 | 04/08/2013 1728 | SH |
| Lead 210 Precision (±) | 0.6 | pCi/L | | | OTW01 | 04/08/2013 1728 | SH |
| Polonium 210 | 2.9 | pCi/L | | 1 | OTW01 | 04/08/2013 1313 | SH |
| Polonium 210 Precision (±) | 0.9 | pCi/L | | | OTW01 | 04/08/2013 1313 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/02/2013 000 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/02/2013 000 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/12/2013 813 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/12/2013 813 | MB |
| Thorium 229 Tracer (30-120) | 79.1 | % | | | ACW10 | 04/12/2013 813 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported: 4/26/2013
Report ID: S1303324001

ProjectName: Marsland Private Wells 1st Qtr. 2013
Lab ID: S1303324-005
ClientSample ID: Well 720
COC:

WorkOrder: S1303324
CollectionDate: 3/21/2013 8:47:00 AM
DateReceived: 3/21/2013 2:40:00 PM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Uranium | 0.0077 | mg/L | | 0.0003 | EPA 200.8 | 03/22/2013 1314 | MS |
| Uranium Activity | 5.2 | pCi/L | | 0.2 | Calculation | 04/24/2013 1518 | WN |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 03/26/2013 2024 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 04/24/2013 1518 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 04/07/2013 1604 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/07/2013 1604 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/07/2013 1454 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/07/2013 1454 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/02/2013 1420 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/02/2013 1420 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/03/2013 1211 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/03/2013 1211 | MB |
| Thorium 229 Tracer (30-120) | 44.6 | % | | | ACW10 | 04/03/2013 1211 | MB |
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 04/08/2013 1728 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/08/2013 1728 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/08/2013 1313 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/08/2013 1313 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/02/2013 000 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/02/2013 000 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/12/2013 813 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/12/2013 813 | MB |
| Thorium 229 Tracer (30-120) | 74.8 | % | | | ACW10 | 04/12/2013 813 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported: 4/26/2013
Report ID: S1303324001

ProjectName: Marsland Private Wells 1st Qtr. 2013
Lab ID: S1303324-006
ClientSample ID: Well 722
COC:

WorkOrder: S1303324
CollectionDate: 3/21/2013 8:20:00 AM
DateReceived: 3/21/2013 2:40:00 PM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Uranium | 0.0084 | mg/L | | 0.0003 | EPA 200.8 | 03/22/2013 1319 | MS |
| Uranium Activity | 5.7 | pCi/L | | 0.2 | Calculation | 04/24/2013 1518 | WN |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 03/26/2013 2029 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 04/24/2013 1518 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | 1.6 | pCi/L | | 1 | OTW01 | 04/07/2013 1604 | SH |
| Lead 210 Precision (±) | 0.7 | pCi/L | | | OTW01 | 04/07/2013 1604 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/07/2013 1454 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/07/2013 1454 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/02/2013 1420 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/02/2013 1420 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/04/2013 822 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/04/2013 822 | MB |
| Thorium 229 Tracer (30-120) | 43.2 | % | | | ACW10 | 04/04/2013 822 | MB |
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 04/08/2013 1728 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/08/2013 1728 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/08/2013 1313 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/08/2013 1313 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/02/2013 000 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/02/2013 000 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/12/2013 813 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/12/2013 813 | MB |
| Thorium 229 Tracer (30-120) | 79.0 | % | | | ACW10 | 04/12/2013 813 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 4/29/2013
Report ID: S1303398001

ProjectName: Marsland Private Wells 1st Qtr 2013
Lab ID: S1303398-002
ClientSample ID: Well 734
COC:

WorkOrder: S1303398
CollectionDate: 3/21/2013 10:40:00 AM
DateReceived: 3/26/2013 2:15:00 PM
FieldSampler:
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|
| Metals - Dissolved | | | | | | |
| Uranium | 0.0069 | mg/L | | 0.0003 | EPA 200.8 | 03/26/2013 2330 MS |
| Uranium Activity | 4.7 | pCi/L | | 0.2 | Calculation | 04/29/2013 1054 WN |
| Metals - Suspended | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 04/02/2013 1413 MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 04/29/2013 1054 WN |
| Radionuclides - Dissolved | | | | | | |
| Lead 210 | 2.5 | pCi/L | | 1 | OTW01 | 04/19/2013 1220 SH |
| Lead 210 Precision (±) | 0.4 | pCi/L | | | OTW01 | 04/19/2013 1220 SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/18/2013 000 SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/18/2013 000 SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/10/2013 000 SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/10/2013 000 SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/23/2013 809 MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/23/2013 809 MB |
| Thorium 229 Tracer (30-120) | 91.8 | % | | | ACW10 | 04/23/2013 809 MB |
| Radionuclides - Suspended | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 04/26/2013 926 SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/26/2013 926 SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/24/2013 1615 SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/24/2013 1615 SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/15/2013 1413 SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/15/2013 1413 SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/16/2013 813 MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/16/2013 813 MB |
| Thorium 229 Tracer (30-120) | 29.1 | pCi/L | | | ACW10 | 04/16/2013 813 MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 4/26/2013
Report ID: S1303324001

ProjectName: Marsland Private Wells 1st Qtr. 2013
Lab ID: S1303324-007
ClientSample ID: Well 737
COC:

WorkOrder: S1303324
CollectionDate: 3/21/2013 12:53:00 PM
DateReceived: 3/21/2013 2:40:00 PM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|
| Metals - Dissolved | | | | | | |
| Uranium | 0.0059 | mg/L | | 0.0003 | EPA 200.8 | 03/22/2013 1324 MS |
| Uranium Activity | 4.0 | pCi/L | | 0.2 | Calculation | 04/24/2013 1518 WN |
| Metals - Suspended | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 03/26/2013 2034 MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 04/24/2013 1518 WN |
| Radionuclides - Dissolved | | | | | | |
| Lead 210 | 1.5 | pCi/L | | 1 | OTW01 | 04/07/2013 1604 SH |
| Lead 210 Precision (±) | 0.6 | pCi/L | | | OTW01 | 04/07/2013 1604 SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/07/2013 1454 SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/07/2013 1454 SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/02/2013 1420 SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/02/2013 1420 SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/04/2013 822 MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/04/2013 822 MB |
| Thorium 229 Tracer (30-120) | 42.4 | % | | | ACW10 | 04/04/2013 822 MB |
| Radionuclides - Suspended | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 04/08/2013 1728 SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/08/2013 1728 SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/08/2013 1313 SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/08/2013 1313 SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/02/2013 000 SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/02/2013 000 SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/12/2013 813 MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/12/2013 813 MB |
| Thorium 229 Tracer (30-120) | 93.1 | % | | | ACW10 | 04/12/2013 813 MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 4/26/2013
Report ID: S1303324001

ProjectName: Marsland Private Wells 1st Qtr. 2013
Lab ID: S1303324-008
ClientSample ID: Well 739
COC:

WorkOrder: S1303324
CollectionDate: 3/21/2013 11:37:00 AM
DateReceived: 3/21/2013 2:40:00 PM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|
| Metals - Dissolved | | | | | | |
| Uranium | 0.0102 | mg/L | | 0.0003 | EPA 200.8 | 03/22/2013 1329 MS |
| Uranium Activity | 6.9 | pCi/L | | 0.2 | Calculation | 04/24/2013 1518 WN |
| Metals - Suspended | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 03/26/2013 2039 MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 04/24/2013 1518 WN |
| Radionuclides - Dissolved | | | | | | |
| Lead 210 | 3.0 | pCi/L | | 1 | OTW01 | 04/07/2013 1848 SH |
| Lead 210 Precision (±) | 1.0 | pCi/L | | | OTW01 | 04/07/2013 1848 SH |
| Polonium 210 | 1.1 | pCi/L | | 1 | OTW01 | 04/08/2013 929 SH |
| Polonium 210 Precision (±) | 0.4 | pCi/L | | | OTW01 | 04/08/2013 929 SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/02/2013 1420 SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/02/2013 1420 SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/04/2013 822 MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/04/2013 822 MB |
| Thorium 229 Tracer (30-120) | 49.8 | % | | | ACW10 | 04/04/2013 822 MB |
| Radionuclides - Suspended | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 04/08/2013 1728 SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/08/2013 1728 SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/08/2013 1313 SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/08/2013 1313 SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/02/2013 000 SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/02/2013 000 SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/12/2013 813 MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/12/2013 813 MB |
| Thorium 229 Tracer (30-120) | 82.9 | % | | | ACW10 | 04/12/2013 813 MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 4/26/2013
Report ID: S1303324001

ProjectName: Marsland Private Wells 1st Qtr. 2013
Lab ID: S1303324-009
ClientSample ID: Well 742
COC:

WorkOrder: S1303324
CollectionDate: 3/21/2013 11:45:00 AM
DateReceived: 3/21/2013 2:40:00 PM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|
| Metals - Dissolved | | | | | | |
| Uranium | 0.0095 | mg/L | | 0.0003 | EPA 200.8 | 03/22/2013 1334 MS |
| Uranium Activity | 6.4 | pCi/L | | 0.2 | Calculation | 04/24/2013 1518 WN |
| Metals - Suspended | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 03/26/2013 2044 MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 04/24/2013 1518 WN |
| Radionuclides - Dissolved | | | | | | |
| Lead 210 | 1.5 | pCi/L | | 1 | OTW01 | 04/07/2013 1848 SH |
| Lead 210 Precision (±) | 0.5 | pCi/L | | | OTW01 | 04/07/2013 1848 SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/08/2013 929 SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/08/2013 929 SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/02/2013 1420 SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/02/2013 1420 SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/04/2013 822 MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/04/2013 822 MB |
| Thorium 229 Tracer (30-120) | 58.5 | % | | | ACW10 | 04/04/2013 822 MB |
| Radionuclides - Suspended | | | | | | |
| Lead 210 | 1.9 | pCi/L | | 1 | OTW01 | 04/08/2013 1728 SH |
| Lead 210 Precision (±) | 0.4 | pCi/L | | | OTW01 | 04/08/2013 1728 SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/08/2013 1313 SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/08/2013 1313 SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/02/2013 000 SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/02/2013 000 SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/12/2013 813 MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/12/2013 813 MB |
| Thorium 229 Tracer (30-120) | 87.0 | % | | | ACW10 | 04/12/2013 813 MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 4/29/2013
Report ID: S1303398001

ProjectName: Marsland Private Wells 1st Qtr 2013
Lab ID: S1303398-003
ClientSample ID: Well 748
COC:

WorkOrder: S1303398
CollectionDate: 3/21/2013 1:00:00 PM
DateReceived: 3/26/2013 2:15:00 PM
FieldSampler:
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|
| Metals - Dissolved | | | | | | |
| Uranium | 0.0042 | mg/L | | 0.0003 | EPA 200.8 | 03/26/2013 2335 MS |
| Uranium Activity | 2.8 | pCi/L | | 0.2 | Calculation | 04/29/2013 1054 WN |
| Metals - Suspended | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 04/02/2013 1418 MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 04/29/2013 1054 WN |
| Radionuclides - Dissolved | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 04/19/2013 1220 SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/19/2013 1220 SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/18/2013 000 SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/18/2013 000 SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/10/2013 000 SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/10/2013 000 SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/23/2013 809 MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/23/2013 809 MB |
| Thorium 229 Tracer (30-120) | 102 | % | | | ACW10 | 04/23/2013 809 MB |
| Radionuclides - Suspended | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 04/26/2013 926 SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/26/2013 926 SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/24/2013 1615 SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/24/2013 1615 SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/15/2013 1413 SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/15/2013 1413 SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/16/2013 1218 MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/16/2013 1218 MB |
| Thorium 229 Tracer (30-120) | 21.4 | pCi/L | | | ACW10 | 04/16/2013 1218 MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 4/26/2013
Report ID: S1303324001

ProjectName: Marsland Private Wells 1st Qtr. 2013
Lab ID: S1303324-010
ClientSample ID: Well 752
COC:

WorkOrder: S1303324
CollectionDate: 3/21/2013 12:18:00 PM
DateReceived: 3/21/2013 2:40:00 PM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Uranium | 0.0070 | mg/L | | 0.0003 | EPA 200.8 | 03/22/2013 1339 | MS |
| Uranium Activity | 4.7 | pCi/L | | 0.2 | Calculation | 04/24/2013 1518 | WN |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 03/28/2013 1913 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 04/24/2013 1518 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | 1.3 | pCi/L | | 1 | OTW01 | 04/07/2013 1848 | SH |
| Lead 210 Precision (±) | 0.5 | pCi/L | | | OTW01 | 04/07/2013 1848 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/08/2013 929 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/08/2013 929 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/02/2013 1420 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/02/2013 1420 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/04/2013 822 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/04/2013 822 | MB |
| Thorium 229 Tracer (30-120) | 52.7 | % | | | ACW10 | 04/04/2013 822 | MB |
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 04/15/2013 1427 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/15/2013 1427 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/15/2013 1106 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/15/2013 1106 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/08/2013 1325 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/08/2013 1325 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/12/2013 1217 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/12/2013 1217 | MB |
| Thorium 229 Tracer (30-120) | 79.10 | % | | | ACW10 | 04/12/2013 1217 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 4/26/2013
Report ID: S1303324001

ProjectName: Marsland Private Wells 1st Qtr. 2013
Lab ID: S1303324-011
ClientSample ID: Well 753
COC:

WorkOrder: S1303324
CollectionDate: 3/21/2013 12:10:00 PM
DateReceived: 3/21/2013 2:40:00 PM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Uranium | 0.0054 | mg/L | | 0.0003 | EPA 200.8 | 03/22/2013 1344 | MS |
| Uranium Activity | 3.7 | pCi/L | | 0.2 | Calculation | 04/24/2013 1518 | WN |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 03/28/2013 1942 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 04/24/2013 1518 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | 1.3 | pCi/L | | 1 | OTW01 | 04/07/2013 1848 | SH |
| Lead 210 Precision (±) | 0.4 | pCi/L | | | OTW01 | 04/07/2013 1848 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/08/2013 929 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/08/2013 929 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/02/2013 1420 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/02/2013 1420 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/04/2013 822 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/04/2013 822 | MB |
| Thorium 229 Tracer (30-120) | 42.2 | % | | | ACW10 | 04/04/2013 822 | MB |
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 04/15/2013 1427 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/15/2013 1427 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/15/2013 1106 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/15/2013 1106 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/08/2013 1325 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/08/2013 1325 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/12/2013 1217 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/12/2013 1217 | MB |
| Thorium 229 Tracer (30-120) | 92.6 | % | | | ACW10 | 04/12/2013 1217 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 4/26/2013
Report ID: S1303324001

ProjectName: Marsland Private Wells 1st Qtr. 2013
Lab ID: S1303324-012
ClientSample ID: Well 754
COC:

WorkOrder: S1303324
CollectionDate: 3/21/2013 12:05:00 PM
DateReceived: 3/21/2013 2:40:00 PM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|
| Metals - Dissolved | | | | | | |
| Uranium | 0.0067 | mg/L | | 0.0003 | EPA 200.8 | 03/22/2013 1413 MS |
| Uranium Activity | 4.5 | pCi/L | | 0.2 | Calculation | 04/24/2013 1518 WN |
| Metals - Suspended | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 03/28/2013 1947 MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 04/24/2013 1518 WN |
| Radionuclides - Dissolved | | | | | | |
| Lead 210 | 1.8 | pCi/L | | 1 | OTW01 | 04/07/2013 1848 SH |
| Lead 210 Precision (±) | 0.7 | pCi/L | | | OTW01 | 04/07/2013 1848 SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/08/2013 929 SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/08/2013 929 SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/02/2013 1420 SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/02/2013 1420 SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/04/2013 822 MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/04/2013 822 MB |
| Thorium 229 Tracer (30-120) | 46.4 | % | | | ACW10 | 04/04/2013 822 MB |
| Radionuclides - Suspended | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 04/15/2013 1427 SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/15/2013 1427 SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/15/2013 1106 SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/15/2013 1106 SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/08/2013 1325 SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/08/2013 1325 SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/12/2013 1217 MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/12/2013 1217 MB |
| Thorium 229 Tracer (30-120) | 87.7 | % | | | ACW10 | 04/12/2013 1217 MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 4/26/2013
Report ID: S1303324001

ProjectName: Marsland Private Wells 1st Qtr. 2013
Lab ID: S1303324-013
ClientSample ID: Well 755
COC:

WorkOrder: S1303324
CollectionDate: 3/21/2013 12:30:00 PM
DateReceived: 3/21/2013 2:40:00 PM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Uranium | 0.0051 | mg/L | | 0.0003 | EPA 200.8 | 03/22/2013 1418 | MS |
| Uranium Activity | 3.5 | pCi/L | | 0.2 | Calculation | 04/24/2013 1518 | WN |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 03/28/2013 1952 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 04/24/2013 1518 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | 1.8 | pCi/L | | 1 | OTW01 | 04/07/2013 1848 | SH |
| Lead 210 Precision (±) | 0.6 | pCi/L | | | OTW01 | 04/07/2013 1848 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/08/2013 929 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/08/2013 929 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/02/2013 1420 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/02/2013 1420 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/04/2013 823 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/04/2013 823 | MB |
| Thorium 229 Tracer (30-120) | 51.1 | % | | | ACW10 | 04/04/2013 823 | MB |
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 04/15/2013 1427 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/15/2013 1427 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/15/2013 1106 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/15/2013 1106 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/08/2013 1325 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/08/2013 1325 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/12/2013 1217 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/12/2013 1217 | MB |
| Thorium 229 Tracer (30-120) | 83.8 | % | | | ACW10 | 04/12/2013 1217 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 4/26/2013
Report ID: S1303324001

ProjectName: Marsland Private Wells 1st Qtr. 2013
Lab ID: S1303324-014
ClientSample ID: Well 760
COC:

WorkOrder: S1303324
CollectionDate: 3/21/2013 1:06:00 PM
DateReceived: 3/21/2013 2:40:00 PM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Uranium | 0.0065 | mg/L | | 0.0003 | EPA 200.8 | 03/22/2013 1423 | MS |
| Uranium Activity | 4.4 | pCi/L | | 0.2 | Calculation | 04/24/2013 1518 | WN |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 03/28/2013 1957 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 04/24/2013 1518 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | 1.2 | pCi/L | | 1 | OTW01 | 04/07/2013 1848 | SH |
| Lead 210 Precision (±) | 0.4 | pCi/L | | | OTW01 | 04/07/2013 1848 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/08/2013 929 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/08/2013 929 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/02/2013 1420 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/02/2013 1420 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/04/2013 1309 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/04/2013 1309 | MB |
| Thorium 229 Tracer (30-120) | 56.6 | % | | | ACW10 | 04/04/2013 1309 | MB |
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 04/15/2013 1427 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/15/2013 1427 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/15/2013 1106 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/15/2013 1106 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/08/2013 1325 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/08/2013 1325 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/12/2013 1217 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/12/2013 1217 | MB |
| Thorium 229 Tracer (30-120) | 87.3 | % | | | ACW10 | 04/12/2013 1217 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 4/26/2013
Report ID: S1303324001

ProjectName: Marsland Private Wells 1st Qtr. 2013
Lab ID: S1303324-015
ClientSample ID: Well 777
COC:

WorkOrder: S1303324
CollectionDate: 3/21/2013 11:30:00 AM
DateReceived: 3/21/2013 2:40:00 PM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|
| Metals - Dissolved | | | | | | |
| Uranium | 0.0132 | mg/L | | 0.0003 | EPA 200.8 | 03/22/2013 1428 MS |
| Uranium Activity | 8.9 | pCi/L | | 0.2 | Calculation | 04/24/2013 1518 WN |
| Metals - Suspended | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 03/28/2013 2002 MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 04/24/2013 1518 WN |
| Radionuclides - Dissolved | | | | | | |
| Lead 210 | 2.2 | pCi/L | | 1 | OTW01 | 04/07/2013 1848 SH |
| Lead 210 Precision (±) | 0.7 | pCi/L | | | OTW01 | 04/07/2013 1848 SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/08/2013 929 SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/08/2013 929 SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/02/2013 1420 SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/02/2013 1420 SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/04/2013 1309 MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/04/2013 1309 MB |
| Thorium 229 Tracer (30-120) | 60.3 | % | | | ACW10 | 04/04/2013 1309 MB |
| Radionuclides - Suspended | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 04/15/2013 1427 SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/15/2013 1427 SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/15/2013 1106 SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/15/2013 1106 SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/08/2013 1325 SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/08/2013 1325 SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/12/2013 1217 MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/12/2013 1217 MB |
| Thorium 229 Tracer (30-120) | 81.1 | % | | | ACW10 | 04/12/2013 1217 MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 4/29/2013
Report ID: S1303398001

ProjectName: Marsland Private Wells 1st Qtr 2013
Lab ID: S1303398-004
ClientSample ID: Well 794
COC:

WorkOrder: S1303398
CollectionDate: 3/21/2013 8:25:00 AM
DateReceived: 3/26/2013 2:15:00 PM
FieldSampler:
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Uranium | 0.0060 | mg/L | | 0.0003 | EPA 200.8 | 03/26/2013 2340 | MS |
| Uranium Activity | 4.1 | pCi/L | | 0.2 | Calculation | 04/29/2013 1054 | WN |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 04/02/2013 1433 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 04/29/2013 1054 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 04/19/2013 1220 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/19/2013 1220 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/18/2013 000 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/18/2013 000 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/10/2013 000 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/10/2013 000 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/23/2013 000 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/23/2013 000 | MB |
| Thorium 229 Tracer (30-120) | 89.4 | pCi/L | | | ACW10 | 04/23/2013 000 | MB |
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 04/26/2013 926 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/26/2013 926 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/24/2013 1615 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/24/2013 1615 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/15/2013 1413 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/15/2013 1413 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/16/2013 1218 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/16/2013 1218 | MB |
| Thorium 229 Tracer (30-120) | 37.7 | pCi/L | | | ACW10 | 04/16/2013 1218 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 4/29/2013
Report ID: S1303398001

ProjectName: Marsland Private Wells 1st Qtr 2013
Lab ID: S1303398-005
ClientSample ID: Well 795
COC:

WorkOrder: S1303398
CollectionDate: 3/21/2013 8:35:00 AM
DateReceived: 3/26/2013 2:15:00 PM
FieldSampler:
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Uranium | 0.0062 | mg/L | | 0.0003 | EPA 200.8 | 03/26/2013 2345 | MS |
| Uranium Activity | 4.2 | pCi/L | | 0.2 | Calculation | 04/29/2013 1054 | WN |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 04/04/2013 1341 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 04/29/2013 1054 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | 1.0 | pCi/L | | 1 | OTW01 | 04/22/2013 1237 | SH |
| Lead 210 Precision (±) | 0.4 | pCi/L | | | OTW01 | 04/22/2013 1237 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/22/2013 939 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/22/2013 939 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/10/2013 000 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/10/2013 000 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/16/2013 1713 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/16/2013 1713 | MB |
| Thorium 229 Tracer (30-120) | 41 | % | | | ACW10 | 04/16/2013 1713 | MB |
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 04/26/2013 926 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/26/2013 926 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/24/2013 1615 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/24/2013 1615 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/15/2013 1805 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/15/2013 1805 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/16/2013 1717 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/16/2013 1717 | MB |
| Thorium 229 Tracer (30-120) | 38 | % | | | ACW10 | 04/16/2013 1717 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 4/26/2013
Report ID: S1303324001

ProjectName: Marsland Private Wells 1st Qtr. 2013
Lab ID: S1303324-016
ClientSample ID: Well 815
COC:

WorkOrder: S1303324
CollectionDate: 3/21/2013 9:35:00 AM
DateReceived: 3/21/2013 2:40:00 PM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Uranium | 0.0052 | mg/L | | 0.0003 | EPA 200.8 | 03/22/2013 1433 | MS |
| Uranium Activity | 3.5 | pCi/L | | 0.2 | Calculation | 04/24/2013 1518 | WN |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 03/28/2013 2007 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 04/24/2013 1518 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | 1.2 | pCi/L | | 1 | OTW01 | 04/07/2013 1848 | SH |
| Lead 210 Precision (±) | 0.4 | pCi/L | | | OTW01 | 04/07/2013 1848 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/08/2013 929 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/08/2013 929 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/02/2013 1647 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/02/2013 1647 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/04/2013 1309 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/04/2013 1309 | MB |
| Thorium 229 Tracer (30-120) | 28.7 | % | | | ACW10 | 04/04/2013 1309 | MB |
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 04/15/2013 1706 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/15/2013 1706 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/15/2013 1238 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/15/2013 1238 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/08/2013 1325 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/08/2013 1325 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/12/2013 1217 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/12/2013 1217 | MB |
| Thorium 229 Tracer (30-120) | 85.6 | % | | | ACW10 | 04/12/2013 1217 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 4/26/2013
Report ID: S1303324001

ProjectName: Marsland Private Wells 1st Qtr. 2013
Lab ID: S1303324-017
ClientSample ID: Well 821
COC:

WorkOrder: S1303324
CollectionDate: 3/19/2013 9:52:00 AM
DateReceived: 3/21/2013 2:40:00 PM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|
| Metals - Dissolved | | | | | | |
| Uranium | 0.0057 | mg/L | | 0.0003 | EPA 200.8 | 03/22/2013 1438 MS |
| Uranium Activity | 3.9 | pCi/L | | 0.2 | Calculation | 04/24/2013 1518 WN |
| Metals - Suspended | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 03/28/2013 2012 MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 04/24/2013 1518 WN |
| Radionuclides - Dissolved | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 04/07/2013 1848 SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/07/2013 1848 SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/08/2013 929 SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/08/2013 929 SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/02/2013 1647 SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/02/2013 1647 SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/04/2013 1309 MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/04/2013 1309 MB |
| Thorium 229 Tracer (30-120) | 31.2 | % | | | ACW10 | 04/04/2013 1309 MB |
| Radionuclides - Suspended | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 04/15/2013 1706 SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/15/2013 1706 SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/15/2013 1238 SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/15/2013 1238 SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/08/2013 1325 SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/08/2013 1325 SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/12/2013 1217 MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/12/2013 1217 MB |
| Thorium 229 Tracer (30-120) | 91.5 | % | | | ACW10 | 04/12/2013 1217 MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 4/19/2013
Report ID: S1303289001

ProjectName: Marsland Private Wells 1st Qtr. 2013
Lab ID: S1303289-009
ClientSample ID: Well 700
COC: WEB

WorkOrder: S1303289
CollectionDate: 3/18/2013 10:22:00 AM
DateReceived: 3/20/2013 3:05:00 PM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|
| Metals - Dissolved | | | | | | |
| Uranium | 0.0072 | mg/L | | 0.0003 | EPA 200.8 | 03/21/2013 1419 MS |
| Uranium Activity | 4.9 | pCi/L | | 0.2 | Calculation | 04/16/2013 1058 WN |
| Metals - Suspended | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 03/22/2013 1937 MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 04/16/2013 1058 WN |
| Radionuclides - Dissolved | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 04/05/2013 1716 SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/05/2013 1716 SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/05/2013 1501 SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/05/2013 1501 SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/01/2013 1619 SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/01/2013 1619 SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/02/2013 1224 MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/02/2013 1224 MB |
| Thorium 229 Tracer (30-120) | 70.7 | pCi/L | | | ACW10 | 04/02/2013 1224 MB |
| Radionuclides - Suspended | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 04/05/2013 1922 SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/05/2013 1922 SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/05/2013 1611 SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/05/2013 1611 SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/02/2013 1151 SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/02/2013 1151 SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/03/2013 805 MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/03/2013 805 MB |
| Thorium 229 Tracer (30-120) | 67.6 | pCi/L | | | ACW10 | 04/03/2013 805 MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 4/19/2013
Report ID: S1303289001

ProjectName: Marsland Private Wells 1st Qtr. 2013
Lab ID: S1303289-008
ClientSample ID: Well 702
COC: WEB

WorkOrder: S1303289
CollectionDate: 3/18/2013 11:05:00 AM
DateReceived: 3/20/2013 3:05:00 PM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Uranium | 0.0040 | mg/L | | 0.0003 | EPA 200.8 | 03/21/2013 1414 | MS |
| Uranium Activity | 2.7 | pCi/L | | 0.2 | Calculation | 04/16/2013 1058 | WN |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 03/22/2013 1932 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 04/16/2013 1058 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 04/05/2013 1716 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/05/2013 1716 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/05/2013 1501 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/05/2013 1501 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/01/2013 1619 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/01/2013 1619 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/02/2013 1224 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/02/2013 1224 | MB |
| Thorium 229 Tracer (30-120) | 66.8 | pCi/L | | | ACW10 | 04/02/2013 1224 | MB |
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 04/05/2013 1922 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/05/2013 1922 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/05/2013 1611 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/05/2013 1611 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/02/2013 1151 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/02/2013 1151 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/03/2013 805 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/03/2013 805 | MB |
| Thorium 229 Tracer (30-120) | 65.2 | pCi/L | | | ACW10 | 04/03/2013 805 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 4/19/2013
Report ID: S1303289001

ProjectName: Marsland Private Wells 1st Qtr. 2013
Lab ID: S1303289-002
ClientSample ID: Well 719
COC: WEB

WorkOrder: S1303289
CollectionDate: 3/18/2013 1:15:00 PM
DateReceived: 3/20/2013 3:05:00 PM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Uranium | 0.0060 | mg/L | | 0.0003 | EPA 200.8 | 03/21/2013 1345 | MS |
| Uranium Activity | 4.1 | pCi/L | | 0.2 | Calculation | 04/16/2013 1058 | WN |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 03/22/2013 1902 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 04/16/2013 1058 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 04/05/2013 907 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/05/2013 907 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/04/2013 1440 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/04/2013 1440 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/01/2013 1619 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/01/2013 1619 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/02/2013 819 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/02/2013 819 | MB |
| Thorium 229 Tracer (30-120) | 62.8 | pCi/L | | | ACW10 | 04/02/2013 819 | MB |
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 04/05/2013 1922 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/05/2013 1922 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/05/2013 1611 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/05/2013 1611 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/02/2013 1151 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/02/2013 1151 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/02/2013 1224 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/02/2013 1224 | MB |
| Thorium 229 Tracer (30-120) | 59.5 | pCi/L | | | ACW10 | 04/02/2013 1224 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported: 4/19/2013
Report ID: S1303289001

ProjectName: Marsland Private Wells 1st Qtr. 2013
Lab ID: S1303289-001
ClientSample ID: Well 721
COC: WEB

WorkOrder: S1303289
CollectionDate: 3/18/2013 1:25:00 PM
DateReceived: 3/20/2013 3:05:00 PM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Uranium | 0.0054 | mg/L | | 0.0003 | EPA 200.8 | 03/21/2013 1340 | MS |
| Uranium Activity | 3.7 | pCi/L | | 0.2 | Calculation | 04/16/2013 1058 | WN |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 03/22/2013 1833 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 04/16/2013 1058 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | 1.0 | pCi/L | | 1 | OTW01 | 04/05/2013 907 | SH |
| Lead 210 Precision (±) | 0.4 | pCi/L | | | OTW01 | 04/05/2013 907 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/04/2013 1440 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/04/2013 1440 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/01/2013 1619 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/01/2013 1619 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/02/2013 819 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/02/2013 819 | MB |
| Thorium 229 Tracer (30-120) | 62.1 | pCi/L | | | ACW10 | 04/02/2013 819 | MB |
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 04/05/2013 1922 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/05/2013 1922 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/05/2013 1611 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/05/2013 1611 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/02/2013 918 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/02/2013 918 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/02/2013 1224 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/02/2013 1224 | MB |
| Thorium 229 Tracer (30-120) | 75.1 | pCi/L | | | ACW10 | 04/02/2013 1224 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 4/19/2013
Report ID: S1303289001

ProjectName: Marsland Private Wells 1st Qtr. 2013
Lab ID: S1303289-007
ClientSample ID: Well 727
COC: WEB

WorkOrder: S1303289
CollectionDate: 3/18/2013 11:35:00 AM
DateReceived: 3/20/2013 3:05:00 PM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Uranium | 0.0084 | mg/L | | 0.0003 | EPA 200.8 | 03/21/2013 1409 | MS |
| Uranium Activity | 5.7 | pCi/L | | 0.2 | Calculation | 04/16/2013 1058 | WN |
| Metals - Suspended | | | | | | | |
| Uranium | 0.0006 | mg/L | | 0.0003 | EPA 200.8 | 03/22/2013 1927 | MS |
| Uranium Activity | 0.4 | pCi/L | | 0.2 | Calculation | 04/16/2013 1058 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 04/05/2013 1716 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/05/2013 1716 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/05/2013 1501 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/05/2013 1501 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/01/2013 1619 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/01/2013 1619 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/02/2013 1224 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/02/2013 1224 | MB |
| Thorium 229 Tracer (30-120) | 58.2 | pCi/L | | | ACW10 | 04/02/2013 1224 | MB |
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | 1.4 | pCi/L | | 1 | OTW01 | 04/05/2013 1922 | SH |
| Lead 210 Precision (±) | 0.4 | pCi/L | | | OTW01 | 04/05/2013 1922 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/05/2013 1611 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/05/2013 1611 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/02/2013 1151 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/02/2013 1151 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/03/2013 805 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/03/2013 805 | MB |
| Thorium 229 Tracer (30-120) | 70.4 | pCi/L | | | ACW10 | 04/03/2013 805 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 4/19/2013
Report ID: S1303289001

ProjectName: Marsland Private Wells 1st Qtr. 2013
Lab ID: S1303289-003
ClientSample ID: Well 728
COC: WEB

WorkOrder: S1303289
CollectionDate: 3/18/2013 12:45:00 PM
DateReceived: 3/20/2013 3:05:00 PM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Uranium | 0.0067 | mg/L | | 0.0003 | EPA 200.8 | 03/21/2013 1350 | MS |
| Uranium Activity | 4.5 | pCi/L | | 0.2 | Calculation | 04/16/2013 1058 | WN |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 03/22/2013 1907 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 04/16/2013 1058 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | 1.2 | pCi/L | | 1 | OTW01 | 04/05/2013 907 | SH |
| Lead 210 Precision (±) | 0.4 | pCi/L | | | OTW01 | 04/05/2013 907 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/04/2013 1440 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/04/2013 1440 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/01/2013 1619 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/01/2013 1619 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/02/2013 819 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/02/2013 819 | MB |
| Thorium 229 Tracer (30-120) | 59.3 | pCi/L | | | ACW10 | 04/02/2013 819 | MB |
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 04/05/2013 1922 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/05/2013 1922 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/05/2013 1611 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/05/2013 1611 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/02/2013 1151 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/02/2013 1151 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/03/2013 805 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/03/2013 805 | MB |
| Thorium 229 Tracer (30-120) | 60.1 | pCi/L | | | ACW10 | 04/03/2013 805 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 4/19/2013
Report ID: S1303289001

ProjectName: Marsland Private Wells 1st Qtr. 2013
Lab ID: S1303289-015
ClientSample ID: Well 743
COC: WEB

WorkOrder: S1303289
CollectionDate: 3/18/2013 7:54:00 AM
DateReceived: 3/20/2013 3:05:00 PM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|
| Metals - Dissolved | | | | | | |
| Uranium | 0.0075 | mg/L | | 0.0003 | EPA 200.8 | 03/21/2013 1513 MS |
| Uranium Activity | 5.1 | pCi/L | | 0.2 | Calculation | 04/16/2013 1058 WN |
| Metals - Suspended | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 03/26/2013 1545 MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 04/16/2013 1058 WN |
| Radionuclides - Dissolved | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 04/07/2013 1040 SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/07/2013 1040 SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/06/2013 000 SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/06/2013 000 SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/01/2013 1851 SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/01/2013 1851 SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/08/2013 1353 MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/08/2013 1353 MB |
| Thorium 229 Tracer (30-120) | 73.9 | pCi/L | | | ACW10 | 04/08/2013 1353 MB |
| Radionuclides - Suspended | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 04/06/2013 1845 SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/06/2013 1845 SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/06/2013 000 SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/06/2013 000 SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/02/2013 918 SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/02/2013 918 SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/09/2013 1246 MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/09/2013 1246 MB |
| Thorium 229 Tracer (30-120) | 78.2 | pCi/L | | | ACW10 | 04/09/2013 1246 MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported: 4/19/2013
Report ID: S1303289001

ProjectName: Marsland Private Wells 1st Qtr. 2013
Lab ID: S1303289-014
ClientSample ID: Well 744
COC: WEB

WorkOrder: S1303289
CollectionDate: 3/18/2013 8:10:00 AM
DateReceived: 3/20/2013 3:05:00 PM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|
| Metals - Dissolved | | | | | | |
| Uranium | 0.0028 | mg/L | | 0.0003 | EPA 200.8 | 03/21/2013 1508 MS |
| Uranium Activity | 1.9 | pCi/L | | 0.2 | Calculation | 04/16/2013 1058 WN |
| Metals - Suspended | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 03/26/2013 1540 MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 04/16/2013 1058 WN |
| Radionuclides - Dissolved | | | | | | |
| Lead 210 | 1.3 | pCi/L | | 1 | OTW01 | 04/05/2013 1716 SH |
| Lead 210 Precision (±) | 0.4 | pCi/L | | | OTW01 | 04/05/2013 1716 SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/05/2013 1501 SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/05/2013 1501 SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/01/2013 1851 SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/01/2013 1851 SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/08/2013 1353 MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/08/2013 1353 MB |
| Thorium 229 Tracer (30-120) | 68.1 | pCi/L | | | ACW10 | 04/08/2013 1353 MB |
| Radionuclides - Suspended | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 04/06/2013 1845 SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/06/2013 1845 SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/06/2013 000 SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/06/2013 000 SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/02/2013 918 SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/02/2013 918 SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/09/2013 1246 MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/09/2013 1246 MB |
| Thorium 229 Tracer (30-120) | 62.8 | pCi/L | | | ACW10 | 04/09/2013 1246 MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 4/19/2013
Report ID: S1303289001

ProjectName: Marsland Private Wells 1st Qtr. 2013
Lab ID: S1303289-013
ClientSample ID: Well 745
COC: WEB

WorkOrder: S1303289
CollectionDate: 3/18/2013 8:20:00 AM
DateReceived: 3/20/2013 3:05:00 PM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|
| Metals - Dissolved | | | | | | |
| Uranium | 0.0179 | mg/L | | 0.0003 | EPA 200.8 | 03/21/2013 1503 MS |
| Uranium Activity | 12.1 | pCi/L | | 0.2 | Calculation | 04/16/2013 1058 WN |
| Metals - Suspended | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 03/26/2013 1535 MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 04/16/2013 1058 WN |
| Radionuclides - Dissolved | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 04/05/2013 1716 SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/05/2013 1716 SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/05/2013 1501 SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/05/2013 1501 SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/01/2013 1851 SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/01/2013 1851 SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/08/2013 1353 MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/08/2013 1353 MB |
| Thorium 229 Tracer (30-120) | 75.4 | pCi/L | | | ACW10 | 04/08/2013 1353 MB |
| Radionuclides - Suspended | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 04/06/2013 1845 SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/06/2013 1845 SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/06/2013 000 SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/06/2013 000 SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/02/2013 918 SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/02/2013 918 SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/09/2013 1246 MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/09/2013 1246 MB |
| Thorium 229 Tracer (30-120) | 73.3 | pCi/L | | | ACW10 | 04/09/2013 1246 MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 4/19/2013
Report ID: S1303289001

ProjectName: Marsland Private Wells 1st Qtr. 2013
Lab ID: S1303289-012
ClientSample ID: Well 746
COC: WEB

WorkOrder: S1303289
CollectionDate: 3/18/2013 8:56:00 AM
DateReceived: 3/20/2013 3:05:00 PM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Uranium | 0.0073 | mg/L | | 0.0003 | EPA 200.8 | 03/21/2013 1458 | MS |
| Uranium Activity | 4.9 | pCi/L | | 0.2 | Calculation | 04/16/2013 1058 | WN |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 03/26/2013 1530 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 04/16/2013 1058 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 04/05/2013 1716 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/05/2013 1716 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/05/2013 1501 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/05/2013 1501 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/01/2013 1851 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/01/2013 1851 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/08/2013 1353 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/08/2013 1353 | MB |
| Thorium 229 Tracer (30-120) | 71.8 | pCi/L | | | ACW10 | 04/08/2013 1353 | MB |
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 04/06/2013 1845 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/06/2013 1845 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/06/2013 000 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/06/2013 000 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/02/2013 918 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/02/2013 918 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/09/2013 1246 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/09/2013 1246 | MB |
| Thorium 229 Tracer (30-120) | 81.2 | pCi/L | | | ACW10 | 04/09/2013 1246 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 4/19/2013
Report ID: S1303289001

ProjectName: Marsland Private Wells 1st Qtr. 2013
Lab ID: S1303289-011
ClientSample ID: Well 747
COC: WEB

WorkOrder: S1303289
CollectionDate: 3/18/2013 9:16:00 AM
DateReceived: 3/20/2013 3:05:00 PM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|
| Metals - Dissolved | | | | | | |
| Uranium | 0.0047 | mg/L | | 0.0003 | EPA 200.8 | 03/21/2013 1453 MS |
| Uranium Activity | 3.2 | pCi/L | | 0.2 | Calculation | 04/16/2013 1058 WN |
| Metals - Suspended | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 03/26/2013 1525 MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 04/16/2013 1058 WN |
| Radionuclides - Dissolved | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 04/05/2013 1716 SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/05/2013 1716 SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/05/2013 1501 SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/05/2013 1501 SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/01/2013 1851 SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/01/2013 1851 SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/08/2013 1353 MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/08/2013 1353 MB |
| Thorium 229 Tracer (30-120) | 65.2 | pCi/L | | | ACW10 | 04/08/2013 1353 MB |
| Radionuclides - Suspended | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 04/06/2013 1845 SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/06/2013 1845 SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/06/2013 000 SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/06/2013 000 SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/02/2013 918 SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/02/2013 918 SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/09/2013 812 MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/09/2013 812 MB |
| Thorium 229 Tracer (30-120) | 69.2 | pCi/L | | | ACW10 | 04/09/2013 812 MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 4/19/2013
Report ID: S1303289001

ProjectName: Marsland Private Wells 1st Qtr. 2013
Lab ID: S1303289-010
ClientSample ID: Well 750
COC: WEB

WorkOrder: S1303289
CollectionDate: 3/18/2013 9:39:00 AM
DateReceived: 3/20/2013 3:05:00 PM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|
| Metals - Dissolved | | | | | | |
| Uranium | 0.0066 | mg/L | | 0.0003 | EPA 200.8 | 03/21/2013 1448 MS |
| Uranium Activity | 4.5 | pCi/L | | 0.2 | Calculation | 04/16/2013 1058 WN |
| Metals - Suspended | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 03/26/2013 1456 MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 04/16/2013 1058 WN |
| Radionuclides - Dissolved | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 04/05/2013 1716 SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/05/2013 1716 SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/05/2013 1501 SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/05/2013 1501 SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/01/2013 1619 SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/01/2013 1619 SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/08/2013 1353 MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/08/2013 1353 MB |
| Thorium 229 Tracer (30-120) | 73.2 | pCi/L | | | ACW10 | 04/08/2013 1353 MB |
| Radionuclides - Suspended | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 04/06/2013 1845 SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/06/2013 1845 SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/06/2013 000 SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/06/2013 000 SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/02/2013 918 SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/02/2013 918 SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/09/2013 812 MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/09/2013 812 MB |
| Thorium 229 Tracer (30-120) | 70.1 | pCi/L | | | ACW10 | 04/09/2013 812 MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 4/19/2013
Report ID: S1303289001

ProjectName: Marsland Private Wells 1st Qtr. 2013
Lab ID: S1303289-016
ClientSample ID: Well 802
COC: WEB

WorkOrder: S1303289
CollectionDate: 3/18/2013 8:46:00 AM
DateReceived: 3/20/2013 3:05:00 PM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|
| Metals - Dissolved | | | | | | |
| Uranium | 0.0043 | mg/L | | 0.0003 | EPA 200.8 | 03/21/2013 1518 MS |
| Uranium Activity | 2.9 | pCi/L | | 0.2 | Calculation | 04/16/2013 1058 WN |
| Metals - Suspended | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 03/26/2013 1550 MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 04/16/2013 1058 WN |
| Radionuclides - Dissolved | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 04/07/2013 1040 SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/07/2013 1040 SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/06/2013 000 SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/06/2013 000 SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/01/2013 1851 SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/01/2013 1851 SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/09/2013 812 MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/09/2013 812 MB |
| Thorium 229 Tracer (30-120) | 52.9 | pCi/L | | | ACW10 | 04/09/2013 812 MB |
| Radionuclides - Suspended | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 04/07/2013 1040 SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/07/2013 1040 SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/06/2013 000 SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/06/2013 000 SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/02/2013 918 SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/02/2013 918 SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/09/2013 1246 MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/09/2013 1246 MB |
| Thorium 229 Tracer (30-120) | 73.9 | pCi/L | | | ACW10 | 04/09/2013 1246 MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported: 4/19/2013
Report ID: S1303289001

ProjectName: Marsland Private Wells 1st Qtr. 2013
Lab ID: S1303289-006
ClientSample ID: Well 809
COC: WEB

WorkOrder: S1303289
CollectionDate: 3/18/2013 12:00:00 PM
DateReceived: 3/20/2013 3:05:00 PM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Uranium | 0.0072 | mg/L | | 0.0003 | EPA 200.8 | 03/21/2013 1404 | MS |
| Uranium Activity | 4.9 | pCi/L | | 0.2 | Calculation | 04/16/2013 1058 | WN |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 03/22/2013 1922 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 04/16/2013 1058 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | 1.1 | pCi/L | | 1 | OTW01 | 04/05/2013 907 | SH |
| Lead 210 Precision (±) | 0.4 | pCi/L | | | OTW01 | 04/05/2013 907 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/04/2013 1440 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/04/2013 1440 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/01/2013 1619 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/01/2013 1619 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/02/2013 819 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/02/2013 819 | MB |
| Thorium 229 Tracer (30-120) | 72.8 | pCi/L | | | ACW10 | 04/02/2013 819 | MB |
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 04/05/2013 1922 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/05/2013 1922 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/05/2013 1611 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/05/2013 1611 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/02/2013 1151 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/02/2013 1151 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/03/2013 805 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/03/2013 805 | MB |
| Thorium 229 Tracer (30-120) | 60.7 | pCi/L | | | ACW10 | 04/03/2013 805 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 4/19/2013
Report ID: S1303289001

ProjectName: Marsland Private Wells 1st Qtr. 2013
Lab ID: S1303289-005
ClientSample ID: Well 810
COC: WEB

WorkOrder: S1303289
CollectionDate: 3/18/2013 8:10:00 AM
DateReceived: 3/20/2013 3:05:00 PM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Uranium | 0.0056 | mg/L | | 0.0003 | EPA 200.8 | 03/21/2013 1359 | MS |
| Uranium Activity | 3.8 | pCi/L | | 0.2 | Calculation | 04/16/2013 1058 | WN |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 03/22/2013 1917 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 04/16/2013 1058 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | 5.9 | pCi/L | | 1 | OTW01 | 04/05/2013 907 | SH |
| Lead 210 Precision (±) | 0.7 | pCi/L | | | OTW01 | 04/05/2013 907 | SH |
| Polonium 210 | 4.4 | pCi/L | | 1 | OTW01 | 04/04/2013 1440 | SH |
| Polonium 210 Precision (±) | 1.0 | pCi/L | | | OTW01 | 04/04/2013 1440 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/01/2013 1619 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/01/2013 1619 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/02/2013 819 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/02/2013 819 | MB |
| Thorium 229 Tracer (30-120) | 69.9 | pCi/L | | | ACW10 | 04/02/2013 819 | MB |
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 04/05/2013 1922 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/05/2013 1922 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/05/2013 1611 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/05/2013 1611 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/02/2013 1151 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/02/2013 1151 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/03/2013 805 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/03/2013 805 | MB |
| Thorium 229 Tracer (30-120) | 69.3 | pCi/L | | | ACW10 | 04/03/2013 805 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

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- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 4/19/2013
Report ID: S1303289001

ProjectName: Marsland Private Wells 1st Qtr. 2013
Lab ID: S1303289-004
ClientSample ID: Well 811
COC: WEB

WorkOrder: S1303289
CollectionDate: 3/18/2013 12:22:00 PM
DateReceived: 3/20/2013 3:05:00 PM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Uranium | 0.0059 | mg/L | | 0.0003 | EPA 200.8 | 03/21/2013 1355 | MS |
| Uranium Activity | 4.0 | pCi/L | | 0.2 | Calculation | 04/16/2013 1058 | WN |
| Metals - Suspended | | | | | | | |
| Uranium | 0.0004 | mg/L | | 0.0003 | EPA 200.8 | 03/22/2013 1912 | MS |
| Uranium Activity | 0.3 | pCi/L | | 0.2 | Calculation | 04/16/2013 1058 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 04/05/2013 907 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/05/2013 907 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 04/04/2013 1440 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 04/04/2013 1440 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/01/2013 1619 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/01/2013 1619 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/02/2013 819 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/02/2013 819 | MB |
| Thorium 229 Tracer (30-120) | 59.1 | pCi/L | | | ACW10 | 04/02/2013 819 | MB |
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | 2.5 | pCi/L | | 1 | OTW01 | 04/05/2013 1922 | SH |
| Lead 210 Precision (±) | 0.5 | pCi/L | | | OTW01 | 04/05/2013 1922 | SH |
| Polonium 210 | 1.5 | pCi/L | | 1 | OTW01 | 04/05/2013 1611 | SH |
| Polonium 210 Precision (±) | 1.0 | pCi/L | | | OTW01 | 04/05/2013 1611 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 04/02/2013 1151 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 04/02/2013 1151 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 04/03/2013 805 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 04/03/2013 805 | MB |
| Thorium 229 Tracer (30-120) | 80.7 | pCi/L | | | ACW10 | 04/03/2013 805 | MB |

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- E Value above quantitation range
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- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported: 3/26/2012
Report ID: S1202246001

ProjectName: Marsland Chadron Well Sampling
Lab ID: S1202246-011
ClientSample ID: CP10-2010-1 CPW2010-1
COC: 143865

WorkOrder: S1202246
CollectionDate: 2/13/2012 9:15:00 AM
DateReceived: 2/16/2012 10:36:00 AM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|---|--------|----------|------|------|-------------|--------------------|-----|
| Anions/Cations | | | | | | | |
| Alkalinity, Total (As CaCO ₃) | 281 | mg/L | | 5 | SM 2320B | 02/20/2012 2047 | MZ |
| Alkalinity, Bicarbonate as HCO ₃ | 286 | mg/L | | 5 | SM 2320B | 02/20/2012 2047 | MZ |
| Alkalinity, Carbonate as CO ₃ | 28 | mg/L | | 5 | SM 2320B | 02/20/2012 2047 | MZ |
| Chloride | 563 | mg/L | | 1 | EPA 300.0 | 02/29/2012 2208 | AMB |
| Fluoride | 0.8 | mg/L | | 0.1 | SM 4500FC | 02/20/2012 2047 | MZ |
| Nitrogen, Nitrate-Nitrite (as N) | ND | mg/L | | 0.1 | EPA 353.2 | 02/17/2012 1329 | MB |
| Sulfate | 76 | mg/L | | 1 | EPA 300.0 | 02/29/2012 2208 | AMB |
| Calcium | 10 | mg/L | | 1 | EPA 200.7 | 03/01/2012 1827 | DG |
| Magnesium | ND | mg/L | | 1 | EPA 200.7 | 03/01/2012 1827 | DG |
| Potassium | 40 | mg/L | | 1 | EPA 200.7 | 03/01/2012 1827 | DG |
| Sodium | 488 | mg/L | | 1 | EPA 200.7 | 03/01/2012 1827 | DG |
| Nitrogen, Ammonia (As N) | 0.5 | mg/L | | 0.1 | EPA 350.1 | 02/27/2012 1034 | MEL |
| Silica as SiO ₂ | 17 | mg/L | | 1 | EPA 200.7 | 02/17/2012 1352 | DG |
| General Parameters | | | | | | | |
| pH | 9.0 | s.u. | | 0.1 | SM 4500 H B | 02/20/2012 2047 | MZ |
| Electrical Conductivity | 2360 | µmhos/cm | | 1 | SM 2510B | 02/20/2012 2047 | MZ |
| Total Dissolved Solids (180) | 1260 | mg/L | | 10 | SM 2540 | 02/17/2012 1400 | ARF |
| Data Quality | | | | | | | |
| Cation Sum | 22.75 | meq/L | | 0.01 | SM 1030E | 03/27/2012 1331 | WN |
| Anion Sum | 23.12 | meq/L | | 0.01 | SM 1030E | 03/27/2012 1331 | WN |
| Cation-Anion Balance (± 5%) | 0.80 | % | | 0.01 | SM 1030E | 03/27/2012 1331 | WN |
| Solids, Total Dissolved (Calc) | 1360 | mg/L | | 10 | SM 1030E | 03/27/2012 1331 | WN |
| Calculated TDS/TDS Ratio (0.80-1.20) | 0.93 | dec. % | | 0.01 | Calculation | 03/27/2012 1333 | WN |

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- E Value above quantitation range
- J Analyte detected below quantitation limits
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- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager



Inter-Mountain Labs

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 3/26/2012
Report ID: S1202246001

ProjectName: Marsland Chadron Well Sampling
Lab ID: S1202246-011
ClientSample ID: CP10-2010-1
COC: 143865

WorkOrder: S1202246
CollectionDate: 2/13/2012 9:15:00 AM
DateReceived: 2/16/2012 10:36:00 AM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|
| Metals - Dissolved | | | | | | |
| Aluminum | 0.4 | mg/L | | 0.1 | EPA 200.7 | 02/17/2012 1352 DG |
| Arsenic | ND | mg/L | | 0.001 | EPA 200.8 | 02/16/2012 2106 MS |
| Barium | 0.1 | mg/L | | 0.1 | EPA 200.8 | 02/16/2012 2106 MS |
| Boron | 1.2 | mg/L | | 0.1 | EPA 200.7 | 02/17/2012 1352 DG |
| Cadmium | ND | mg/L | | 0.005 | EPA 200.8 | 02/16/2012 2106 MS |
| Chromium | ND | mg/L | | 0.05 | EPA 200.7 | 02/17/2012 1352 DG |
| Copper | ND | mg/L | | 0.1 | EPA 200.8 | 02/16/2012 2106 MS |
| Iron | ND | mg/L | | 0.05 | EPA 200.7 | 02/17/2012 1352 DG |
| Lead | ND | mg/L | | 0.05 | EPA 200.8 | 02/16/2012 2106 MS |
| Manganese | ND | mg/L | | 0.01 | EPA 200.7 | 02/17/2012 1352 DG |
| Mercury | ND | mg/L | | 0.001 | EPA 245.1 | 02/21/2012 1017 BK |
| Molybdenum | ND | mg/L | | 0.1 | EPA 200.8 | 02/16/2012 2106 MS |
| Nickel | ND | mg/L | | 0.05 | EPA 200.7 | 02/17/2012 1352 DG |
| Selenium | 0.067 | mg/L | | 0.001 | EPA 200.8 | 02/16/2012 2106 MS |
| Uranium | 0.0091 | mg/L | | 0.0003 | EPA 200.8 | 02/16/2012 2106 MS |
| Uranium Activity | 6.2 | pCi/L | | 0.2 | Calculation | 03/27/2012 1333 WN |
| Vanadium | 0.05 | mg/L | | 0.02 | EPA 200.8 | 02/16/2012 2106 MS |
| Zinc | ND | mg/L | | 0.01 | EPA 200.7 | 02/17/2012 1352 DG |
| Metals - Suspended | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 03/15/2012 1716 MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 03/27/2012 1333 WN |
| Radionuclides - Dissolved | | | | | | |
| Lead 210 | 3.6 | pCi/L | | 1 | OTW01 | 03/06/2012 851 SH |
| Lead 210 Precision (±) | 0.5 | pCi/L | | | OTW01 | 03/06/2012 851 SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 03/01/2012 1433 SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 03/01/2012 1433 SH |
| Radium 226 | 27.5 | pCi/L | | 0.2 | SM 7500-Ra B | 02/29/2012 1518 SH |
| Radium 226 Precision (±) | 0.6 | pCi/L | | | SM 7500-Ra B | 02/29/2012 1518 SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 02/29/2012 815 WL |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 02/29/2012 815 WL |

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- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager

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Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported: 3/26/2012
Report ID: S1202246001

ProjectName: Marsland Chadron Well Sampling
Lab ID: S1202246-011
ClientSample ID: CP10-2010-1
COC: 143865

WorkOrder: S1202246
CollectionDate: 2/13/2012 9:15:00 AM
DateReceived: 2/16/2012 10:36:00 AM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|-----|--------------|--------------------|----|
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | 5.6 | pCi/L | | 1 | OTW01 | 03/07/2012 858 | SH |
| Lead 210 Precision (±) | 0.6 | pCi/L | | | OTW01 | 03/07/2012 858 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 03/05/2012 1154 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 03/05/2012 1154 | SH |
| Radium 226 | 1.7 | pCi/L | B | 0.2 | SM 7500-Ra B | 03/02/2012 1012 | SH |
| Radium 226 Precision (±) | 0.2 | pCi/L | B | | SM 7500-Ra B | 03/02/2012 1012 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 03/02/2012 908 | WL |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 03/02/2012 908 | WL |

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Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Inter-Mountain Labs

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 10/24/2012
Report ID: S1209356001

ProjectName: Marsland Private Wells 3rd Qtr 2012 *Marsland*
Lab ID: S1209356-001
ClientSample ID: Well 700
COC:

WorkOrder: S1209356
CollectionDate: 9/17/2012
DateReceived: 9/20/2012 10:30:00 AM
FieldSampler:
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Uranium | 0.0066 | mg/L | | 0.0003 | EPA 200.8 | 09/20/2012 2356 | MS |
| Uranium Activity | 4.5 | pCi/L | | 0.2 | Calculation | 10/04/2012 1635 | WN |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 09/28/2012 1414 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 10/04/2012 1635 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | 1.3 | pCi/L | | 1 | OTW01 | 10/10/2012 1351 | SH |
| Lead 210 Precision (±) | 0.4 | pCi/L | | | OTW01 | 10/10/2012 1351 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/10/2012 1057 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/10/2012 1057 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/11/2012 1557 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/11/2012 1557 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 10/11/2012 816 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 10/11/2012 816 | MB |
| Thorium 229 Tracer (30-120) | 80.3 | % | | 0.2 | ACW10 | 10/11/2012 816 | MB |
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 10/11/2012 000 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/11/2012 000 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/11/2012 1727 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/11/2012 1727 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/11/2012 1159 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/11/2012 1159 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 10/16/2012 1046 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 10/16/2012 1046 | MB |
| Thorium 229 Tracer (30-120) | 89.6 | % | | 0.2 | ACW10 | 10/16/2012 1046 | MB |

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- E Value above quantitation range
- J Analyte detected below quantitation limits
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Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Inter-Mountain Labs

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 10/24/2012
Report ID: S1209356001

ProjectName: Marsland Private Wells 3rd Qtr 2012 *Marsland*
Lab ID: S1209356-002
ClientSample ID: Well 702
COC:

WorkOrder: S1209356
CollectionDate: 9/17/2012
DateReceived: 9/20/2012 10:30:00 AM
FieldSampler:
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Uranium | 0.0039 | mg/L | | 0.0003 | EPA 200.8 | 09/21/2012 011 | MS |
| Uranium Activity | 2.6 | pCi/L | | 0.2 | Calculation | 10/04/2012 1635 | WN |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 09/28/2012 1430 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 10/04/2012 1635 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 10/10/2012 1351 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/10/2012 1351 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/10/2012 1057 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/10/2012 1057 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/11/2012 1557 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/11/2012 1557 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 10/11/2012 816 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 10/11/2012 816 | MB |
| Thorium 229 Tracer (30-120) | 81.7 | % | | 0.2 | ACW10 | 10/11/2012 816 | MB |
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 10/11/2012 000 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/11/2012 000 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/11/2012 1727 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/11/2012 1727 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/11/2012 1159 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/11/2012 1159 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 10/16/2012 1046 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 10/16/2012 1046 | MB |
| Thorium 229 Tracer (30-120) | 92.8 | % | | 0.2 | ACW10 | 10/16/2012 1046 | MB |

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- B Analyte detected in the associated Method Blank
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- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager

Page 2 of 16



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Private Well Samples
Lab ID: C11120623-003
Client Sample ID: Well #703

Report Date: 02/28/12
Collection Date: 12/15/11
Date Received: 12/20/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 144 | mg/L | | 1 | | A2320 B | 12/20/11 19:02 / jba |
| Carbonate as CO ₃ | ND | mg/L | | 1 | | A2320 B | 12/20/11 19:02 / jba |
| Bicarbonate as HCO ₃ | 176 | mg/L | | 1 | | A2320 B | 12/20/11 19:02 / jba |
| Calcium | 42 | mg/L | | 1 | | E200.8 | 12/30/11 18:48 / sml |
| Chloride | 3 | mg/L | | 1 | | E300.0 | 12/28/11 09:35 / ljl |
| Fluoride | 0.5 | mg/L | | 0.1 | | A4500-F C | 12/22/11 11:59 / jba |
| Magnesium | 8 | mg/L | | 1 | | E200.8 | 12/30/11 18:48 / sml |
| Nitrogen, Ammonia as N | ND | mg/L | | 0.05 | | A4500-NH ₃ G | 12/22/11 12:18 / dc |
| Nitrogen, Nitrate+Nitrite as N | 1.7 | mg/L | | 0.1 | | E353.2 | 12/21/11 13:15 / dc |
| Potassium | 3 | mg/L | | 1 | | E200.8 | 12/30/11 18:48 / sml |
| Silica | 65.7 | mg/L | | 0.2 | | E200.7 | 01/12/12 18:26 / cp |
| Sodium | 16 | mg/L | | 1 | | E200.8 | 12/30/11 18:48 / sml |
| Sulfate | 7 | mg/L | | 1 | | E300.0 | 12/28/11 09:35 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 325 | umhos/cm | | 1 | | A2510 B | 12/20/11 17:02 / wc |
| pH | 7.79 | s.u. | H | 0.01 | | A4500-H B | 12/21/11 10:34 / wc |
| Solids, Total Dissolved TDS @ 180 C | 208 | mg/L | | 10 | | A2540 C | 12/20/11 16:54 / wc |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.8 | 12/30/11 18:48 / sml |
| Arsenic | 0.004 | mg/L | | 0.001 | | E200.8 | 12/30/11 18:48 / sml |
| Barium | 0.1 | mg/L | | 0.1 | | E200.8 | 12/30/11 18:48 / sml |
| Boron | ND | mg/L | | 0.1 | | E200.8 | 12/30/11 18:48 / sml |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 12/30/11 18:48 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 12/30/11 18:48 / sml |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 12/30/11 18:48 / sml |
| Iron | ND | mg/L | | 0.03 | | E200.8 | 12/30/11 18:48 / sml |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 12/21/11 23:20 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 12/30/11 18:48 / sml |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 12/30/11 18:48 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.7 | 01/12/12 18:26 / cp |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 12/30/11 18:48 / sml |
| Selenium | 0.001 | mg/L | | 0.001 | | E200.8 | 12/30/11 18:48 / sml |
| Uranium | 0.0040 | mg/L | | 0.0003 | | E200.8 | 12/30/11 18:48 / sml |
| Uranium, Activity | 2.7E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 12/30/11 18:48 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 12/30/11 18:48 / sml |
| Zinc | 0.11 | mg/L | | 0.01 | | E200.8 | 12/30/11 18:48 / sml |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 12/27/11 19:21 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 12/27/11 19:21 / sml |

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
H - Analysis performed past recommended holding time.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Private Well Samples
Lab ID: C11120623-003
Client Sample ID: Well #703

Report Date: 02/28/12
Collection Date: 12/15/11
Date Received: 12/20/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|-----|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 01/01/12 12:13 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 01/01/12 12:13 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 01/01/12 12:13 / eli-cs |
| Polonium 210 | <0.5 | pCi/L | U | 0.5 | | E912.0 | 01/27/12 08:27 / plj |
| Polonium 210 precision (±) | 0.4 | pCi/L | | | | E912.0 | 01/27/12 08:27 / plj |
| Polonium 210 MDC | 0.5 | pCi/L | | | | E912.0 | 01/27/12 08:27 / plj |
| Radium 226 | 0.5 | pCi/L | | 0.1 | | E903.0 | 01/03/12 11:35 / js |
| Radium 226 precision (±) | 0.1 | pCi/L | | | | E903.0 | 01/03/12 11:35 / js |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 01/03/12 11:35 / js |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 01/03/12 13:19 / dmf |
| Thorium 230 precision (±) | 0.08 | pCi/L | | | | E908.0 | 01/03/12 13:19 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 01/03/12 13:19 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 01/07/12 14:10 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 01/07/12 14:10 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 01/07/12 14:10 / eli-cs |
| Polonium 210 | <0.5 | pCi/L | U | 0.5 | | E912.0 | 02/23/12 13:35 / ep |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 02/23/12 13:35 / ep |
| Polonium 210 MDC | 0.5 | pCi/L | | | | E912.0 | 02/23/12 13:35 / ep |
| Radium 226 | <0.1 | pCi/L | U | 0.1 | | E903.0 | 01/09/12 12:58 / trs |
| Radium 226 precision (±) | 0.07 | pCi/L | | | | E903.0 | 01/09/12 12:58 / trs |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 01/09/12 12:58 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 01/06/12 08:42 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 01/06/12 08:42 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 01/06/12 08:42 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 3.88 | % | | | | Calculation | 01/04/12 08:42 / kbh |
| Anions | 3.25 | meq/L | | | | Calculation | 01/04/12 08:42 / kbh |
| Cations | 3.51 | meq/L | | | | Calculation | 01/04/12 08:42 / kbh |
| Solids, Total Dissolved Calculated | 173 | mg/L | | | | Calculation | 01/04/12 08:42 / kbh |
| TDS Balance (0.80 - 1.20) | 1.20 | | | | | Calculation | 01/04/12 08:42 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Private Well Samples
Lab ID: C11090996-003
Client Sample ID: Well #703

Report Date: 11/10/11
Collection Date: 09/22/11
Date Received: 09/27/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|------------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 148 | mg/L | | 1 | | A2320 B | 09/27/11 17:11 / jba |
| Carbonate as CO ₃ | ND | mg/L | | 1 | | A2320 B | 09/27/11 17:11 / jba |
| Bicarbonate as HCO ₃ | 181 | mg/L | | 1 | | A2320 B | 09/27/11 17:11 / jba |
| Calcium | 41 | mg/L | | 1 | | E200.7 | 10/26/11 17:27 / cp |
| Chloride | 3 | mg/L | | 1 | | E300.0 | 10/05/11 03:31 / ljl |
| Fluoride | 0.5 | mg/L | | 0.1 | | A4500-F C | 09/28/11 10:28 / jba |
| Magnesium | 8 | mg/L | | 1 | | E200.7 | 10/26/11 17:27 / cp |
| Nitrogen, Ammonia as N | ND | mg/L | | 0.05 | | A4500-NH ₃ G | 10/11/11 15:48 / dc |
| Nitrogen, Nitrate+Nitrite as N | 1.7 | mg/L | | 0.1 | | E353.2 | 10/20/11 11:43 / ljl |
| Potassium | 3 | mg/L | | 1 | | E200.7 | 10/26/11 17:27 / cp |
| Silica | 68.5 | mg/L | | 0.2 | | E200.7 | 10/26/11 17:27 / cp |
| Sodium | 13 | mg/L | | 1 | | E200.7 | 10/26/11 17:27 / cp |
| Sulfate | 7 | mg/L | | 1 | | E300.0 | 10/05/11 03:31 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 315 | umhos/cm | | 1 | | A2510 B | 09/27/11 15:30 / lmc |
| pH | 7.99 | s.u. | | 0.01 | | A4500-H B | 09/27/11 15:30 / lmc |
| Solids, Total Dissolved TDS @ 180 C | 231 | mg/L | | 10 | | A2540 C | 09/27/11 17:18 / lmc |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.7 | 10/26/11 17:27 / cp |
| Arsenic | 0.004 | mg/L | | 0.001 | | E200.8 | 10/11/11 04:31 / sml |
| Barium | 0.1 | mg/L | | 0.1 | | E200.8 | 10/11/11 04:31 / sml |
| Boron | ND | mg/L | | 0.1 | | E200.7 | 10/26/11 17:27 / cp |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 10/11/11 04:31 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.7 | 10/26/11 17:27 / cp |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 10/11/11 04:31 / sml |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 10/26/11 17:27 / cp |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 10/11/11 04:31 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.7 | 10/31/11 11:12 / cp |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 10/11/11 04:31 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 10/11/11 04:31 / sml |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 10/11/11 04:31 / sml |
| Selenium | 0.002 | mg/L | | 0.001 | | E200.8 | 10/11/11 04:31 / sml |
| Uranium | 0.0061 | mg/L | | 0.0003 | | E200.8 | 10/11/11 04:31 / sml |
| Uranium, Activity | 4.1E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 10/11/11 04:31 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.7 | 10/31/11 11:12 / cp |
| Zinc | 0.07 | mg/L | | 0.01 | | E200.7 | 10/26/11 17:27 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 10/01/11 17:26 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 10/01/11 17:26 / sml |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Private Well Samples
Lab ID: C11090996-003
Client Sample ID: Well #703

Report Date: 11/10/11
Collection Date: 09/22/11
Date Received: 09/27/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|------------|-----|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 10/19/11 11:20 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 10/19/11 11:20 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 10/19/11 11:20 / eli-cs |
| Polonium 210 | 0.7 | pCi/L | | 0.6 | | E912.0 | 10/27/11 13:23 / ep |
| Polonium 210 precision (±) | 0.6 | pCi/L | | | | E912.0 | 10/27/11 13:23 / ep |
| Polonium 210 MDC | 0.6 | pCi/L | | | | E912.0 | 10/27/11 13:23 / ep |
| Radium 226 | <0.2 | pCi/L | U | 0.2 | | E903.0 | 10/17/11 12:13 / js |
| Radium 226 precision (±) | 0.1 | pCi/L | | | | E903.0 | 10/17/11 12:13 / js |
| Radium 226 MDC | 0.2 | pCi/L | | | | E903.0 | 10/17/11 12:13 / js |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 11/04/11 08:39 / dmf |
| Thorium 230 precision (±) | 0.09 | pCi/L | | | | E908.0 | 11/04/11 08:39 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 11/04/11 08:39 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.6 | pCi/L | U | 0.6 | | E909.0 | 10/10/11 14:22 / eli-cs |
| Lead 210 precision (±) | 0.3 | pCi/L | | | | E909.0 | 10/10/11 14:22 / eli-cs |
| Lead 210 MDC | 0.6 | pCi/L | | | | E909.0 | 10/10/11 14:22 / eli-cs |
| Polonium 210 | <0.2 | pCi/L | U | 0.2 | | E912.0 | 10/28/11 13:25 / ep |
| Polonium 210 precision (±) | 0.1 | pCi/L | | | | E912.0 | 10/28/11 13:25 / ep |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 10/28/11 13:25 / ep |
| Radium 226 | <0.1 | pCi/L | U | 0.1 | | E903.0 | 10/11/11 17:37 / js |
| Radium 226 precision (±) | 0.05 | pCi/L | | | | E903.0 | 10/11/11 17:37 / js |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 10/11/11 17:37 / js |
| Thorium 230 | 0.3 | pCi/L | | 0.1 | | E908.0 | 10/22/11 15:09 / dmf |
| Thorium 230 precision (±) | 0.2 | pCi/L | | | | E908.0 | 10/22/11 15:09 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 10/22/11 15:09 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 0.341 | % | | | | Calculation | 11/02/11 12:38 / kbh |
| Anions | 3.33 | meq/L | | | | Calculation | 11/02/11 12:38 / kbh |
| Cations | 3.36 | meq/L | | | | Calculation | 11/02/11 12:38 / kbh |
| Solids, Total Dissolved Calculated | 259 | mg/L | | | | Calculation | 11/02/11 12:38 / kbh |
| TDS Balance (0.80 - 1.20) | 0.890 | | | | | Calculation | 11/02/11 12:38 / kbh |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported: 10/5/2012
Report ID: S1209161001

ProjectName: Marsland Private Wells 3rd Qtr 2012
Lab ID: S1209161-010
ClientSample ID: Well 703
COC: WEB

WorkOrder: S1209161
CollectionDate: 9/7/2012
DateReceived: 9/11/2012 11:52:00 AM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Uranium | 0.0049 | mg/L | | 0.0003 | EPA 200.8 | 09/12/2012 1516 | MS |
| Uranium Activity | 3.3 | pCi/L | | 0.2 | Calculation | 10/05/2012 1435 | WN |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 09/18/2012 2304 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 10/05/2012 1435 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | 1.9 | pCi/L | | 1 | OTW01 | 09/28/2012 1201 | SH |
| Lead 210 Precision (±) | 0.6 | pCi/L | | | OTW01 | 09/28/2012 1201 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 09/27/2012 1350 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 09/27/2012 1350 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 09/26/2012 1634 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 09/26/2012 1634 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 09/27/2012 904 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 09/27/2012 904 | MB |
| Thorium 229 Tracer (30-120) | 80.9 | % | | 0.2 | ACW10 | 09/27/2012 904 | MB |
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 10/04/2012 1215 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/04/2012 1215 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/03/2012 1303 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/03/2012 1303 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/02/2012 1551 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/02/2012 1551 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 09/25/2012 000 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 09/25/2012 000 | MB |
| Thorium 229 Tracer (30-120) | 70.1 | % | | 0.2 | ACW10 | 09/25/2012 000 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11040726-001
Client Sample ID: Well 705

Report Date: 06/20/11
Collection Date: 04/20/11
Date Received: 04/22/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|------------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 149 | mg/L | | 1 | | A2320 B | 04/22/11 18:05 / jba |
| Carbonate as CO ₃ | ND | mg/L | | 1 | | A2320 B | 04/22/11 18:05 / jba |
| Bicarbonate as HCO ₃ | 182 | mg/L | | 1 | | A2320 B | 04/22/11 18:05 / jba |
| Calcium | 34 | mg/L | | 1 | | E200.7 | 05/13/11 13:34 / cp |
| Chloride | 3 | mg/L | | 1 | | E300.0 | 04/26/11 10:19 / lji |
| Fluoride | 0.6 | mg/L | | 0.1 | | A4500-F C | 04/25/11 12:25 / jba |
| Magnesium | 8 | mg/L | | 1 | | E200.7 | 05/13/11 13:34 / cp |
| Nitrogen, Ammonia as N | ND | mg/L | | 0.05 | | A4500-NH ₃ G | 04/25/11 12:24 / dc |
| Nitrogen, Nitrate+Nitrite as N | 1.4 | mg/L | | 0.1 | | E353.2 | 04/29/11 13:04 / dc |
| Potassium | 4 | mg/L | | 1 | | E200.7 | 05/13/11 13:34 / cp |
| Silica | 72.4 | mg/L | | 0.2 | | E200.7 | 05/19/11 13:14 / cp |
| Sodium | 19 | mg/L | | 1 | | E200.7 | 05/13/11 13:34 / cp |
| Sulfate | 9 | mg/L | | 1 | | E300.0 | 04/26/11 10:19 / lji |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 301 | umhos/cm | | 1 | | A2510 B | 04/22/11 16:01 / lr |
| pH | 7.93 | s.u. | | 0.01 | | A4500-H B | 04/22/11 16:01 / lr |
| Solids, Total Dissolved TDS @ 180 C | 234 | mg/L | | 10 | | A2540 C | 04/22/11 16:23 / lmc |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.8 | 04/26/11 21:15 / sml |
| Arsenic | 0.003 | mg/L | | 0.001 | | E200.8 | 04/26/11 21:15 / sml |
| Barium | 0.1 | mg/L | | 0.1 | | E200.8 | 04/26/11 21:15 / sml |
| Boron | 0.1 | mg/L | | 0.1 | | E200.7 | 05/13/11 13:34 / cp |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 04/26/11 21:15 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 04/26/11 21:15 / sml |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 04/26/11 21:15 / sml |
| Iron | 0.06 | mg/L | | 0.03 | | E200.7 | 05/13/11 13:34 / cp |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 04/26/11 21:15 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 04/26/11 21:15 / sml |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 04/26/11 21:15 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 04/26/11 21:15 / sml |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 04/26/11 21:15 / sml |
| Selenium | 0.001 | mg/L | | 0.001 | | E200.8 | 04/26/11 21:15 / sml |
| Uranium | 0.0065 | mg/L | | 0.0003 | | E200.8 | 04/26/11 21:15 / sml |
| Uranium, Activity | 4.4E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 04/26/11 21:15 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 04/26/11 21:15 / sml |
| Zinc | 0.10 | mg/L | | 0.01 | | E200.7 | 05/13/11 13:34 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 04/30/11 07:19 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 04/30/11 07:19 / sml |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Samples
Lab ID: C11040726-001
Client Sample ID: Well 705

Report Date: 06/20/11
Collection Date: 04/20/11
Date Received: 04/22/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|------------|-----|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.9 | pCi/L | U | 0.9 | | E909.0 | 06/09/11 21:03 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 06/09/11 21:03 / eli-cs |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 06/09/11 21:03 / eli-cs |
| Polonium 210 | <0.6 | pCi/L | U | 0.6 | | E912.0 | 05/09/11 09:06 / ep |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 05/09/11 09:06 / ep |
| Polonium 210 MDC | 0.6 | pCi/L | | | | E912.0 | 05/09/11 09:06 / ep |
| Radium 226 | 0.9 | pCi/L | | 0.1 | | E903.0 | 05/09/11 16:29 / trs |
| Radium 226 precision (±) | 0.2 | pCi/L | | | | E903.0 | 05/09/11 16:29 / trs |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 05/09/11 16:29 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 05/20/11 16:22 / dmf |
| Thorium 230 precision (±) | 0.08 | pCi/L | | | | E908.0 | 05/20/11 16:22 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 05/20/11 16:22 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.9 | pCi/L | U | 0.9 | | E909.0 | 06/11/11 04:11 / eli-cs |
| Lead 210 precision (±) | 0.6 | pCi/L | | | | E909.0 | 06/11/11 04:11 / eli-cs |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 06/11/11 04:11 / eli-cs |
| Polonium 210 | <0.2 | pCi/L | U | 0.2 | | E912.0 | 05/05/11 11:49 / ep |
| Polonium 210 precision (±) | 0.09 | pCi/L | | | | E912.0 | 05/05/11 11:49 / ep |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 05/05/11 11:49 / ep |
| Radium 226 | <0.1 | pCi/L | U | 0.1 | | E903.0 | 05/11/11 10:48 / trs |
| Radium 226 precision (±) | 0.05 | pCi/L | | | | E903.0 | 05/11/11 10:48 / trs |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 05/11/11 10:48 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 05/09/11 14:36 / dmf |
| Thorium 230 precision (±) | 0.1 | pCi/L | | | | E908.0 | 05/09/11 14:36 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 05/09/11 14:36 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | -0.304 | % | | | | Calculation | 05/25/11 07:48 / kbh |
| Anions | 3.37 | meq/L | | | | Calculation | 05/25/11 07:48 / kbh |
| Cations | 3.35 | meq/L | | | | Calculation | 05/25/11 07:48 / kbh |
| Solids, Total Dissolved Calculated | 265 | mg/L | | | | Calculation | 05/25/11 07:48 / kbh |
| TDS Balance (0.80 - 1.20) | 0.880 | | | | | Calculation | 05/25/11 07:48 / kbh |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



Inter-Mountain Labs

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported: 10/24/2012
Report ID: S1209356001

ProjectName: Maryland Private Wells 3rd Qtr 2012 *Marland*
Lab ID: S1209356-016
ClientSample ID: Well 720
COC:

WorkOrder: S1209356
CollectionDate: 9/17/2012
DateReceived: 9/20/2012 10:30:00 AM
FieldSampler:
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Uranium | 0.0073 | mg/L | | 0.0003 | EPA 200.8 | 09/21/2012 145 | MS |
| Uranium Activity | 4.9 | pCi/L | | 0.2 | Calculation | 10/04/2012 1635 | WN |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 09/28/2012 1553 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 10/04/2012 1635 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 10/10/2012 1633 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/10/2012 1633 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/10/2012 1206 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/10/2012 1206 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/12/2012 1334 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/12/2012 1334 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 10/15/2012 918 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 10/15/2012 918 | MB |
| Thorium 229 Tracer (30-120) | 80.4 | % | | 0.2 | ACW10 | 10/15/2012 918 | MB |
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 10/12/2012 1729 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/12/2012 1729 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/12/2012 000 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/12/2012 000 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/11/2012 1418 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/11/2012 1418 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 10/15/2012 918 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 10/15/2012 918 | MB |
| Thorium 229 Tracer (30-120) | 79.2 | % | | 0.2 | ACW10 | 10/15/2012 918 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager

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Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported: 10/24/2012
Report ID: S1209356001

ProjectName: Marsland Private Wells 3rd Qtr 2012 *Marsland*
Lab ID: S1209356-006
ClientSample ID: Well 721
COC:

WorkOrder: S1209356
CollectionDate: 9/17/2012
DateReceived: 9/20/2012 10:30:00 AM
FieldSampler:
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Uranium | 0.0055 | mg/L | | 0.0003 | EPA 200.8 | 09/21/2012 031 | MS |
| Uranium Activity | 3.7 | pCi/L | | 0.2 | Calculation | 10/04/2012 1635 | WN |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 09/28/2012 1445 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 10/04/2012 1635 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | 1.3 | pCi/L | | 1 | OTW01 | 10/10/2012 1351 | SH |
| Lead 210 Precision (±) | 0.4 | pCi/L | | | OTW01 | 10/10/2012 1351 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/10/2012 1057 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/10/2012 1057 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/11/2012 1557 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/11/2012 1557 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 10/12/2012 814 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 10/12/2012 814 | MB |
| Thorium 229 Tracer (30-120) | 71.4 | % | | 0.2 | ACW10 | 10/12/2012 814 | MB |
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 10/11/2012 000 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/11/2012 000 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/11/2012 1727 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/11/2012 1727 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/11/2012 1159 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/11/2012 1159 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 10/16/2012 1046 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 10/16/2012 1046 | MB |
| Thorium 229 Tracer (30-120) | 90.0 | % | | 0.2 | ACW10 | 10/16/2012 1046 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager



Inter-Mountain Labs

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 10/24/2012
Report ID: S1209356001

ProjectName: Marsland Private Wells 3rd Qtr 2012 *Marsland*
Lab ID: S1209356-015
ClientSample ID: Well 722
COC:

WorkOrder: S1209356
CollectionDate: 9/17/2012
DateReceived: 9/20/2012 10:30:00 AM
FieldSampler:
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Uranium | 0.0061 | mg/L | | 0.0003 | EPA 200.8 | 09/21/2012 140 | MS |
| Uranium Activity | 4.1 | pCi/L | | 0.2 | Calculation | 10/04/2012 1635 | WN |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 09/28/2012 1549 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 10/04/2012 1635 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 10/10/2012 1633 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/10/2012 1633 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/10/2012 1206 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/10/2012 1206 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/12/2012 1334 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/12/2012 1334 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 10/15/2012 918 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 10/15/2012 918 | MB |
| Thorium 229 Tracer (30-120) | 89.0 | % | | 0.2 | ACW10 | 10/15/2012 918 | MB |
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 10/12/2012 1729 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/12/2012 1729 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/12/2012 000 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/12/2012 000 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/11/2012 1418 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/11/2012 1418 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 10/17/2012 844 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 10/17/2012 844 | MB |
| Thorium 229 Tracer (30-120) | 68.3 | % | | 0.2 | ACW10 | 10/17/2012 844 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Private Well Samples
Lab ID: C11090996-004
Client Sample ID: Well #723

Report Date: 11/10/11
Collection Date: 09/22/11
Date Received: 09/27/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 154 | mg/L | | 1 | | A2320 B | 09/27/11 17:20 / jba |
| Carbonate as CO ₃ | ND | mg/L | | 1 | | A2320 B | 09/27/11 17:20 / jba |
| Bicarbonate as HCO ₃ | 187 | mg/L | | 1 | | A2320 B | 09/27/11 17:20 / jba |
| Calcium | 34 | mg/L | | 1 | | E200.7 | 10/26/11 17:31 / cp |
| Chloride | 3 | mg/L | | 1 | | E300.0 | 10/05/11 03:44 / lji |
| Fluoride | 0.7 | mg/L | | 0.1 | | A4500-F C | 09/28/11 10:30 / jba |
| Magnesium | 8 | mg/L | | 1 | | E200.7 | 10/26/11 17:31 / cp |
| Nitrogen, Ammonia as N | ND | mg/L | | 0.05 | | A4500-NH ₃ G | 10/11/11 15:56 / dc |
| Nitrogen, Nitrate+Nitrite as N | 0.8 | mg/L | | 0.1 | | E353.2 | 10/20/11 11:46 / lji |
| Potassium | 3 | mg/L | | 1 | | E200.7 | 10/26/11 17:31 / cp |
| Silica | 78.3 | mg/L | | 0.2 | | E200.7 | 10/26/11 17:31 / cp |
| Sodium | 17 | mg/L | | 1 | | E200.7 | 10/26/11 17:31 / cp |
| Sulfate | 9 | mg/L | | 1 | | E300.0 | 10/05/11 03:44 / lji |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 308 | umhos/cm | | 1 | | A2510 B | 09/27/11 15:33 / lmc |
| pH | 7.99 | s.u. | | 0.01 | | A4500-H B | 09/27/11 15:33 / lmc |
| Solids, Total Dissolved TDS @ 180 C | 235 | mg/L | | 10 | | A2540 C | 09/27/11 17:19 / lmc |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.7 | 10/26/11 17:31 / cp |
| Arsenic | 0.007 | mg/L | | 0.001 | | E200.8 | 10/11/11 04:58 / sml |
| Barium | 0.1 | mg/L | | 0.1 | | E200.8 | 10/11/11 04:58 / sml |
| Boron | ND | mg/L | | 0.1 | | E200.7 | 10/26/11 17:31 / cp |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 10/11/11 04:58 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.7 | 10/26/11 17:31 / cp |
| Copper | 0.04 | mg/L | | 0.01 | | E200.8 | 10/11/11 04:58 / sml |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 10/26/11 17:31 / cp |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 10/11/11 04:58 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.7 | 10/31/11 11:16 / cp |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 10/11/11 04:58 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 10/11/11 04:58 / sml |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 10/11/11 04:58 / sml |
| Selenium | 0.002 | mg/L | | 0.001 | | E200.8 | 10/11/11 04:58 / sml |
| Uranium | 0.0073 | mg/L | | 0.0003 | | E200.8 | 11/04/11 00:21 / sml |
| Uranium, Activity | 5.0E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 11/04/11 00:21 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.7 | 10/31/11 11:16 / cp |
| Zinc | 0.10 | mg/L | | 0.01 | | E200.7 | 10/26/11 17:31 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 10/01/11 17:27 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 10/01/11 17:27 / sml |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Private Well Samples
Lab ID: C11090996-004
Client Sample ID: Well #723

Report Date: 11/10/11
Collection Date: 09/22/11
Date Received: 09/27/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|-----|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 10/19/11 14:40 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 10/19/11 14:40 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 10/19/11 14:40 / eli-cs |
| Polonium 210 | <0.6 | pCi/L | U | 0.6 | | E912.0 | 10/27/11 13:23 / ep |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 10/27/11 13:23 / ep |
| Polonium 210 MDC | 0.6 | pCi/L | | | | E912.0 | 10/27/11 13:23 / ep |
| Radium 226 | 0.2 | pCi/L | | 0.2 | | E903.0 | 10/17/11 12:13 / js |
| Radium 226 precision (±) | 0.1 | pCi/L | | | | E903.0 | 10/17/11 12:13 / js |
| Radium 226 MDC | 0.2 | pCi/L | | | | E903.0 | 10/17/11 12:13 / js |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 11/04/11 08:39 / dmf |
| Thorium 230 precision (±) | 0.08 | pCi/L | | | | E908.0 | 11/04/11 08:39 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 11/04/11 08:39 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.6 | pCi/L | U | 0.6 | | E909.0 | 10/10/11 16:37 / eli-cs |
| Lead 210 precision (±) | 0.3 | pCi/L | | | | E909.0 | 10/10/11 16:37 / eli-cs |
| Lead 210 MDC | 0.6 | pCi/L | | | | E909.0 | 10/10/11 16:37 / eli-cs |
| Polonium 210 | <0.1 | pCi/L | U | 0.1 | | E912.0 | 10/28/11 13:25 / ep |
| Polonium 210 precision (±) | 0.07 | pCi/L | | | | E912.0 | 10/28/11 13:25 / ep |
| Polonium 210 MDC | 0.1 | pCi/L | | | | E912.0 | 10/28/11 13:25 / ep |
| Radium 226 | <0.1 | pCi/L | U | 0.1 | | E903.0 | 10/11/11 17:37 / js |
| Radium 226 precision (±) | 0.04 | pCi/L | | | | E903.0 | 10/11/11 17:37 / js |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 10/11/11 17:37 / js |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 10/22/11 15:09 / dmf |
| Thorium 230 precision (±) | 0.09 | pCi/L | | | | E908.0 | 10/22/11 15:09 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 10/22/11 15:09 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | -3.11 | % | | | | Calculation | 11/02/11 12:38 / kbh |
| Anions | 3.41 | meq/L | | | | Calculation | 11/02/11 12:38 / kbh |
| Cations | 3.21 | meq/L | | | | Calculation | 11/02/11 12:38 / kbh |
| Solids, Total Dissolved Calculated | 269 | mg/L | | | | Calculation | 11/02/11 12:38 / kbh |
| TDS Balance (0.80 - 1.20) | 0.870 | | | | | Calculation | 11/02/11 12:38 / kbh |

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 10/24/2012
Report ID: S1209356001

ProjectName: Marsland Private Wells 3rd Qtr 2012 *Marsland*
Lab ID: S1209356-004
ClientSample ID: Well 723
COC:

WorkOrder: S1209356
CollectionDate: 9/17/2012
DateReceived: 9/20/2012 10:30:00 AM
FieldSampler:
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Uranium | 0.0078 | mg/L | | 0.0003 | EPA 200.8 | 09/21/2012 021 | MS |
| Uranium Activity | 5.3 | pCi/L | | 0.2 | Calculation | 10/04/2012 1635 | WN |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 09/28/2012 1438 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 10/04/2012 1635 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | 1.5 | pCi/L | | 1 | OTW01 | 10/10/2012 1351 | SH |
| Lead 210 Precision (±) | 0.6 | pCi/L | | | OTW01 | 10/10/2012 1351 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/10/2012 1057 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/10/2012 1057 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/11/2012 1557 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/11/2012 1557 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 10/11/2012 816 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 10/11/2012 816 | MB |
| Thorium 229 Tracer (30-120) | 71.0 | % | | 0.2 | ACW10 | 10/11/2012 816 | MB |
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 10/11/2012 000 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/11/2012 000 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/11/2012 1727 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/11/2012 1727 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/11/2012 1159 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/11/2012 1159 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 10/16/2012 1046 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 10/16/2012 1046 | MB |
| Thorium 229 Tracer (30-120) | 91.4 | % | | 0.2 | ACW10 | 10/16/2012 1046 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Private Well Samples
Lab ID: C11091177-001
Client Sample ID: Well #725

Report Date: 11/11/11
Collection Date: 09/29/11
Date Received: 09/30/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|------------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 156 | mg/L | | 1 | | A2320 B | 10/01/11 04:39 / jba |
| Carbonate as CO ₃ | 4 | mg/L | | 1 | | A2320 B | 10/01/11 04:39 / jba |
| Bicarbonate as HCO ₃ | 182 | mg/L | | 1 | | A2320 B | 10/01/11 04:39 / jba |
| Calcium | 30 | mg/L | | 1 | | E200.8 | 11/04/11 03:03 / sml |
| Chloride | 3 | mg/L | | 1 | | E300.0 | 10/09/11 06:26 / ljl |
| Fluoride | 0.7 | mg/L | | 0.1 | | A4500-F C | 10/03/11 10:53 / jba |
| Magnesium | 7 | mg/L | | 1 | | E200.8 | 11/04/11 03:03 / sml |
| Nitrogen, Ammonia as N | ND | mg/L | | 0.05 | | A4500-NH ₃ G | 10/14/11 17:07 / dc |
| Nitrogen, Nitrate+Nitrite as N | 0.8 | mg/L | | 0.1 | | E353.2 | 10/21/11 23:25 / ljl |
| Potassium | 4 | mg/L | | 1 | | E200.8 | 11/04/11 03:03 / sml |
| Silica | 72.0 | mg/L | | 0.2 | | E200.7 | 10/26/11 17:59 / cp |
| Sodium | 25 | mg/L | | 1 | | E200.8 | 11/04/11 03:03 / sml |
| Sulfate | 13 | mg/L | | 1 | | E300.0 | 10/09/11 06:26 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 309 | umhos/cm | | 1 | | A2510 B | 10/03/11 09:21 / lmc |
| pH | 8.00 | s.u. | | 0.01 | | A4500-H B | 10/03/11 09:21 / lmc |
| Solids, Total Dissolved TDS @ 180 C | 248 | mg/L | | 10 | | A2540 C | 10/03/11 16:35 / lmc |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.7 | 10/26/11 17:59 / cp |
| Arsenic | 0.005 | mg/L | | 0.001 | | E200.8 | 11/04/11 03:03 / sml |
| Barium | ND | mg/L | | 0.1 | | E200.7 | 10/26/11 17:59 / cp |
| Boron | ND | mg/L | | 0.1 | | E200.7 | 10/26/11 17:59 / cp |
| Cadmium | ND | mg/L | | 0.005 | | E200.7 | 10/26/11 17:59 / cp |
| Chromium | ND | mg/L | | 0.05 | | E200.7 | 10/26/11 17:59 / cp |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 11/04/11 03:03 / sml |
| Iron | 0.04 | mg/L | | 0.03 | | E200.7 | 10/26/11 17:59 / cp |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 11/04/11 03:03 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 11/04/11 03:03 / sml |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 11/04/11 03:03 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.7 | 10/26/11 17:59 / cp |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 11/04/11 03:03 / sml |
| Selenium | ND | mg/L | | 0.001 | | E200.8 | 11/04/11 03:03 / sml |
| Uranium | 0.0061 | mg/L | | 0.0003 | | E200.8 | 11/04/11 03:03 / sml |
| Uranium, Activity | 4.1E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 11/04/11 03:03 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 11/04/11 03:03 / sml |
| Zinc | 0.18 | mg/L | | 0.01 | | E200.7 | 10/26/11 17:59 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 10/08/11 01:41 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 10/08/11 01:41 / sml |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Private Well Samples
Lab ID: C11091177-001
Client Sample ID: Well #725

Report Date: 11/11/11
Collection Date: 09/29/11
Date Received: 09/30/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|------------|-----|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 10/20/11 00:40 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 10/20/11 00:40 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 10/20/11 00:40 / eli-cs |
| Polonium 210 | 1 | pCi/L | | 0.5 | | E912.0 | 10/14/11 11:17 / ep |
| Polonium 210 precision (±) | 0.6 | pCi/L | | | | E912.0 | 10/14/11 11:17 / ep |
| Polonium 210 MDC | 0.5 | pCi/L | | | | E912.0 | 10/14/11 11:17 / ep |
| Radium 226 | 0.3 | pCi/L | | 0.1 | | E903.0 | 10/17/11 17:31 / js |
| Radium 226 precision (±) | 0.1 | pCi/L | | | | E903.0 | 10/17/11 17:31 / js |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 10/17/11 17:31 / js |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 11/04/11 08:40 / dmf |
| Thorium 230 precision (±) | 0.09 | pCi/L | | | | E908.0 | 11/04/11 08:40 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 11/04/11 08:40 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.6 | pCi/L | U | 0.6 | | E909.0 | 10/29/11 01:07 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 10/29/11 01:07 / eli-cs |
| Lead 210 MDC | 0.6 | pCi/L | | | | E909.0 | 10/29/11 01:07 / eli-cs |
| Polonium 210 | <0.2 | pCi/L | U | 0.2 | | E912.0 | 10/28/11 16:56 / ep |
| Polonium 210 precision (±) | 0.09 | pCi/L | | | | E912.0 | 10/28/11 16:56 / ep |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 10/28/11 16:56 / ep |
| Radium 226 | <0.1 | pCi/L | U | 0.1 | | E903.0 | 10/18/11 00:00 / js |
| Radium 226 precision (±) | 0.03 | pCi/L | | | | E903.0 | 10/18/11 00:00 / js |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 10/18/11 00:00 / js |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 11/04/11 13:16 / dmf |
| Thorium 230 precision (±) | 0.04 | pCi/L | | | | E908.0 | 11/04/11 13:16 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 11/04/11 13:16 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | -5.17 | % | | | | Calculation | 11/09/11 09:00 / kbh |
| Anions | 3.56 | meq/L | | | | Calculation | 11/09/11 09:00 / kbh |
| Cations | 3.21 | meq/L | | | | Calculation | 11/09/11 09:00 / kbh |
| Solids, Total Dissolved Calculated | 270 | mg/L | | | | Calculation | 11/09/11 09:00 / kbh |
| TDS Balance (0.80 - 1.20) | 0.920 | | | | | Calculation | 11/09/11 09:00 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Private Well Samples
Lab ID: C11090996-006
Client Sample ID: Well #727

Report Date: 11/10/11
Collection Date: 09/22/11
Date Received: 09/27/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|--|--------|-------|------------|------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 150 | mg/L | | 1 | | A2320 B | 09/27/11 17:36 / jba |
| Carbonate as CO ₃ | ND | mg/L | | 1 | | A2320 B | 09/27/11 17:36 / jba |
| Bicarbonate as HCO ₃ | 182 | mg/L | | 1 | | A2320 B | 09/27/11 17:36 / jba |
| Calcium | 31 | mg/L | | 1 | | E200.7 | 10/26/11 17:39 / cp |
| Chloride | 5 | mg/L | | 1 | | E300.0 | 10/05/11 04:11 / ljl |
| Fluoride | 0.5 | mg/L | | 0.1 | | A4500-F C | 09/28/11 10:42 / jba |
| Magnesium | 13 | mg/L | | 1 | | E200.7 | 10/26/11 17:39 / cp |
| Nitrogen, Ammonia as N | ND | mg/L | | 0.05 | | A4500-NH ₃ G | 10/11/11 16:04 / dc |
| Nitrogen, Nitrate+Nitrite as N | 1.4 | mg/L | H | 0.1 | | E353.2 | 10/21/11 10:47 / dc |
| Potassium | 4 | mg/L | | 1 | | E200.7 | 10/26/11 17:39 / cp |
| Silica | 81.8 | mg/L | | 0.2 | | E200.7 | 10/26/11 17:39 / cp |
| Sodium | 17 | mg/L | | 1 | | E200.7 | 10/26/11 17:39 / cp |
| Sulfate | 9 | mg/L | | 1 | | E300.0 | 10/05/11 04:11 / ljl |

- H-Original analysis was done within hold time. Data is from recheck analysis.

PHYSICAL PROPERTIES

| | | | | | | | |
|-------------------------------------|------|----------|--|------|--|-----------|----------------------|
| Conductivity @ 25 C | 325 | umhos/cm | | 1 | | A2510 B | 09/27/11 15:38 / lmc |
| pH | 8.01 | s.u. | | 0.01 | | A4500-H B | 09/27/11 15:38 / lmc |
| Solids, Total Dissolved TDS @ 180 C | 244 | mg/L | | 10 | | A2540 C | 09/27/11 17:19 / lmc |

METALS - DISSOLVED

| | | | | | | | |
|-------------------|---------|--------|--|---------|--|--------|----------------------|
| Aluminum | ND | mg/L | | 0.1 | | E200.7 | 10/26/11 17:39 / cp |
| Arsenic | 0.003 | mg/L | | 0.001 | | E200.8 | 10/11/11 05:11 / sml |
| Barium | 0.1 | mg/L | | 0.1 | | E200.8 | 10/11/11 05:11 / sml |
| Boron | ND | mg/L | | 0.1 | | E200.7 | 10/26/11 17:39 / cp |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 10/11/11 05:11 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.7 | 10/26/11 17:39 / cp |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 10/11/11 05:11 / sml |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 10/26/11 17:39 / cp |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 10/11/11 05:11 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.7 | 10/31/11 11:25 / cp |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 10/11/11 05:11 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 10/11/11 05:11 / sml |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 10/11/11 05:11 / sml |
| Selenium | 0.003 | mg/L | | 0.001 | | E200.8 | 10/11/11 05:11 / sml |
| Uranium | 0.0119 | mg/L | | 0.0003 | | E200.8 | 10/11/11 05:11 / sml |
| Uranium, Activity | 8.0E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 10/11/11 05:11 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.7 | 10/31/11 11:25 / cp |
| Zinc | 0.30 | mg/L | | 0.01 | | E200.7 | 10/26/11 17:39 / cp |

METALS - SUSPENDED

| | | | | | | | |
|-------------------|----|--------|--|---------|--|--------|----------------------|
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 10/01/11 17:29 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 10/01/11 17:29 / sml |

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
H - Analysis performed past recommended holding time.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Private Well Samples
Lab ID: C11090996-006
Client Sample ID: Well #727

Report Date: 11/10/11
Collection Date: 09/22/11
Date Received: 09/27/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|---------|-------|------------|-----|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 10/19/11 21:20 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 10/19/11 21:20 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 10/19/11 21:20 / eli-cs |
| Polonium 210 | <0.5 | pCi/L | U | 0.5 | | E912.0 | 10/28/11 09:11 / ep |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 10/28/11 09:11 / ep |
| Polonium 210 MDC | 0.5 | pCi/L | | | | E912.0 | 10/28/11 09:11 / ep |
| Radium 226 | 0.2 | pCi/L | | 0.2 | | E903.0 | 10/17/11 12:13 / js |
| Radium 226 precision (±) | 0.1 | pCi/L | | | | E903.0 | 10/17/11 12:13 / js |
| Radium 226 MDC | 0.2 | pCi/L | | | | E903.0 | 10/17/11 12:13 / js |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 11/04/11 08:39 / dmf |
| Thorium 230 precision (±) | 0.04 | pCi/L | | | | E908.0 | 11/04/11 08:39 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 11/04/11 08:39 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.6 | pCi/L | U | 0.6 | | E909.0 | 10/10/11 21:06 / eli-cs |
| Lead 210 precision (±) | 0.3 | pCi/L | | | | E909.0 | 10/10/11 21:06 / eli-cs |
| Lead 210 MDC | 0.6 | pCi/L | | | | E909.0 | 10/10/11 21:06 / eli-cs |
| Polonium 210 | <0.2 | pCi/L | U | 0.2 | | E912.0 | 10/28/11 13:25 / ep |
| Polonium 210 precision (±) | 0.07 | pCi/L | | | | E912.0 | 10/28/11 13:25 / ep |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 10/28/11 13:25 / ep |
| Radium 226 | <0.1 | pCi/L | U | 0.1 | | E903.0 | 10/11/11 17:37 / js |
| Radium 226 precision (±) | 0.04 | pCi/L | | | | E903.0 | 10/11/11 17:37 / js |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 10/11/11 17:37 / js |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 10/22/11 15:09 / dmf |
| Thorium 230 precision (±) | 0.1 | pCi/L | | | | E908.0 | 10/22/11 15:09 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 10/22/11 15:09 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 0.00487 | % | | | | Calculation | 11/02/11 12:39 / kbh |
| Anions | 3.44 | meq/L | | | | Calculation | 11/02/11 12:39 / kbh |
| Cations | 3.44 | meq/L | | | | Calculation | 11/02/11 12:39 / kbh |
| Solids, Total Dissolved Calculated | 279 | mg/L | | | | Calculation | 11/02/11 12:39 / kbh |
| TDS Balance (0.80 - 1.20) | 0.870 | | | | | Calculation | 11/02/11 12:39 / kbh |

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

MDC - Minimum detectable concentration

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



Inter-Mountain Labs

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 10/24/2012
Report ID: S1209356001

ProjectName: Marsland Private Wells 3rd Qtr 2012 *Marsland*
Lab ID: S1209356-003
ClientSample ID: Well 728
COC:

WorkOrder: S1209356
CollectionDate: 9/17/2012
DateReceived: 9/20/2012 10:30:00 AM
FieldSampler:
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Uranium | 0.0066 | mg/L | | 0.0003 | EPA 200.8 | 09/21/2012 016 | MS |
| Uranium Activity | 4.5 | pCi/L | | 0.2 | Calculation | 10/04/2012 1635 | WN |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 09/28/2012 1434 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 10/04/2012 1635 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 10/10/2012 1351 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/10/2012 1351 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/10/2012 1057 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/10/2012 1057 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/11/2012 1557 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/11/2012 1557 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 10/11/2012 816 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 10/11/2012 816 | MB |
| Thorium 229 Tracer (30-120) | 73.4 | % | | 0.2 | ACW10 | 10/11/2012 816 | MB |
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 10/11/2012 000 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/11/2012 000 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/11/2012 1727 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/11/2012 1727 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/11/2012 1159 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/11/2012 1159 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 10/16/2012 1046 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 10/16/2012 1046 | MB |
| Thorium 229 Tracer (30-120) | 93.0 | % | | 0.2 | ACW10 | 10/16/2012 1046 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 10/24/2012
Report ID: S1209356001

ProjectName: Marsland Private Wells 3rd Qtr 2012 *marsland*
Lab ID: S1209356-005
ClientSample ID: Well 730
COC:

WorkOrder: S1209356
CollectionDate: 9/17/2012
DateReceived: 9/20/2012 10:30:00 AM
FieldSampler:
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Uranium | 0.0079 | mg/L | | 0.0003 | EPA 200.8 | 09/21/2012 026 | MS |
| Uranium Activity | 5.4 | pCi/L | | 0.2 | Calculation | 10/04/2012 1635 | WN |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 09/28/2012 1441 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 10/04/2012 1635 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | 1.5 | pCi/L | | 1 | OTW01 | 10/10/2012 1351 | SH |
| Lead 210 Precision (±) | 0.5 | pCi/L | | | OTW01 | 10/10/2012 1351 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/10/2012 1057 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/10/2012 1057 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/11/2012 1557 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/11/2012 1557 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 10/12/2012 814 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 10/12/2012 814 | MB |
| Thorium 229 Tracer (30-120) | 70.2 | % | | 0.2 | ACW10 | 10/12/2012 814 | MB |
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 10/11/2012 000 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/11/2012 000 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/11/2012 1727 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/11/2012 1727 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/11/2012 1159 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/11/2012 1159 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 10/16/2012 1046 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 10/16/2012 1046 | MB |
| Thorium 229 Tracer (30-120) | 89.0 | % | | 0.2 | ACW10 | 10/16/2012 1046 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples June 2012
Lab ID: C12070057-002
Client Sample ID: Oetken Pivot

Report Date: 08/21/12
Collection Date: Not Provided
Date Received: 07/03/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0081 | mg/L | | 0.0003 | | E200.8 | 07/09/12 22:31 / cp |
| Uranium, Activity | 5.5E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 07/09/12 22:31 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 07/10/12 22:07 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 07/10/12 22:07 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.9 | pCi/L | U | 0.9 | | E909.0 | 08/15/12 16:09 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 08/15/12 16:09 / eli-cs |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 08/15/12 16:09 / eli-cs |
| Polonium 210 | <0.8 | pCi/L | U | 0.8 | | E912.0 | 07/23/12 08:12 / plj |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 07/23/12 08:12 / plj |
| Polonium 210 MDC | 0.8 | pCi/L | | | | E912.0 | 07/23/12 08:12 / plj |
| Radium 226 | <0.19 | pCi/L | U | 0.19 | | E903.0 | 07/30/12 09:15 / trs |
| Radium 226 precision (±) | 0.12 | pCi/L | | | | E903.0 | 07/30/12 09:15 / trs |
| Radium 226 MDC | 0.19 | pCi/L | | | | E903.0 | 07/30/12 09:15 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 07/24/12 08:52 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 07/24/12 08:52 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 07/24/12 08:52 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 08/07/12 03:11 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 08/07/12 03:11 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 08/07/12 03:11 / eli-cs |
| Polonium 210 | <0.4 | pCi/L | U | 0.4 | | E912.0 | 07/23/12 16:47 / plj |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 07/23/12 16:47 / plj |
| Polonium 210 MDC | 0.4 | pCi/L | | | | E912.0 | 07/23/12 16:47 / plj |
| Radium 226 | <0.06 | pCi/L | U | 0.06 | | E903.0 | 08/06/12 13:57 / trs |
| Radium 226 precision (±) | 0.03 | pCi/L | | | | E903.0 | 08/06/12 13:57 / trs |
| Radium 226 MDC | 0.06 | pCi/L | | | | E903.0 | 08/06/12 13:57 / trs |
| Thorium 230 | 0.06 | pCi/L | | 0.04 | | E908.0 | 07/25/12 11:38 / dmf |
| Thorium 230 precision (±) | 0.03 | pCi/L | | | | E908.0 | 07/25/12 11:38 / dmf |
| Thorium 230 MDC | 0.04 | pCi/L | | | | E908.0 | 07/25/12 11:38 / dmf |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples June 2012
Lab ID: C12070057-002
Client Sample ID: Oetken Pivot

Report Date: 08/21/12
Collection Date: Not Provided
Date Received: 07/03/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0081 | mg/L | | 0.0003 | | E200.8 | 07/09/12 22:31 / cp |
| Uranium, Activity | 5.5E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 07/09/12 22:31 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 07/10/12 22:07 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 07/10/12 22:07 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.9 | pCi/L | U | 0.9 | | E909.0 | 08/15/12 16:09 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 08/15/12 16:09 / eli-cs |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 08/15/12 16:09 / eli-cs |
| Polonium 210 | <0.8 | pCi/L | U | 0.8 | | E912.0 | 07/23/12 08:12 / plj |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 07/23/12 08:12 / plj |
| Polonium 210 MDC | 0.8 | pCi/L | | | | E912.0 | 07/23/12 08:12 / plj |
| Radium 226 | <0.19 | pCi/L | U | 0.19 | | E903.0 | 07/30/12 09:15 / trs |
| Radium 226 precision (±) | 0.12 | pCi/L | | | | E903.0 | 07/30/12 09:15 / trs |
| Radium 226 MDC | 0.19 | pCi/L | | | | E903.0 | 07/30/12 09:15 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 07/24/12 08:52 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 07/24/12 08:52 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 07/24/12 08:52 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 08/07/12 03:11 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 08/07/12 03:11 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 08/07/12 03:11 / eli-cs |
| Polonium 210 | <0.4 | pCi/L | U | 0.4 | | E912.0 | 07/23/12 16:47 / plj |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 07/23/12 16:47 / plj |
| Polonium 210 MDC | 0.4 | pCi/L | | | | E912.0 | 07/23/12 16:47 / plj |
| Radium 226 | <0.06 | pCi/L | U | 0.06 | | E903.0 | 08/06/12 13:57 / trs |
| Radium 226 precision (±) | 0.03 | pCi/L | | | | E903.0 | 08/06/12 13:57 / trs |
| Radium 226 MDC | 0.06 | pCi/L | | | | E903.0 | 08/06/12 13:57 / trs |
| Thorium 230 | 0.06 | pCi/L | | 0.04 | | E908.0 | 07/25/12 11:38 / dmf |
| Thorium 230 precision (±) | 0.03 | pCi/L | | | | E908.0 | 07/25/12 11:38 / dmf |
| Thorium 230 MDC | 0.04 | pCi/L | | | | E908.0 | 07/25/12 11:38 / dmf |

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

MDC - Minimum detectable concentration

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples June 2012
Lab ID: C12070057-001
Client Sample ID: Oetken North

Report Date: 08/21/12
Collection Date: 06/29/12
Date Received: 07/03/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0086 | mg/L | | 0.0003 | | E200.8 | 07/09/12 22:29 / cp |
| Uranium, Activity | 5.8E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 07/09/12 22:29 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 07/10/12 21:55 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 07/10/12 21:55 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.9 | pCi/L | U | 0.9 | | E909.0 | 08/15/12 09:24 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 08/15/12 09:24 / eli-cs |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 08/15/12 09:24 / eli-cs |
| Polonium 210 | <1.0 | pCi/L | U | 1.0 | | E912.0 | 07/17/12 15:10 / plj |
| Polonium 210 precision (±) | 0.7 | pCi/L | | | | E912.0 | 07/17/12 15:10 / plj |
| Polonium 210 MDC | 1.0 | pCi/L | | | | E912.0 | 07/17/12 15:10 / plj |
| Radium 226 | <0.20 | pCi/L | U | 0.20 | | E903.0 | 07/30/12 09:15 / trs |
| Radium 226 precision (±) | 0.11 | pCi/L | | | | E903.0 | 07/30/12 09:15 / trs |
| Radium 226 MDC | 0.20 | pCi/L | | | | E903.0 | 07/30/12 09:15 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 07/24/12 08:52 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 07/24/12 08:52 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 07/24/12 08:52 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 08/07/12 02:24 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 08/07/12 02:24 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 08/07/12 02:24 / eli-cs |
| Polonium 210 | <0.4 | pCi/L | U | 0.4 | | E912.0 | 07/23/12 16:47 / plj |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 07/23/12 16:47 / plj |
| Polonium 210 MDC | 0.4 | pCi/L | | | | E912.0 | 07/23/12 16:47 / plj |
| Radium 226 | <0.06 | pCi/L | U | 0.06 | | E903.0 | 08/06/12 13:57 / trs |
| Radium 226 precision (±) | 0.03 | pCi/L | | | | E903.0 | 08/06/12 13:57 / trs |
| Radium 226 MDC | 0.06 | pCi/L | | | | E903.0 | 08/06/12 13:57 / trs |
| Thorium 230 | 0.05 | pCi/L | | 0.04 | | E908.0 | 07/25/12 11:38 / dmf |
| Thorium 230 precision (±) | 0.03 | pCi/L | | | | E908.0 | 07/25/12 11:38 / dmf |
| Thorium 230 MDC | 0.04 | pCi/L | | | | E908.0 | 07/25/12 11:38 / dmf |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples June 2012
Lab ID: C12070057-001
Client Sample ID: Oetken North

Report Date: 08/21/12
Collection Date: 06/29/12
Date Received: 07/03/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0086 | mg/L | | 0.0003 | | E200.8 | 07/09/12 22:29 / cp |
| Uranium, Activity | 5.8E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 07/09/12 22:29 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 07/10/12 21:55 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 07/10/12 21:55 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.9 | pCi/L | U | 0.9 | | E909.0 | 08/15/12 09:24 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 08/15/12 09:24 / eli-cs |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 08/15/12 09:24 / eli-cs |
| Polonium 210 | <1.0 | pCi/L | U | 1.0 | | E912.0 | 07/17/12 15:10 / plj |
| Polonium 210 precision (±) | 0.7 | pCi/L | | | | E912.0 | 07/17/12 15:10 / plj |
| Polonium 210 MDC | 1.0 | pCi/L | | | | E912.0 | 07/17/12 15:10 / plj |
| Radium 226 | <0.20 | pCi/L | U | 0.20 | | E903.0 | 07/30/12 09:15 / trs |
| Radium 226 precision (±) | 0.11 | pCi/L | | | | E903.0 | 07/30/12 09:15 / trs |
| Radium 226 MDC | 0.20 | pCi/L | | | | E903.0 | 07/30/12 09:15 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 07/24/12 08:52 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 07/24/12 08:52 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 07/24/12 08:52 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 08/07/12 02:24 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 08/07/12 02:24 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 08/07/12 02:24 / eli-cs |
| Polonium 210 | <0.4 | pCi/L | U | 0.4 | | E912.0 | 07/23/12 16:47 / plj |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 07/23/12 16:47 / plj |
| Polonium 210 MDC | 0.4 | pCi/L | | | | E912.0 | 07/23/12 16:47 / plj |
| Radium 226 | <0.06 | pCi/L | U | 0.06 | | E903.0 | 08/06/12 13:57 / trs |
| Radium 226 precision (±) | 0.03 | pCi/L | | | | E903.0 | 08/06/12 13:57 / trs |
| Radium 226 MDC | 0.06 | pCi/L | | | | E903.0 | 08/06/12 13:57 / trs |
| Thorium 230 | 0.05 | pCi/L | | 0.04 | | E908.0 | 07/25/12 11:38 / dmf |
| Thorium 230 precision (±) | 0.03 | pCi/L | | | | E908.0 | 07/25/12 11:38 / dmf |
| Thorium 230 MDC | 0.04 | pCi/L | | | | E908.0 | 07/25/12 11:38 / dmf |

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

MDC - Minimum detectable concentration

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Private Well Samples
Lab ID: C11090996-001
Client Sample ID: Well #741

Report Date: 11/10/11
Collection Date: 09/22/11
Date Received: 09/27/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|------------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 179 | mg/L | | 1 | | A2320 B | 09/27/11 16:48 / jba |
| Carbonate as CO ₃ | ND | mg/L | | 1 | | A2320 B | 09/27/11 16:48 / jba |
| Bicarbonate as HCO ₃ | 218 | mg/L | | 1 | | A2320 B | 09/27/11 16:48 / jba |
| Calcium | 50 | mg/L | | 1 | | E200.7 | 10/26/11 17:07 / cp |
| Chloride | 5 | mg/L | | 1 | | E300.0 | 10/05/11 01:57 / ljl |
| Fluoride | 0.6 | mg/L | | 0.1 | | A4500-F C | 09/28/11 10:12 / jba |
| Magnesium | 8 | mg/L | | 1 | | E200.7 | 10/26/11 17:07 / cp |
| Nitrogen, Ammonia as N | ND | mg/L | | 0.05 | | A4500-NH ₃ G | 10/11/11 15:44 / dc |
| Nitrogen, Nitrate+Nitrite as N | 3.2 | mg/L | D | 0.2 | | E353.2 | 10/20/11 11:38 / ljl |
| Potassium | 5 | mg/L | | 1 | | E200.7 | 10/26/11 17:07 / cp |
| Silica | 66.2 | mg/L | | 0.2 | | E200.7 | 10/26/11 17:07 / cp |
| Sodium | 22 | mg/L | | 1 | | E200.7 | 10/26/11 17:07 / cp |
| Sulfate | 13 | mg/L | | 1 | | E300.0 | 10/05/11 01:57 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 403 | umhos/cm | | 1 | | A2510 B | 09/27/11 15:25 / lmc |
| pH | 7.99 | s.u. | | 0.01 | | A4500-H B | 09/27/11 15:25 / lmc |
| Solids, Total Dissolved TDS @ 180 C | 277 | mg/L | | 10 | | A2540 C | 09/27/11 17:18 / lmc |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.7 | 10/26/11 17:07 / cp |
| Arsenic | 0.006 | mg/L | | 0.001 | | E200.8 | 10/11/11 04:17 / sml |
| Barium | 0.2 | mg/L | | 0.1 | | E200.8 | 10/11/11 04:17 / sml |
| Boron | 0.1 | mg/L | | 0.1 | | E200.7 | 10/26/11 17:07 / cp |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 10/11/11 04:17 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.7 | 10/26/11 17:07 / cp |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 10/11/11 04:17 / sml |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 10/26/11 17:07 / cp |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 10/11/11 04:17 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.7 | 10/31/11 10:52 / cp |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 10/11/11 04:17 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 10/11/11 04:17 / sml |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 10/11/11 04:17 / sml |
| Selenium | 0.002 | mg/L | | 0.001 | | E200.8 | 10/11/11 04:17 / sml |
| Uranium | 0.0091 | mg/L | | 0.0003 | | E200.8 | 10/11/11 04:17 / sml |
| Uranium, Activity | 6.2E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 10/11/11 04:17 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.7 | 10/31/11 10:52 / cp |
| Zinc | 0.03 | mg/L | | 0.01 | | E200.7 | 10/26/11 17:07 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 10/01/11 17:24 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 10/01/11 17:24 / sml |

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Private Well Samples
Lab ID: C11090996-001
Client Sample ID: Well #741

Report Date: 11/10/11
Collection Date: 09/22/11
Date Received: 09/27/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|------------|-----|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 10/19/11 04:40 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 10/19/11 04:40 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 10/19/11 04:40 / eli-cs |
| Polonium 210 | 0.6 | pCi/L | | 0.5 | | E912.0 | 10/27/11 13:23 / ep |
| Polonium 210 precision (±) | 0.5 | pCi/L | | | | E912.0 | 10/27/11 13:23 / ep |
| Polonium 210 MDC | 0.5 | pCi/L | | | | E912.0 | 10/27/11 13:23 / ep |
| Radium 226 | 2.4 | pCi/L | | 0.2 | | E903.0 | 10/17/11 12:13 / js |
| Radium 226 precision (±) | 0.3 | pCi/L | | | | E903.0 | 10/17/11 12:13 / js |
| Radium 226 MDC | 0.2 | pCi/L | | | | E903.0 | 10/17/11 12:13 / js |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 11/04/11 08:39 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 11/04/11 08:39 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 11/04/11 08:39 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.6 | pCi/L | U | 0.6 | | E909.0 | 10/10/11 09:53 / eli-cs |
| Lead 210 precision (±) | 0.3 | pCi/L | | | | E909.0 | 10/10/11 09:53 / eli-cs |
| Lead 210 MDC | 0.6 | pCi/L | | | | E909.0 | 10/10/11 09:53 / eli-cs |
| Polonium 210 | <0.2 | pCi/L | U | 0.2 | | E912.0 | 10/28/11 13:25 / ep |
| Polonium 210 precision (±) | 0.08 | pCi/L | | | | E912.0 | 10/28/11 13:25 / ep |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 10/28/11 13:25 / ep |
| Radium 226 | <0.1 | pCi/L | U | 0.1 | | E903.0 | 10/11/11 17:37 / js |
| Radium 226 precision (±) | 0.03 | pCi/L | | | | E903.0 | 10/11/11 17:37 / js |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 10/11/11 17:37 / js |
| Thorium 230 | 0.2 | pCi/L | | 0.1 | | E908.0 | 10/22/11 15:09 / dmf |
| Thorium 230 precision (±) | 0.1 | pCi/L | | | | E908.0 | 10/22/11 15:09 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 10/22/11 15:09 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 0.0941 | % | | | | Calculation | 11/02/11 12:37 / kbh |
| Anions | 4.24 | meq/L | | | | Calculation | 11/02/11 12:37 / kbh |
| Cations | 4.25 | meq/L | | | | Calculation | 11/02/11 12:37 / kbh |
| Solids, Total Dissolved Calculated | 308 | mg/L | | | | Calculation | 11/02/11 12:37 / kbh |
| TDS Balance (0.80 - 1.20) | 0.900 | | | | | Calculation | 11/02/11 12:37 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 10/24/2012
Report ID: S1209356001

ProjectName: Marshland Private Wells 3rd Qtr 2012 *Marshland*
Lab ID: S1209356-012
ClientSample ID: Well 743
COC:

WorkOrder: S1209356
CollectionDate: 9/17/2012
DateReceived: 9/20/2012 10:30:00 AM
FieldSampler:
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Uranium | 0.0057 | mg/L | | 0.0003 | EPA 200.8 | 09/21/2012 110 | MS |
| Uranium Activity | 3.9 | pCi/L | | 0.2 | Calculation | 10/04/2012 1635 | WN |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 09/28/2012 1529 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 10/04/2012 1635 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 10/10/2012 1633 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/10/2012 1633 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/10/2012 1206 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/10/2012 1206 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/11/2012 1557 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/11/2012 1557 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 10/12/2012 814 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 10/12/2012 814 | MB |
| Thorium 229 Tracer (30-120) | 69.3 | % | | 0.2 | ACW10 | 10/12/2012 814 | MB |
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 10/12/2012 1729 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/12/2012 1729 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/12/2012 000 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/12/2012 000 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/11/2012 1418 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/11/2012 1418 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 10/17/2012 844 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 10/17/2012 844 | MB |
| Thorium 229 Tracer (30-120) | 88.0 | % | | 0.2 | ACW10 | 10/17/2012 844 | MB |

These results apply only to the samples tested. -

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported: 10/24/2012
Report ID: S1209356001

ProjectName: Marshland Private Wells 3rd Qtr 2012 *Marshland*
Lab ID: S1209356-013
ClientSample ID: Well 744
COC:

WorkOrder: S1209356
CollectionDate: 9/17/2012
DateReceived: 9/20/2012 10:30:00 AM
FieldSampler:
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Uranium | 0.0038 | mg/L | | 0.0003 | EPA 200.8 | 09/21/2012 130 | MS |
| Uranium Activity | 2.6 | pCi/L | | 0.2 | Calculation | 10/04/2012 1635 | WN |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 09/28/2012 1533 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 10/04/2012 1635 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 10/10/2012 1633 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/10/2012 1633 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/10/2012 1206 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/10/2012 1206 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/12/2012 1334 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/12/2012 1334 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 10/15/2012 918 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 10/15/2012 918 | MB |
| Thorium 229 Tracer (30-120) | 85.5 | % | | 0.2 | ACW10 | 10/15/2012 918 | MB |
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 10/12/2012 1729 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/12/2012 1729 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/12/2012 000 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/12/2012 000 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/11/2012 1418 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/11/2012 1418 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 10/17/2012 844 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 10/17/2012 844 | MB |
| Thorium 229 Tracer (30-120) | 88.4 | % | | 0.2 | ACW10 | 10/17/2012 844 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Private Well Samples
Lab ID: C11090996-005
Client Sample ID: Well #745

Report Date: 11/10/11
Collection Date: 09/22/11
Date Received: 09/27/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|--|--------|-------|------------|------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 172 | mg/L | | 1 | | A2320 B | 09/27/11 17:28 / jba |
| Carbonate as CO ₃ | ND | mg/L | | 1 | | A2320 B | 09/27/11 17:28 / jba |
| Bicarbonate as HCO ₃ | 209 | mg/L | | 1 | | A2320 B | 09/27/11 17:28 / jba |
| Calcium | 64 | mg/L | | 1 | | E200.7 | 10/26/11 17:35 / cp |
| Chloride | 3 | mg/L | | 1 | | E300.0 | 10/05/11 03:58 / ljl |
| Fluoride | 0.4 | mg/L | | 0.1 | | A4500-F C | 09/28/11 10:37 / jba |
| Magnesium | 11 | mg/L | | 1 | | E200.7 | 10/26/11 17:35 / cp |
| Nitrogen, Ammonia as N | ND | mg/L | | 0.05 | | A4500-NH ₃ G | 10/11/11 16:02 / dc |
| Nitrogen, Nitrate+Nitrite as N | 6.5 | mg/L | DH | 0.5 | | E353.2 | 10/21/11 10:39 / dc |
| Potassium | 2 | mg/L | | 1 | | E200.7 | 10/26/11 17:35 / cp |
| Silica | 70.9 | mg/L | | 0.2 | | E200.7 | 10/26/11 17:35 / cp |
| Sodium | 8 | mg/L | | 1 | | E200.7 | 10/26/11 17:35 / cp |
| Sulfate | 16 | mg/L | | 1 | | E300.0 | 10/05/11 03:58 / ljl |

- H-Original analysis was done within hold time. Data is from recheck analysis.

PHYSICAL PROPERTIES

| | | | | | | | |
|-------------------------------------|------|----------|--|------|--|-----------|----------------------|
| Conductivity @ 25 C | 419 | umhos/cm | | 1 | | A2510 B | 09/27/11 15:36 / lmc |
| pH | 7.94 | s.u. | | 0.01 | | A4500-H B | 09/27/11 15:36 / lmc |
| Solids, Total Dissolved TDS @ 180 C | 315 | mg/L | | 10 | | A2540 C | 09/27/11 17:19 / lmc |

METALS - DISSOLVED

| | | | | | | | |
|-------------------|---------|--------|--|---------|--|--------|----------------------|
| Aluminum | ND | mg/L | | 0.1 | | E200.7 | 10/26/11 17:35 / cp |
| Arsenic | 0.003 | mg/L | | 0.001 | | E200.8 | 10/11/11 05:04 / sml |
| Barium | ND | mg/L | | 0.1 | | E200.8 | 10/11/11 05:04 / sml |
| Boron | ND | mg/L | | 0.1 | | E200.7 | 10/26/11 17:35 / cp |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 10/11/11 05:04 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.7 | 10/26/11 17:35 / cp |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 10/11/11 05:04 / sml |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 10/26/11 17:35 / cp |
| Lead | 0.001 | mg/L | | 0.001 | | E200.8 | 10/11/11 05:04 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.7 | 10/31/11 11:20 / cp |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 10/11/11 05:04 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 10/11/11 05:04 / sml |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 10/11/11 05:04 / sml |
| Selenium | 0.002 | mg/L | | 0.001 | | E200.8 | 10/11/11 05:04 / sml |
| Uranium | 0.0349 | mg/L | | 0.0003 | | E200.8 | 10/11/11 05:04 / sml |
| Uranium, Activity | 2.4E-08 | uCi/mL | | 2.0E-10 | | E200.8 | 10/11/11 05:04 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.7 | 10/31/11 11:20 / cp |
| Zinc | 0.51 | mg/L | | 0.01 | | E200.7 | 10/26/11 17:35 / cp |

METALS - SUSPENDED

| | | | | | | | |
|-------------------|---------|--------|--|---------|--|--------|----------------------|
| Uranium | 0.0003 | mg/L | | 0.0003 | | E200.8 | 10/01/11 17:28 / sml |
| Uranium, Activity | 2.1E-10 | uCi/mL | | 2.0E-10 | | E200.8 | 10/01/11 17:28 / sml |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
H - Analysis performed past recommended holding time.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Private Well Samples
Lab ID: C11090996-005
Client Sample ID: Well #745

Report Date: 11/10/11
Collection Date: 09/22/11
Date Received: 09/27/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|------------|-----|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 10/19/11 18:00 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 10/19/11 18:00 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 10/19/11 18:00 / eli-cs |
| Polonium 210 | 0.5 | pCi/L | | 0.4 | | E912.0 | 10/28/11 09:11 / ep |
| Polonium 210 precision (±) | 0.4 | pCi/L | | | | E912.0 | 10/28/11 09:11 / ep |
| Polonium 210 MDC | 0.4 | pCi/L | | | | E912.0 | 10/28/11 09:11 / ep |
| Radium 226 | 0.4 | pCi/L | | 0.2 | | E903.0 | 10/17/11 12:13 / js |
| Radium 226 precision (±) | 0.1 | pCi/L | | | | E903.0 | 10/17/11 12:13 / js |
| Radium 226 MDC | 0.2 | pCi/L | | | | E903.0 | 10/17/11 12:13 / js |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 11/04/11 08:39 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 11/04/11 08:39 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 11/04/11 08:39 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.6 | pCi/L | U | 0.6 | | E909.0 | 10/10/11 18:52 / eli-cs |
| Lead 210 precision (±) | 0.3 | pCi/L | | | | E909.0 | 10/10/11 18:52 / eli-cs |
| Lead 210 MDC | 0.6 | pCi/L | | | | E909.0 | 10/10/11 18:52 / eli-cs |
| Polonium 210 | 0.3 | pCi/L | | 0.1 | | E912.0 | 10/28/11 13:25 / ep |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 10/28/11 13:25 / ep |
| Polonium 210 MDC | 0.1 | pCi/L | | | | E912.0 | 10/28/11 13:25 / ep |
| Radium 226 | 0.2 | pCi/L | | 0.1 | | E903.0 | 10/11/11 17:37 / js |
| Radium 226 precision (±) | 0.08 | pCi/L | | | | E903.0 | 10/11/11 17:37 / js |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 10/11/11 17:37 / js |
| Thorium 230 | 0.2 | pCi/L | | 0.2 | | E908.0 | 10/22/11 15:09 / dmf |
| Thorium 230 precision (±) | 0.1 | pCi/L | | | | E908.0 | 10/22/11 15:09 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 10/22/11 15:09 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 2.15 | % | | | | Calculation | 11/02/11 12:39 / kbh |
| Anions | 4.35 | meq/L | | | | Calculation | 11/02/11 12:39 / kbh |
| Cations | 4.54 | meq/L | | | | Calculation | 11/02/11 12:39 / kbh |
| Solids, Total Dissolved Calculated | 327 | mg/L | | | | Calculation | 11/02/11 12:39 / kbh |
| TDS Balance (0.80 - 1.20) | 0.960 | | | | | Calculation | 11/02/11 12:39 / kbh |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



Inter-Mountain Labs

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported: 10/24/2012
Report ID: S1209356001

ProjectName: Marshland Private Wells 3rd Qtr 2012 *Marshland*
Lab ID: S1209356-014
ClientSample ID: Well 745
COC:

WorkOrder: S1209356
CollectionDate: 9/17/2012
DateReceived: 9/20/2012 10:30:00 AM
FieldSampler:
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Uranium | 0.0268 | mg/L | | 0.0003 | EPA 200.8 | 09/21/2012 135 | MS |
| Uranium Activity | 18.1 | pCi/L | | 0.2 | Calculation | 10/04/2012 1635 | WN |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 09/28/2012 1537 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 10/04/2012 1635 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | 2.8 | pCi/L | | 1 | OTW01 | 10/10/2012 1633 | SH |
| Lead 210 Precision (±) | 0.7 | pCi/L | | | OTW01 | 10/10/2012 1633 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/10/2012 1206 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/10/2012 1206 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/12/2012 1334 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/12/2012 1334 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 10/15/2012 918 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 10/15/2012 918 | MB |
| Thorium 229 Tracer (30-120) | 95.1 | % | | 0.2 | ACW10 | 10/15/2012 918 | MB |
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 10/12/2012 1729 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/12/2012 1729 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/12/2012 000 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/12/2012 000 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/11/2012 1418 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/11/2012 1418 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 10/17/2012 844 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 10/17/2012 844 | MB |
| Thorium 229 Tracer (30-120) | 77.9 | % | | 0.2 | ACW10 | 10/17/2012 844 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager

Page 14 of 16



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported: 10/24/2012
Report ID: S1209356001

ProjectName: Marsland Private Wells 3rd Qtr 2012 *Marsland*
Lab ID: S1209356-007
ClientSample ID: Well 747
COC:

WorkOrder: S1209356
CollectionDate: 9/17/2012
DateReceived: 9/20/2012 10:30:00 AM
FieldSampler:
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Uranium | 0.0078 | mg/L | | 0.0003 | EPA 200.8 | 09/21/2012 036 | MS |
| Uranium Activity | 5.3 | pCi/L | | 0.2 | Calculation | 10/04/2012 1635 | WN |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 09/28/2012 1449 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 10/04/2012 1635 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | 1.6 | pCi/L | | 1 | OTW01 | 10/10/2012 1633 | SH |
| Lead 210 Precision (±) | 0.4 | pCi/L | | | OTW01 | 10/10/2012 1633 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/10/2012 1206 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/10/2012 1206 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/11/2012 1557 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/11/2012 1557 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 10/12/2012 814 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 10/12/2012 814 | MB |
| Thorium 229 Tracer (30-120) | 72.5 | % | | 0.2 | ACW10 | 10/12/2012 814 | MB |
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 10/11/2012 000 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/11/2012 000 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/11/2012 1727 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/11/2012 1727 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/11/2012 1159 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/11/2012 1159 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 10/16/2012 1046 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 10/16/2012 1046 | MB |
| Thorium 229 Tracer (30-120) | 87.6 | % | | 0.2 | ACW10 | 10/16/2012 1046 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager



Inter-Mountain Labs

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 10/24/2012
Report ID: S1209356001

ProjectName: Marshland Private Wells 3rd Qtr 2012 *marshland*
Lab ID: S1209356-008
ClientSample ID: Well 748
COC:

WorkOrder: S1209356
CollectionDate: 9/17/2012
DateReceived: 9/20/2012 10:30:00 AM
FieldSampler:
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Uranium | 0.0051 | mg/L | | 0.0003 | EPA 200.8 | 09/21/2012 041 | MS |
| Uranium Activity | 3.5 | pCi/L | | 0.2 | Calculation | 10/04/2012 1635 | WN |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 09/28/2012 1501 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 10/04/2012 1635 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | 1.3 | pCi/L | | 1 | OTW01 | 10/10/2012 1633 | SH |
| Lead 210 Precision (±) | 0.4 | pCi/L | | | OTW01 | 10/10/2012 1633 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/10/2012 1206 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/10/2012 1206 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/11/2012 1557 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/11/2012 1557 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 10/12/2012 814 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 10/12/2012 814 | MB |
| Thorium 229 Tracer (30-120) | 78.0 | % | | 0.2 | ACW10 | 10/12/2012 814 | MB |
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 10/12/2012 1729 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/12/2012 1729 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/12/2012 000 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/12/2012 000 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/11/2012 1159 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/11/2012 1159 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 10/17/2012 844 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 10/17/2012 844 | MB |
| Thorium 229 Tracer (30-120) | 86.9 | % | | 0.2 | ACW10 | 10/17/2012 844 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- A Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported: 10/24/2012
Report ID: S1209356001

ProjectName: Marsland Private Wells 3rd Qtr 2012 *Marsland*
Lab ID: S1209356-009
ClientSample ID: Well 750
COC:

WorkOrder: S1209356
CollectionDate: 9/17/2012
DateReceived: 9/20/2012 10:30:00 AM
FieldSampler:
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Uranium | 0.0059 | mg/L | | 0.0003 | EPA 200.8 | 09/21/2012 046 | MS |
| Uranium Activity | 4.0 | pCi/L | | 0.2 | Calculation | 10/04/2012 1635 | WN |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 09/28/2012 1505 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 10/04/2012 1635 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | 2.1 | pCi/L | | 1 | OTW01 | 10/10/2012 1633 | SH |
| Lead 210 Precision (±) | 0.7 | pCi/L | | | OTW01 | 10/10/2012 1633 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/10/2012 1206 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/10/2012 1206 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/11/2012 1557 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/11/2012 1557 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 10/12/2012 814 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 10/12/2012 814 | MB |
| Thorium 229 Tracer (30-120) | 74.5 | % | | 0.2 | ACW10 | 10/12/2012 814 | MB |
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 10/12/2012 1729 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/12/2012 1729 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/12/2012 000 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/12/2012 000 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/11/2012 1159 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/11/2012 1159 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 10/17/2012 844 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 10/17/2012 844 | MB |
| Thorium 229 Tracer (30-120) | 91.9 | % | | 0.2 | ACW10 | 10/17/2012 844 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds Maximum Contaminant Level | B Analyte detected in the associated Method Blank |
| | C Calculated Value | E Value above quantitation range |
| | H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| | L Analyzed by a contract laboratory | M Value exceeds Monthly Ave or MCL |
| | ND Not Detected at the Reporting Limit | O Outside the Range of Dilutions |
| | S Spike Recovery outside accepted recovery limits | |

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Private Well Samples
Lab ID: C11090996-002
Client Sample ID: Well #759

Report Date: 11/10/11
Collection Date: 09/22/11
Date Received: 09/27/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|------------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 144 | mg/L | | 1 | | A2320 B | 09/27/11 17:04 / jba |
| Carbonate as CO ₃ | ND | mg/L | | 1 | | A2320 B | 09/27/11 17:04 / jba |
| Bicarbonate as HCO ₃ | 175 | mg/L | | 1 | | A2320 B | 09/27/11 17:04 / jba |
| Calcium | 31 | mg/L | | 1 | | E200.7 | 10/26/11 17:19 / cp |
| Chloride | 2 | mg/L | | 1 | | E300.0 | 10/05/11 02:50 / ljl |
| Fluoride | 0.6 | mg/L | | 0.1 | | A4500-F C | 09/28/11 10:25 / jba |
| Magnesium | 6 | mg/L | | 1 | | E200.7 | 10/26/11 17:19 / cp |
| Nitrogen, Ammonia as N | ND | mg/L | | 0.05 | | A4500-NH ₃ G | 10/11/11 15:46 / dc |
| Nitrogen, Nitrate+Nitrite as N | 0.8 | mg/L | | 0.1 | | E353.2 | 10/20/11 11:41 / ljl |
| Potassium | 5 | mg/L | | 1 | | E200.7 | 10/26/11 17:19 / cp |
| Silica | 75.3 | mg/L | | 0.2 | | E200.7 | 10/26/11 17:19 / cp |
| Sodium | 23 | mg/L | | 1 | | E200.7 | 10/26/11 17:19 / cp |
| Sulfate | 8 | mg/L | | 1 | | E300.0 | 10/05/11 02:50 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 299 | umhos/cm | | 1 | | A2510 B | 09/27/11 15:27 / lmc |
| pH | 8.05 | s.u. | | 0.01 | | A4500-H B | 09/27/11 15:27 / lmc |
| Solids, Total Dissolved TDS @ 180 C | 217 | mg/L | | 10 | | A2540 C | 09/27/11 17:18 / lmc |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.7 | 10/26/11 17:19 / cp |
| Arsenic | 0.004 | mg/L | | 0.001 | | E200.8 | 10/11/11 04:24 / sml |
| Barium | 0.2 | mg/L | | 0.1 | | E200.8 | 10/11/11 04:24 / sml |
| Boron | 0.1 | mg/L | | 0.1 | | E200.7 | 10/26/11 17:19 / cp |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 10/11/11 04:24 / sml |
| Chromium | ND | mg/L | | 0.05 | | E200.7 | 10/26/11 17:19 / cp |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 10/11/11 04:24 / sml |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 10/26/11 17:19 / cp |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 10/11/11 04:24 / sml |
| Manganese | ND | mg/L | | 0.01 | | E200.7 | 10/31/11 11:04 / cp |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 10/11/11 04:24 / sml |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 10/11/11 04:24 / sml |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 10/11/11 04:24 / sml |
| Selenium | 0.001 | mg/L | | 0.001 | | E200.8 | 10/11/11 04:24 / sml |
| Uranium | 0.0075 | mg/L | | 0.0003 | | E200.8 | 10/11/11 04:24 / sml |
| Uranium, Activity | 5.1E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 10/11/11 04:24 / sml |
| Vanadium | ND | mg/L | | 0.1 | | E200.7 | 10/31/11 11:04 / cp |
| Zinc | 0.04 | mg/L | | 0.01 | | E200.7 | 10/26/11 17:19 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 10/01/11 17:25 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 10/01/11 17:25 / sml |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Baseline Private Well Samples
Lab ID: C11090996-002
Client Sample ID: Well #759

Report Date: 11/10/11
Collection Date: 09/22/11
Date Received: 09/27/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|------------|-----|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 10/19/11 08:00 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 10/19/11 08:00 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 10/19/11 08:00 / eli-cs |
| Polonium 210 | <0.5 | pCi/L | U | 0.5 | | E912.0 | 10/27/11 13:23 / ep |
| Polonium 210 precision (±) | 0.4 | pCi/L | | | | E912.0 | 10/27/11 13:23 / ep |
| Polonium 210 MDC | 0.5 | pCi/L | | | | E912.0 | 10/27/11 13:23 / ep |
| Radium 226 | 0.7 | pCi/L | | 0.2 | | E903.0 | 10/17/11 12:13 / js |
| Radium 226 precision (±) | 0.2 | pCi/L | | | | E903.0 | 10/17/11 12:13 / js |
| Radium 226 MDC | 0.2 | pCi/L | | | | E903.0 | 10/17/11 12:13 / js |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 11/04/11 08:39 / dmf |
| Thorium 230 precision (±) | 0.08 | pCi/L | | | | E908.0 | 11/04/11 08:39 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 11/04/11 08:39 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.6 | pCi/L | U | 0.6 | | E909.0 | 10/10/11 12:08 / eli-cs |
| Lead 210 precision (±) | 0.3 | pCi/L | | | | E909.0 | 10/10/11 12:08 / eli-cs |
| Lead 210 MDC | 0.6 | pCi/L | | | | E909.0 | 10/10/11 12:08 / eli-cs |
| Polonium 210 | <0.2 | pCi/L | U | 0.2 | | E912.0 | 10/28/11 13:25 / ep |
| Polonium 210 precision (±) | 0.1 | pCi/L | | | | E912.0 | 10/28/11 13:25 / ep |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 10/28/11 13:25 / ep |
| Radium 226 | <0.1 | pCi/L | U | 0.1 | | E903.0 | 10/11/11 17:37 / js |
| Radium 226 precision (±) | 0.04 | pCi/L | | | | E903.0 | 10/11/11 17:37 / js |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 10/11/11 17:37 / js |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 10/22/11 15:09 / dmf |
| Thorium 230 precision (±) | 0.1 | pCi/L | | | | E908.0 | 10/22/11 15:09 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 10/22/11 15:09 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 0.123 | % | | | | Calculation | 11/02/11 12:38 / kbh |
| Anions | 3.17 | meq/L | | | | Calculation | 11/02/11 12:38 / kbh |
| Cations | 3.18 | meq/L | | | | Calculation | 11/02/11 12:38 / kbh |
| Solids, Total Dissolved Calculated | 260 | mg/L | | | | Calculation | 11/02/11 12:38 / kbh |
| TDS Balance (0.80 - 1.20) | 0.830 | | | | | Calculation | 11/02/11 12:38 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 10/24/2012
Report ID: S1209356001

ProjectName: Marshland Private Wells 3rd Qtr 2012 *marshland*
Lab ID: S1209356-011
ClientSample ID: Well 836
COC:

WorkOrder: S1209356
CollectionDate: 9/17/2012
DateReceived: 9/20/2012 10:30:00 AM
FieldSampler:
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|
| Metals - Dissolved | | | | | | |
| Uranium | 0.0068 | mg/L | | 0.0003 | EPA 200.8 | 09/21/2012 056 MS |
| Uranium Activity | 4.6 | pCi/L | | 0.2 | Calculation | 10/04/2012 1635 WN |
| Metals - Suspended | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 09/28/2012 1513 MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 10/04/2012 1635 WN |
| Radionuclides - Dissolved | | | | | | |
| Lead 210 | 1.2 | pCi/L | | 1 | OTW01 | 10/10/2012 1633 SH |
| Lead 210 Precision (±) | 0.5 | pCi/L | | | OTW01 | 10/10/2012 1633 SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/10/2012 1206 SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/10/2012 1206 SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/11/2012 1557 SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/11/2012 1557 SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 10/12/2012 814 MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 10/12/2012 814 MB |
| Thorium 229 Tracer (30-120) | 77.3 | % | | 0.2 | ACW10 | 10/12/2012 814 MB |
| Radionuclides - Suspended | | | | | | |
| Lead 210 | 1.4 | pCi/L | | 1 | OTW01 | 10/12/2012 1729 SH |
| Lead 210 Precision (±) | 0.5 | pCi/L | | | OTW01 | 10/12/2012 1729 SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/12/2012 000 SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/12/2012 000 SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/11/2012 1159 SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/11/2012 1159 SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 10/17/2012 844 MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 10/17/2012 844 MB |
| Thorium 229 Tracer (30-120) | 79.7 | % | | 0.2 | ACW10 | 10/17/2012 844 MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 10/24/2012
Report ID: S1209356001

ProjectName: Marsland Private Wells 3rd Qtr 2012 *Marsland*
Lab ID: S1209356-010
ClientSample ID: Well 841
COC:

WorkOrder: S1209356
CollectionDate: 9/17/2012
DateReceived: 9/20/2012 10:30:00 AM
FieldSampler:
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Uranium | 0.0053 | mg/L | | 0.0003 | EPA 200.8 | 09/21/2012 051 | MS |
| Uranium Activity | 3.6 | pCi/L | | 0.2 | Calculation | 10/04/2012 1635 | WN |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 09/28/2012 1509 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 10/04/2012 1635 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | 1.6 | pCi/L | | 1 | OTW01 | 10/10/2012 1633 | SH |
| Lead 210 Precision (±) | 0.6 | pCi/L | | | OTW01 | 10/10/2012 1633 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/10/2012 1206 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/10/2012 1206 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/11/2012 1557 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/11/2012 1557 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 10/12/2012 814 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 10/12/2012 814 | MB |
| Thorium 229 Tracer (30-120) | 90.0 | % | | 0.2 | ACW10 | 10/12/2012 814 | MB |
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 10/12/2012 1729 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/12/2012 1729 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/12/2012 000 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/12/2012 000 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/11/2012 1159 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/11/2012 1159 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 10/17/2012 844 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 10/17/2012 844 | MB |
| Thorium 229 Tracer (30-120) | 93.1 | % | | 0.2 | ACW10 | 10/17/2012 844 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported: 3/26/2012
Report ID: S1202246001

ProjectName: Marsland Chadron Well Sampling
Lab ID: S1202246-011
ClientSample ID: CP10-2010-1 CPW2010-1
COC: 143865

WorkOrder: S1202246
CollectionDate: 2/13/2012 9:15:00 AM
DateReceived: 2/16/2012 10:36:00 AM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|---|--------|----------|------|------|-------------|---------------------|
| Anions/Cations | | | | | | |
| Alkalinity, Total (As CaCO ₃) | 281 | mg/L | | 5 | SM 2320B | 02/20/2012 2047 MZ |
| Alkalinity, Bicarbonate as HCO ₃ | 286 | mg/L | | 5 | SM 2320B | 02/20/2012 2047 MZ |
| Alkalinity, Carbonate as CO ₃ | 28 | mg/L | | 5 | SM 2320B | 02/20/2012 2047 MZ |
| Chloride | 563 | mg/L | | 1 | EPA 300.0 | 02/29/2012 2208 AMB |
| Fluoride | 0.8 | mg/L | | 0.1 | SM 4500FC | 02/20/2012 2047 MZ |
| Nitrogen, Nitrate-Nitrite (as N) | ND | mg/L | | 0.1 | EPA 353.2 | 02/17/2012 1329 MB |
| Sulfate | 76 | mg/L | | 1 | EPA 300.0 | 02/29/2012 2208 AMB |
| Calcium | 10 | mg/L | | 1 | EPA 200.7 | 03/01/2012 1827 DG |
| Magnesium | ND | mg/L | | 1 | EPA 200.7 | 03/01/2012 1827 DG |
| Potassium | 40 | mg/L | | 1 | EPA 200.7 | 03/01/2012 1827 DG |
| Sodium | 488 | mg/L | | 1 | EPA 200.7 | 03/01/2012 1827 DG |
| Nitrogen, Ammonia (As N) | 0.5 | mg/L | | 0.1 | EPA 350.1 | 02/27/2012 1034 MEL |
| Silica as SiO ₂ | 17 | mg/L | | 1 | EPA 200.7 | 02/17/2012 1352 DG |
| General Parameters | | | | | | |
| pH | 9.0 | s.u. | | 0.1 | SM 4500 H B | 02/20/2012 2047 MZ |
| Electrical Conductivity | 2360 | µmhos/cm | | 1 | SM 2510B | 02/20/2012 2047 MZ |
| Total Dissolved Solids (180) | 1260 | mg/L | | 10 | SM 2540 | 02/17/2012 1400 ARF |
| Data Quality | | | | | | |
| Cation Sum | 22.75 | meq/L | | 0.01 | SM 1030E | 03/27/2012 1331 WN |
| Anion Sum | 23.12 | meq/L | | 0.01 | SM 1030E | 03/27/2012 1331 WN |
| Cation-Anion Balance (± 5%) | 0.80 | % | | 0.01 | SM 1030E | 03/27/2012 1331 WN |
| Solids, Total Dissolved (Calc) | 1360 | mg/L | | 10 | SM 1030E | 03/27/2012 1331 WN |
| Calculated TDS/TDS Ratio (0.80-1.20) | 0.93 | dec. % | | 0.01 | Calculation | 03/27/2012 1333 WN |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

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- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 3/26/2012
Report ID: S1202246001

ProjectName: Marsland Chadron Well Sampling
Lab ID: S1202246-011
ClientSample ID: CP10-2010-1
COC: 143865

WorkOrder: S1202246
CollectionDate: 2/13/2012 9:15:00 AM
DateReceived: 2/16/2012 10:36:00 AM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Aluminum | 0.4 | mg/L | | 0.1 | EPA 200.7 | 02/17/2012 1352 | DG |
| Arsenic | ND | mg/L | | 0.001 | EPA 200.8 | 02/16/2012 2106 | MS |
| Barium | 0.1 | mg/L | | 0.1 | EPA 200.8 | 02/16/2012 2106 | MS |
| Boron | 1.2 | mg/L | | 0.1 | EPA 200.7 | 02/17/2012 1352 | DG |
| Cadmium | ND | mg/L | | 0.005 | EPA 200.8 | 02/16/2012 2106 | MS |
| Chromium | ND | mg/L | | 0.05 | EPA 200.7 | 02/17/2012 1352 | DG |
| Copper | ND | mg/L | | 0.1 | EPA 200.8 | 02/16/2012 2106 | MS |
| Iron | ND | mg/L | | 0.05 | EPA 200.7 | 02/17/2012 1352 | DG |
| Lead | ND | mg/L | | 0.05 | EPA 200.8 | 02/16/2012 2106 | MS |
| Manganese | ND | mg/L | | 0.01 | EPA 200.7 | 02/17/2012 1352 | DG |
| Mercury | ND | mg/L | | 0.001 | EPA 245.1 | 02/21/2012 1017 | BK |
| Molybdenum | ND | mg/L | | 0.1 | EPA 200.8 | 02/16/2012 2106 | MS |
| Nickel | ND | mg/L | | 0.05 | EPA 200.7 | 02/17/2012 1352 | DG |
| Selenium | 0.067 | mg/L | | 0.001 | EPA 200.8 | 02/16/2012 2106 | MS |
| Uranium | 0.0091 | mg/L | | 0.0003 | EPA 200.8 | 02/16/2012 2106 | MS |
| Uranium Activity | 6.2 | pCi/L | | 0.2 | Calculation | 03/27/2012 1333 | WN |
| Vanadium | 0.05 | mg/L | | 0.02 | EPA 200.8 | 02/16/2012 2106 | MS |
| Zinc | ND | mg/L | | 0.01 | EPA 200.7 | 02/17/2012 1352 | DG |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 03/15/2012 1716 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 03/27/2012 1333 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | 3.6 | pCi/L | | 1 | OTW01 | 03/06/2012 851 | SH |
| Lead 210 Precision (±) | 0.5 | pCi/L | | | OTW01 | 03/06/2012 851 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 03/01/2012 1433 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 03/01/2012 1433 | SH |
| Radium 226 | 27.5 | pCi/L | | 0.2 | SM 7500-Ra B | 02/29/2012 1518 | SH |
| Radium 226 Precision (±) | 0.6 | pCi/L | | | SM 7500-Ra B | 02/29/2012 1518 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 02/29/2012 815 | WL |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 02/29/2012 815 | WL |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

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- C Calculated Value
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- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Inter-Mountain Labs

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported: 3/26/2012
Report ID: S1202246001

ProjectName: Marsland Chadron Well Sampling
Lab ID: S1202246-011
ClientSample ID: CP10-2010-1
COC: 143865

WorkOrder: S1202246
CollectionDate: 2/13/2012 9:15:00 AM
DateReceived: 2/16/2012 10:36:00 AM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|-----|--------------|--------------------|----|
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | 5.6 | pCi/L | | 1 | OTW01 | 03/07/2012 858 | SH |
| Lead 210 Precision (±) | 0.6 | pCi/L | | | OTW01 | 03/07/2012 858 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 03/05/2012 1154 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 03/05/2012 1154 | SH |
| Radium 226 | 1.7 | pCi/L | B | 0.2 | SM 7500-Ra B | 03/02/2012 1012 | SH |
| Radium 226 Precision (±) | 0.2 | pCi/L | B | | SM 7500-Ra B | 03/02/2012 1012 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 03/02/2012 908 | WL |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 03/02/2012 908 | WL |

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RL - Reporting Limit

Qualifiers:

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- J Analyte detected below quantitation limits
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- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager

Page 33 of 33



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported: 10/5/2012
Report ID: S1209161001

ProjectName: Marsland Private Wells 3rd Qtr 2012
Lab ID: S1209161-010
ClientSample ID: Well 703
COC: WEB

WorkOrder: S1209161
CollectionDate: 9/7/2012
DateReceived: 9/11/2012 11:52:00 AM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Uranium | 0.0049 | mg/L | | 0.0003 | EPA 200.8 | 09/12/2012 1516 | MS |
| Uranium Activity | 3.3 | pCi/L | | 0.2 | Calculation | 10/05/2012 1435 | WN |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 09/18/2012 2304 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 10/05/2012 1435 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | 1.9 | pCi/L | | 1 | OTW01 | 09/28/2012 1201 | SH |
| Lead 210 Precision (±) | 0.6 | pCi/L | | | OTW01 | 09/28/2012 1201 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 09/27/2012 1350 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 09/27/2012 1350 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 09/26/2012 1634 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 09/26/2012 1634 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 09/27/2012 904 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 09/27/2012 904 | MB |
| Thorium 229 Tracer (30-120) | 80.9 | % | | 0.2 | ACW10 | 09/27/2012 904 | MB |
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 10/04/2012 1215 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/04/2012 1215 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/03/2012 1303 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/03/2012 1303 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/02/2012 1551 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/02/2012 1551 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 09/25/2012 000 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 09/25/2012 000 | MB |
| Thorium 229 Tracer (30-120) | 70.1 | % | | 0.2 | ACW10 | 09/25/2012 000 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

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- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
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- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
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- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager



Inter-Mountain Labs

Your Environmental Monitoring Partner

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported: 10/5/2012
Report ID: S1209161001

ProjectName: Marsland Private Wells 3rd Qtr 2012
Lab ID: S1209161-011
ClientSample ID: Well 704
COC: WEB

WorkOrder: S1209161
CollectionDate: 9/7/2012
DateReceived: 9/11/2012 11:52:00 AM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Uranium | 0.0052 | mg/L | | 0.0003 | EPA 200.8 | 09/12/2012 1521 | MS |
| Uranium Activity | 3.5 | pCi/L | | 0.2 | Calculation | 10/05/2012 1435 | WN |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 09/18/2012 2309 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 10/05/2012 1435 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | 1.3 | pCi/L | | 1 | OTW01 | 09/28/2012 1201 | SH |
| Lead 210 Precision (±) | 0.5 | pCi/L | | | OTW01 | 09/28/2012 1201 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 09/27/2012 1350 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 09/27/2012 1350 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 09/27/2012 1017 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 09/27/2012 1017 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 09/27/2012 904 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 09/27/2012 904 | MB |
| Thorium 229 Tracer (30-120) | 67.5 | % | | 0.2 | ACW10 | 09/27/2012 904 | MB |
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 10/04/2012 1215 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/04/2012 1215 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/03/2012 1303 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/03/2012 1303 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/02/2012 1551 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/02/2012 1551 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 09/25/2012 000 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 09/25/2012 000 | MB |
| Thorium 229 Tracer (30-120) | 84.1 | % | | 0.2 | ACW10 | 09/25/2012 000 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- A Value exceeds Maximum Contaminant Level
- C Calculated Value
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- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 10/24/2012
Report ID: S1209376001

ProjectName: Marsland Private Wells 3rd Qtr 2012
Lab ID: S1209376-020
ClientSample ID: Well 705
COC:

WorkOrder: S1209376
CollectionDate: 9/19/2012
DateReceived: 9/21/2012 11:15:00 AM
FieldSampler: BB
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|---|--------|----------|------|------|-------------|---------------------|
| Anions/Cations | | | | | | |
| Alkalinity, Total (As CaCO ₃) | 167 | mg/L | | 5 | SM 2320B | 09/23/2012 235 KV |
| Alkalinity, Bicarbonate as HCO ₃ | 199 | mg/L | | 5 | SM 2320B | 09/23/2012 235 KV |
| Alkalinity, Carbonate as CO ₃ | ND | mg/L | | 5 | SM 2320B | 09/23/2012 235 KV |
| Chloride | 3 | mg/L | | 1 | EPA 300.0 | 09/25/2012 121 AM |
| Fluoride | 0.4 | mg/L | | 0.1 | SM 4500FC | 09/23/2012 235 KV |
| Nitrogen, Nitrate+Nitrite (as N) | 1.7 | mg/L | | 0.1 | EPA 353.2 | 09/25/2012 1305 RH |
| Sulfate | 8 | mg/L | | 1 | EPA 300.0 | 09/25/2012 121 AM |
| Calcium | 35 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1817 DG |
| Magnesium | 8 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1817 DG |
| Potassium | 4 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1817 DG |
| Sodium | 21 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1817 DG |
| Nitrogen, Ammonia (As N) | ND | mg/L | | 0.1 | EPA 350.1 | 09/25/2012 1430 RH |
| Silica as SiO ₂ | 60 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1817 DG |
| General Parameters | | | | | | |
| pH | 8.4 | s.u. | | 0.1 | SM 4500 H B | 09/23/2012 235 KV |
| Electrical Conductivity | 315 | µmhos/cm | | 1 | SM 2510B | 09/23/2012 235 KV |
| Total Dissolved Solids (180) | 250 | mg/L | | 10 | SM 2540 | 09/21/2012 1635 JCG |
| Data Quality | | | | | | |
| Cation Sum | 3.44 | meq/L | | 0.01 | SM 1030E | 10/10/2012 1149 LJK |
| Anion Sum | 3.74 | meq/L | | 0.01 | SM 1030E | 10/10/2012 1149 LJK |
| Cation-Anion Balance (± 5%) | 4.13 | % | | 0.01 | SM 1030E | 10/10/2012 1149 LJK |
| Solids, Total Dissolved (Calc) | 250 | mg/L | | 10 | SM 1030E | 10/10/2012 1149 LJK |
| Calculated TDS/TDS Ratio (0.80-1.20) | 1.00 | dec. % | | 0.01 | Calculation | 10/23/2012 1434 WN |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 10/24/2012
Report ID: S1209376001

ProjectName: Marsland Private Wells 3rd Qtr 2012
Lab ID: S1209376-020
ClientSample ID: Well 705
COC:

WorkOrder: S1209376
CollectionDate: 9/19/2012
DateReceived: 9/21/2012 11:15:00 AM
FieldSampler: BB
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | EPA 200.7 | 09/24/2012 1817 | DG |
| Arsenic | 0.001 | mg/L | | 0.001 | EPA 200.8 | 09/21/2012 2152 | MS |
| Barium | 0.1 | mg/L | | 0.1 | EPA 200.8 | 09/21/2012 2152 | MS |
| Boron | ND | mg/L | | 0.1 | EPA 200.7 | 09/24/2012 1817 | DG |
| Cadmium | ND | mg/L | | 0.005 | EPA 200.8 | 09/21/2012 2152 | MS |
| Chromium | ND | mg/L | | 0.05 | EPA 200.7 | 09/24/2012 1817 | DG |
| Copper | ND | mg/L | | 0.1 | EPA 200.8 | 09/21/2012 2152 | MS |
| Iron | 0.06 | mg/L | | 0.05 | EPA 200.7 | 09/24/2012 1817 | DG |
| Lead | ND | mg/L | | 0.05 | EPA 200.8 | 09/21/2012 2152 | MS |
| Manganese | 0.02 | mg/L | | 0.01 | EPA 200.7 | 09/24/2012 1817 | DG |
| Mercury | ND | mg/L | | 0.001 | EPA 245.1 | 09/25/2012 1228 | CS |
| Molybdenum | ND | mg/L | | 0.1 | EPA 200.8 | 09/21/2012 2152 | MS |
| Nickel | ND | mg/L | | 0.05 | EPA 200.7 | 09/24/2012 1817 | DG |
| Selenium | ND | mg/L | | 0.001 | EPA 200.8 | 09/21/2012 2152 | MS |
| Uranium | 0.0064 | mg/L | | 0.0003 | EPA 200.8 | 09/21/2012 2152 | MS |
| Uranium Activity | 4.3 | pCi/L | | 0.2 | Calculation | 10/23/2012 1434 | WN |
| Vanadium | ND | mg/L | | 0.02 | EPA 200.8 | 09/21/2012 2152 | MS |
| Zinc | 0.05 | mg/L | | 0.01 | EPA 200.7 | 09/24/2012 1817 | DG |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 09/29/2012 013 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 10/23/2012 1434 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 10/15/2012 1702 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/15/2012 1702 | SH |
| Polonium 210 | 1.3 | pCi/L | | 1 | OTW01 | 10/22/2012 1913 | SH |
| Polonium 210 Precision (±) | 0.8 | pCi/L | | | OTW01 | 10/22/2012 1913 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/10/2012 1452 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/10/2012 1452 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 10/09/2012 838 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 10/09/2012 838 | MB |
| Thorium 229 Tracer (30-120) | 78.6 | % | | 0.2 | ACW10 | 10/09/2012 838 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 10/24/2012
Report ID: S1209376001

ProjectName: Marsland Private Wells 3rd Qtr 2012
Lab ID: S1209376-020
ClientSample ID: Well 705
COC:

WorkOrder: S1209376
CollectionDate: 9/19/2012
DateReceived: 9/21/2012 11:15:00 AM
FieldSampler: BB
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|-----|--------------|--------------------|----|
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | 3.8 | pCi/L | B | 1 | OTW01 | 10/19/2012 1805 | SH |
| Lead 210 Precision (±) | 0.6 | pCi/L | B | | OTW01 | 10/19/2012 1805 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/18/2012 1347 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/18/2012 1347 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/12/2012 1806 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/12/2012 1806 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 10/13/2012 1205 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 10/13/2012 1205 | MB |
| Thorium 229 Tracer (30-120) | 84.1 | % | | 0.2 | ACW10 | 10/13/2012 1205 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported: 10/5/2012
Report ID: S1209161001

ProjectName: Marsland Private Wells 3rd Qtr 2012
Lab ID: S1209161-012
ClientSample ID: Well 706
COC: WEB

WorkOrder: S1209161
CollectionDate: 9/7/2012
DateReceived: 9/11/2012 11:52:00 AM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Uranium | 0.0056 | mg/L | | 0.0003 | EPA 200.8 | 09/12/2012 1559 | MS |
| Uranium Activity | 3.8 | pCi/L | | 0.2 | Calculation | 10/05/2012 1435 | WN |
| Metals - Suspended | | | | | | | |
| Uranium | 0.0003 | mg/L | | 0.0003 | EPA 200.8 | 09/18/2012 2328 | MS |
| Uranium Activity | 0.2 | pCi/L | | 0.2 | Calculation | 10/05/2012 1435 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 09/28/2012 1201 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 09/28/2012 1201 | SH |
| Polonium 210 | 1.2 | pCi/L | | 1 | OTW01 | 09/27/2012 1350 | SH |
| Polonium 210 Precision (±) | 0.8 | pCi/L | | | OTW01 | 09/27/2012 1350 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 09/27/2012 1017 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 09/27/2012 1017 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 09/27/2012 904 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 09/27/2012 904 | MB |
| Thorium 229 Tracer (30-120) | 79.9 | % | | 0.2 | ACW10 | 09/27/2012 904 | MB |
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 10/04/2012 1215 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/04/2012 1215 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/03/2012 1303 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/03/2012 1303 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/02/2012 1551 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/02/2012 1551 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 09/25/2012 000 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 09/25/2012 000 | MB |
| Thorium 229 Tracer (30-120) | 87.7 | % | | 0.2 | ACW10 | 09/25/2012 000 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

| | | |
|-------------|--|---|
| Qualifiers: | * Value exceeds Maximum Contaminant Level | B Analyte detected in the associated Method Blank |
| | C Calculated Value | E Value above quantitation range |
| | H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| | L Analyzed by a contract laboratory | M Value exceeds Monthly Ave or MCL |
| | ND Not Detected at the Reporting Limit | O Outside the Range of Dilutions |
| | S Spike Recovery outside accepted recovery limits | |

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 10/5/2012
Report ID: S1209161001

ProjectName: Marsland Private Wells 3rd Qtr 2012
Lab ID: S1209161-013
ClientSample ID: Well 707
COC: WEB

WorkOrder: S1209161
CollectionDate: 9/7/2012
DateReceived: 9/11/2012 11:52:00 AM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Uranium | 0.0050 | mg/L | | 0.0003 | EPA 200.8 | 09/12/2012 1604 | MS |
| Uranium Activity | 3.4 | pCi/L | | 0.2 | Calculation | 10/05/2012 1435 | WN |
| Metals - Suspended | | | | | | | |
| Uranium | 0.0003 | mg/L | | 0.0003 | EPA 200.8 | 09/18/2012 2333 | MS |
| Uranium Activity | 0.2 | pCi/L | | 0.2 | Calculation | 10/05/2012 1435 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | 1.2 | pCi/L | | 1 | OTW01 | 09/28/2012 1201 | SH |
| Lead 210 Precision (±) | 0.5 | pCi/L | | | OTW01 | 09/28/2012 1201 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 09/27/2012 1350 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 09/27/2012 1350 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 09/27/2012 1017 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 09/27/2012 1017 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 09/27/2012 904 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 09/27/2012 904 | MB |
| Thorium 229 Tracer (30-120) | 78.1 | % | | 0.2 | ACW10 | 09/27/2012 904 | MB |
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 10/04/2012 1215 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/04/2012 1215 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/03/2012 1303 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/03/2012 1303 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/03/2012 1339 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/03/2012 1339 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 09/25/2012 000 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 09/25/2012 000 | MB |
| Thorium 229 Tracer (30-120) | 74.4 | % | | 0.2 | ACW10 | 09/25/2012 000 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Inter-Mountain Labs

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported: 10/24/2012
Report ID: S1209376001

ProjectName: Marsland Private Wells 3rd Qtr 2012
Lab ID: S1209376-016
ClientSample ID: Well 714
COC:

WorkOrder: S1209376
CollectionDate: 9/18/2012
DateReceived: 9/21/2012 11:15:00 AM
FieldSampler: BB
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|---|--------|----------|------|------|-------------|---------------------|
| Anions/Cations | | | | | | |
| Alkalinity, Total (As CaCO ₃) | 148 | mg/L | | 5 | SM 2320B | 10/02/2012 1315 KV |
| Alkalinity, Bicarbonate as HCO ₃ | 181 | mg/L | | 5 | SM 2320B | 10/02/2012 1315 KV |
| Alkalinity, Carbonate as CO ₃ | ND | mg/L | | 5 | SM 2320B | 10/02/2012 1315 KV |
| Chloride | 9 | mg/L | | 1 | EPA 300.0 | 10/02/2012 1615 AM |
| Fluoride | 0.4 | mg/L | | 0.1 | SM 4500FC | 09/23/2012 146 KV |
| Nitrogen, Nitrate+Nitrite (as N) | 7.0 | mg/L | | 0.1 | EPA 353.2 | 09/24/2012 1642 RH |
| Sulfate | 9 | mg/L | | 1 | EPA 300.0 | 09/25/2012 031 AM |
| Calcium | 43 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1807 DG |
| Magnesium | 8 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1807 DG |
| Potassium | 4 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1807 DG |
| Sodium | 17 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1807 DG |
| Nitrogen, Ammonia (As N) | ND | mg/L | | 0.1 | EPA 350.1 | 09/25/2012 1426 RH |
| Silica as SiO ₂ | 61 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1807 DG |
| General Parameters | | | | | | |
| pH | 8.4 | s.u. | | 0.1 | SM 4500 H B | 09/23/2012 146 KV |
| Electrical Conductivity | 338 | µmhos/cm | | 1 | SM 2510B | 09/23/2012 146 KV |
| Total Dissolved Solids (180) | 260 | mg/L | | 10 | SM 2540 | 09/21/2012 1630 JCG |
| Data Quality | | | | | | |
| Cation Sum | 3.63 | meq/L | | 0.01 | SM 1030E | 10/10/2012 1149 LJK |
| Anion Sum | 3.90 | meq/L | | 0.01 | SM 1030E | 10/10/2012 1149 LJK |
| Cation-Anion Balance (± 5%) | 3.51 | % | | 0.01 | SM 1030E | 10/10/2012 1149 LJK |
| Solids, Total Dissolved (Calc) | 270 | mg/L | | 10 | SM 1030E | 10/10/2012 1149 LJK |
| Calculated TDS/TDS Ratio (0.80-1.20) | 0.96 | dec. % | | 0.01 | Calculation | 10/23/2012 1434 WN |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager

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Inter-Mountain Labs

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 10/24/2012
Report ID: S1209376001

ProjectName: Marsland Private Wells 3rd Qtr 2012
Lab ID: S1209376-016
ClientSample ID: Well 714
COC:

WorkOrder: S1209376
CollectionDate: 9/18/2012
DateReceived: 9/21/2012 11:15:00 AM
FieldSampler: BB
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | EPA 200.7 | 09/24/2012 1807 | DG |
| Arsenic | 0.003 | mg/L | | 0.001 | EPA 200.8 | 09/21/2012 2132 | MS |
| Barium | 0.1 | mg/L | | 0.1 | EPA 200.8 | 09/21/2012 2132 | MS |
| Boron | ND | mg/L | | 0.1 | EPA 200.7 | 09/24/2012 1807 | DG |
| Cadmium | ND | mg/L | | 0.005 | EPA 200.8 | 09/21/2012 2132 | MS |
| Chromium | ND | mg/L | | 0.05 | EPA 200.7 | 09/24/2012 1807 | DG |
| Copper | ND | mg/L | | 0.1 | EPA 200.8 | 09/21/2012 2132 | MS |
| Iron | ND | mg/L | | 0.05 | EPA 200.7 | 09/24/2012 1807 | DG |
| Lead | ND | mg/L | | 0.05 | EPA 200.8 | 09/21/2012 2132 | MS |
| Manganese | ND | mg/L | | 0.01 | EPA 200.7 | 09/24/2012 1807 | DG |
| Mercury | ND | mg/L | | 0.001 | EPA 245.1 | 09/25/2012 1221 | CS |
| Molybdenum | ND | mg/L | | 0.1 | EPA 200.8 | 09/21/2012 2132 | MS |
| Nickel | ND | mg/L | | 0.05 | EPA 200.7 | 09/24/2012 1807 | DG |
| Selenium | ND | mg/L | | 0.001 | EPA 200.8 | 09/21/2012 2132 | MS |
| Uranium | 0.0055 | mg/L | | 0.0003 | EPA 200.8 | 09/21/2012 2132 | MS |
| Uranium Activity | 3.7 | pCi/L | | 0.2 | Calculation | 10/23/2012 1434 | WN |
| Vanadium | ND | mg/L | | 0.02 | EPA 200.8 | 09/21/2012 2132 | MS |
| Zinc | ND | mg/L | | 0.01 | EPA 200.7 | 09/24/2012 1807 | DG |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 09/28/2012 2343 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 10/23/2012 1434 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | 1.1 | pCi/L | | 1 | OTW01 | 10/15/2012 1702 | SH |
| Lead 210 Precision (±) | 0.5 | pCi/L | | | OTW01 | 10/15/2012 1702 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/22/2012 1913 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/22/2012 1913 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/10/2012 1452 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/10/2012 1452 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 10/09/2012 838 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 10/09/2012 838 | MB |
| Thorium 229 Tracer (30-120) | 77.2 | % | | 0.2 | ACW10 | 10/09/2012 838 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager

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Inter-Mountain Labs

Your Environmental Monitoring Partner

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 10/24/2012
Report ID: S1209376001

ProjectName: Marsland Private Wells 3rd Qtr 2012
Lab ID: S1209376-016
ClientSample ID: Well 714
COC:

WorkOrder: S1209376
CollectionDate: 9/18/2012
DateReceived: 9/21/2012 11:15:00 AM
FieldSampler: BB
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|-----|--------------|--------------------|----|
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | 1.4 | pCi/L | B | 1 | OTW01 | 10/19/2012 1805 | SH |
| Lead 210 Precision (±) | 0.4 | pCi/L | B | | OTW01 | 10/19/2012 1805 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/18/2012 1347 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/18/2012 1347 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/12/2012 1806 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/12/2012 1806 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 10/13/2012 1205 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 10/13/2012 1205 | MB |
| Thorium 229 Tracer (30-120) | 72.5 | % | | 0.2 | ACW10 | 10/13/2012 1205 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager

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Inter-Mountain Labs

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 10/24/2012
Report ID: S1209376001

ProjectName: Marsland Private Wells 3rd Qtr 2012
Lab ID: S1209376-006
ClientSample ID: Well 719
COC:

WorkOrder: S1209376
CollectionDate: 9/18/2012
DateReceived: 9/21/2012 11:15:00 AM
FieldSampler: BB
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|---|--------|----------|------|------|-------------|---------------------|
| Anions/Cations | | | | | | |
| Alkalinity, Total (As CaCO ₃) | 157 | mg/L | | 5 | SM 2320B | 09/22/2012 2312 KV |
| Alkalinity, Bicarbonate as HCO ₃ | 188 | mg/L | | 5 | SM 2320B | 09/22/2012 2312 KV |
| Alkalinity, Carbonate as CO ₃ | ND | mg/L | | 5 | SM 2320B | 09/22/2012 2312 KV |
| Chloride | ND | mg/L | | 1 | EPA 300.0 | 09/24/2012 2126 AM |
| Fluoride | 0.4 | mg/L | | 0.1 | SM 4500FC | 09/22/2012 2312 KV |
| Nitrogen, Nitrate+Nitrite (as N) | 1.3 | mg/L | | 0.1 | EPA 353.2 | 09/24/2012 1625 RH |
| Sulfate | 6 | mg/L | | 1 | EPA 300.0 | 10/02/2012 1541 AM |
| Calcium | 32 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1716 DG |
| Magnesium | 8 | mg/L | | 1 | EPA 200.7 | 10/02/2012 1530 DG |
| Potassium | 3 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1716 DG |
| Sodium | 20 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1716 DG |
| Nitrogen, Ammonia (As N) | ND | mg/L | | 0.1 | EPA 350.1 | 09/25/2012 1539 RH |
| Silica as SiO ₂ | 67 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1716 DG |
| General Parameters | | | | | | |
| pH | 8.4 | s.u. | | 0.1 | SM 4500 H B | 09/22/2012 2312 KV |
| Electrical Conductivity | 299 | µmhos/cm | | 1 | SM 2510B | 09/22/2012 2312 KV |
| Total Dissolved Solids (180) | 220 | mg/L | | 10 | SM 2540 | 09/21/2012 1619 JCG |
| Data Quality | | | | | | |
| Cation Sum | 3.24 | meq/L | | 0.01 | SM 1030E | 10/10/2012 1149 LJK |
| Anion Sum | 3.38 | meq/L | | 0.01 | SM 1030E | 10/10/2012 1149 LJK |
| Cation-Anion Balance (± 5%) | 2.10 | % | | 0.01 | SM 1030E | 10/10/2012 1149 LJK |
| Solids, Total Dissolved (Calc) | 240 | mg/L | | 10 | SM 1030E | 10/10/2012 1149 LJK |
| Calculated TDS/TDS Ratio (0.80-1.20) | 0.92 | dec. % | | 0.01 | Calculation | 10/23/2012 1434 WN |

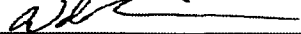
These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: 
Wade Nieuwsma, Assistant Laboratory Manager

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Inter-Mountain Labs

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 10/24/2012
Report ID: S1209376001

ProjectName: Marsland Private Wells 3rd Qtr 2012
Lab ID: S1209376-006
ClientSample ID: Well 719
COC:

WorkOrder: S1209376
CollectionDate: 9/18/2012
DateReceived: 9/21/2012 11:15:00 AM
FieldSampler: BB
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | EPA 200.7 | 09/24/2012 1716 | DG |
| Arsenic | 0.002 | mg/L | | 0.001 | EPA 200.8 | 09/21/2012 2018 | MS |
| Barium | ND | mg/L | | 0.1 | EPA 200.8 | 09/21/2012 2018 | MS |
| Boron | ND | mg/L | | 0.1 | EPA 200.7 | 09/24/2012 1716 | DG |
| Cadmium | ND | mg/L | | 0.005 | EPA 200.8 | 09/21/2012 2018 | MS |
| Chromium | ND | mg/L | | 0.05 | EPA 200.7 | 09/24/2012 1716 | DG |
| Copper | ND | mg/L | | 0.1 | EPA 200.8 | 09/21/2012 2018 | MS |
| Iron | ND | mg/L | | 0.05 | EPA 200.7 | 09/24/2012 1716 | DG |
| Lead | ND | mg/L | | 0.05 | EPA 200.8 | 09/21/2012 2018 | MS |
| Manganese | ND | mg/L | | 0.01 | EPA 200.7 | 09/24/2012 1716 | DG |
| Mercury | ND | mg/L | | 0.001 | EPA 245.1 | 09/25/2012 1153 | CS |
| Molybdenum | ND | mg/L | | 0.1 | EPA 200.8 | 09/21/2012 2018 | MS |
| Nickel | ND | mg/L | | 0.05 | EPA 200.7 | 09/24/2012 1716 | DG |
| Selenium | ND | mg/L | | 0.001 | EPA 200.8 | 09/21/2012 2018 | MS |
| Uranium | 0.0087 | mg/L | | 0.0003 | EPA 200.8 | 09/21/2012 2018 | MS |
| Uranium Activity | 5.9 | pCi/L | | 0.2 | Calculation | 10/23/2012 1434 | WN |
| Vanadium | ND | mg/L | | 0.02 | EPA 200.8 | 09/21/2012 2018 | MS |
| Zinc | 0.01 | mg/L | | 0.01 | EPA 200.7 | 09/24/2012 1716 | DG |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 09/28/2012 2229 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 10/23/2012 1434 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | 1.4 | pCi/L | | 1 | OTW01 | 10/15/2012 1451 | SH |
| Lead 210 Precision (±) | 0.5 | pCi/L | | | OTW01 | 10/15/2012 1451 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/22/2012 1804 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/22/2012 1804 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/12/2012 1334 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/12/2012 1334 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 10/08/2012 928 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 10/08/2012 928 | MB |
| Thorium 229 Tracer (30-120) | 88.9 | % | | 0.2 | ACW10 | 10/08/2012 928 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds Maximum Contaminant Level | B Analyte detected in the associated Method Blank |
| | C Calculated Value | E Value above quantitation range |
| | H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| | L Analyzed by a contract laboratory | M Value exceeds Monthly Ave or MCL |
| | ND Not Detected at the Reporting Limit | O Outside the Range of Dilutions |
| | S Spike Recovery outside accepted recovery limits | |

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Inter-Mountain Labs

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 10/24/2012
Report ID: S1209376001

ProjectName: Marsland Private Wells 3rd Qtr 2012
Lab ID: S1209376-006
ClientSample ID: Well 719
COC:

WorkOrder: S1209376
CollectionDate: 9/18/2012
DateReceived: 9/21/2012 11:15:00 AM
FieldSampler: BB
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|-----|--------------|--------------------|----|
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | 1.3 | pCi/L | B | 1 | OTW01 | 10/19/2012 1302 | SH |
| Lead 210 Precision (±) | 0.5 | pCi/L | B | | OTW01 | 10/19/2012 1302 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/18/2012 1217 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/18/2012 1217 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/12/2012 1557 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/12/2012 1557 | SH |
| Thorium 230 | 0.2 | pCi/L | | 0.2 | ACW10 | 10/13/2012 756 | MB |
| Thorium 230 Precision (±) | 0.1 | pCi/L | | | ACW10 | 10/13/2012 756 | MB |
| Thorium 229 Tracer (30-120) | 69.5 | % | | 0.2 | ACW10 | 10/13/2012 756 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager

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Inter-Mountain Labs

Your Environmental Monitoring Partner

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported: 10/24/2012
Report ID: S1209376001

ProjectName: Marsland Private Wells 3rd Qtr 2012
Lab ID: S1209376-007
ClientSample ID: Well 725
COC:

WorkOrder: S1209376
CollectionDate: 9/18/2012
DateReceived: 9/21/2012 11:15:00 AM
FieldSampler: BB
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|---|--------|----------|------|------|-------------|---------------------|
| Anions/Cations | | | | | | |
| Alkalinity, Total (As CaCO ₃) | 146 | mg/L | | 5 | SM 2320B | 10/02/2012 1259 KV |
| Alkalinity, Bicarbonate as HCO ₃ | 175 | mg/L | | 5 | SM 2320B | 10/02/2012 1259 KV |
| Alkalinity, Carbonate as CO ₃ | ND | mg/L | | 5 | SM 2320B | 10/02/2012 1259 KV |
| Chloride | 3 | mg/L | | 1 | EPA 300.0 | 10/02/2012 1553 AM |
| Fluoride | 0.6 | mg/L | | 0.1 | SM 4500FC | 09/22/2012 2326 KV |
| Nitrogen, Nitrate+Nitrite (as N) | 1.0 | mg/L | | 0.1 | EPA 353.2 | 09/24/2012 1632 RH |
| Sulfate | 12 | mg/L | | 1 | EPA 300.0 | 10/02/2012 1553 AM |
| Calcium | 29 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1721 DG |
| Magnesium | 6 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1721 DG |
| Potassium | 4 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1721 DG |
| Sodium | 27 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1721 DG |
| Nitrogen, Ammonia (As N) | ND | mg/L | | 0.1 | EPA 350.1 | 09/25/2012 1540 RH |
| Silica as SiO ₂ | 64 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1721 DG |
| General Parameters | | | | | | |
| pH | 8.4 | s.u. | | 0.1 | SM 4500 H B | 09/22/2012 2326 KV |
| Electrical Conductivity | 300 | µmhos/cm | | 1 | SM 2510B | 09/22/2012 2326 KV |
| Total Dissolved Solids (180) | 240 | mg/L | | 10 | SM 2540 | 09/21/2012 1620 JCG |
| Data Quality | | | | | | |
| Cation Sum | 3.23 | meq/L | | 0.01 | SM 1030E | 10/10/2012 1149 LJK |
| Anion Sum | 3.35 | meq/L | | 0.01 | SM 1030E | 10/10/2012 1149 LJK |
| Cation-Anion Balance (± 5%) | 1.86 | % | | 0.01 | SM 1030E | 10/10/2012 1149 LJK |
| Solids, Total Dissolved (Calc) | 240 | mg/L | | 10 | SM 1030E | 10/10/2012 1149 LJK |
| Calculated TDS/TDS Ratio (0.80-1.20) | 1.00 | dec. % | | 0.01 | Calculation | 10/23/2012 1434 WN |

These results apply only to the samples tested.**RL - Reporting Limit**

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager

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Inter-Mountain Labs

Your Environmental Monitoring Partner

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported: 10/24/2012
Report ID: S1209376001

ProjectName: Marsland Private Wells 3rd Qtr 2012
Lab ID: S1209376-007
ClientSample ID: Well 725
COC:

WorkOrder: S1209376
CollectionDate: 9/18/2012
DateReceived: 9/21/2012 11:15:00 AM
FieldSampler: BB
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | EPA 200.7 | 09/24/2012 1721 | DG |
| Arsenic | 0.005 | mg/L | | 0.001 | EPA 200.8 | 09/21/2012 2023 | MS |
| Barium | ND | mg/L | | 0.1 | EPA 200.8 | 09/21/2012 2023 | MS |
| Boron | ND | mg/L | | 0.1 | EPA 200.7 | 09/24/2012 1721 | DG |
| Cadmium | ND | mg/L | | 0.005 | EPA 200.8 | 09/21/2012 2023 | MS |
| Chromium | ND | mg/L | | 0.05 | EPA 200.7 | 09/24/2012 1721 | DG |
| Copper | ND | mg/L | | 0.1 | EPA 200.8 | 09/21/2012 2023 | MS |
| Iron | 0.09 | mg/L | | 0.05 | EPA 200.7 | 09/24/2012 1721 | DG |
| Lead | ND | mg/L | | 0.05 | EPA 200.8 | 09/21/2012 2023 | MS |
| Manganese | ND | mg/L | | 0.01 | EPA 200.7 | 09/24/2012 1721 | DG |
| Mercury | ND | mg/L | | 0.001 | EPA 245.1 | 09/25/2012 1155 | CS |
| Molybdenum | ND | mg/L | | 0.1 | EPA 200.8 | 09/21/2012 2023 | MS |
| Nickel | ND | mg/L | | 0.05 | EPA 200.7 | 09/24/2012 1721 | DG |
| Selenium | ND | mg/L | | 0.001 | EPA 200.8 | 09/21/2012 2023 | MS |
| Uranium | 0.0060 | mg/L | | 0.0003 | EPA 200.8 | 09/21/2012 2023 | MS |
| Uranium Activity | 4.1 | pCi/L | | 0.2 | Calculation | 10/23/2012 1434 | WN |
| Vanadium | ND | mg/L | | 0.02 | EPA 200.8 | 09/21/2012 2023 | MS |
| Zinc | 0.10 | mg/L | | 0.01 | EPA 200.7 | 09/24/2012 1721 | DG |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 09/28/2012 2234 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 10/23/2012 1434 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | 1.7 | pCi/L | | 1 | OTW01 | 10/15/2012 1451 | SH |
| Lead 210 Precision (±) | 0.6 | pCi/L | | | OTW01 | 10/15/2012 1451 | SH |
| Polonium 210 | 1.2 | pCi/L | | 1 | OTW01 | 10/22/2012 1804 | SH |
| Polonium 210 Precision (±) | 0.7 | pCi/L | | | OTW01 | 10/22/2012 1804 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/12/2012 1334 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/12/2012 1334 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 10/08/2012 928 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 10/08/2012 928 | MB |
| Thorium 229 Tracer (30-120) | 84.5 | % | | 0.2 | ACW10 | 10/08/2012 928 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager

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Inter-Mountain Labs

Your Environmental Monitoring Partner

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 10/24/2012
Report ID: S1209376001

ProjectName: Marsland Private Wells 3rd Qtr 2012
Lab ID: S1209376-007
ClientSample ID: Well 725
COC:

WorkOrder: S1209376
CollectionDate: 9/18/2012
DateReceived: 9/21/2012 11:15:00 AM
FieldSampler: BB
Matrix: Water

Comments

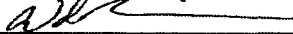
| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|-----|--------------|--------------------|----|
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | 1.1 | pCi/L | B | 1 | OTW01 | 10/19/2012 1302 | SH |
| Lead 210 Precision (±) | 0.5 | pCi/L | B | | OTW01 | 10/19/2012 1302 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/18/2012 1217 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/18/2012 1217 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/12/2012 1557 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/12/2012 1557 | SH |
| Thorium 230 | 0.2 | pCi/L | | 0.2 | ACW10 | 10/13/2012 756 | MB |
| Thorium 230 Precision (±) | 0.1 | pCi/L | | | ACW10 | 10/13/2012 756 | MB |
| Thorium 229 Tracer (30-120) | 73.4 | % | | 0.2 | ACW10 | 10/13/2012 756 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers: * Value exceeds Maximum Contaminant Level
C Calculated Value
H Holding times for preparation or analysis exceeded
L Analyzed by a contract laboratory
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
M Value exceeds Monthly Ave or MCL
O Outside the Range of Dilutions

Reviewed by: 
Wade Nieuwsma, Assistant Laboratory Manager

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Inter-Mountain Labs

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 10/24/2012
Report ID: S1209376001

ProjectName: Marsland Private Wells 3rd Qtr 2012
Lab ID: S1209376-015
ClientSample ID: Well 727
COC:

WorkOrder: S1209376
CollectionDate: 9/18/2012
DateReceived: 9/21/2012 11:15:00 AM
FieldSampler: BB
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|---|--------|----------|------|------|-------------|---------------------|
| Anions/Cations | | | | | | |
| Alkalinity, Total (As CaCO ₃) | 161 | mg/L | | 5 | SM 2320B | 09/23/2012 134 KV |
| Alkalinity, Bicarbonate as HCO ₃ | 189 | mg/L | | 5 | SM 2320B | 09/23/2012 134 KV |
| Alkalinity, Carbonate as CO ₃ | ND | mg/L | | 5 | SM 2320B | 09/23/2012 134 KV |
| Chloride | 4 | mg/L | | 1 | EPA 300.0 | 09/25/2012 019 AM |
| Fluoride | 0.4 | mg/L | | 0.1 | SM 4500FC | 09/23/2012 134 KV |
| Nitrogen, Nitrate+Nitrite (as N) | 1.8 | mg/L | | 0.1 | EPA 353.2 | 09/24/2012 1641 RH |
| Sulfate | 7 | mg/L | | 1 | EPA 300.0 | 09/25/2012 019 AM |
| Calcium | 28 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1805 DG |
| Magnesium | 12 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1805 DG |
| Potassium | 4 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1805 DG |
| Sodium | 20 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1805 DG |
| Nitrogen, Ammonia (As N) | ND | mg/L | | 0.1 | EPA 350.1 | 09/25/2012 1425 RH |
| Silica as SiO ₂ | 72 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1805 DG |
| General Parameters | | | | | | |
| pH | 8.4 | s.u. | | 0.1 | SM 4500 H B | 09/23/2012 134 KV |
| Electrical Conductivity | 308 | µmhos/cm | | 1 | SM 2510B | 09/23/2012 134 KV |
| Total Dissolved Solids (180) | 260 | mg/L | | 10 | SM 2540 | 09/21/2012 1629 JCG |
| Data Quality | | | | | | |
| Cation Sum | 3.32 | meq/L | | 0.01 | SM 1030E | 10/10/2012 1149 LJK |
| Anion Sum | 3.64 | meq/L | | 0.01 | SM 1030E | 10/10/2012 1149 LJK |
| Cation-Anion Balance (± 5%) | 4.60 | % | | 0.01 | SM 1030E | 10/10/2012 1149 LJK |
| Solids, Total Dissolved (Calc) | 250 | mg/L | | 10 | SM 1030E | 10/10/2012 1149 LJK |
| Calculated TDS/TDS Ratio (0.80-1.20) | 1.04 | dec. % | | 0.01 | Calculation | 10/23/2012 1434 WN |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Inter-Mountain Labs

Your Environmental Monitoring Partner

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 10/24/2012
Report ID: S1209376001

ProjectName: Marsland Private Wells 3rd Qtr 2012
Lab ID: S1209376-015
ClientSample ID: Well 727
COC:

WorkOrder: S1209376
CollectionDate: 9/18/2012
DateReceived: 9/21/2012 11:15:00 AM
FieldSampler: BB
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|
| Metals - Dissolved | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | EPA 200.7 | 09/24/2012 1805 DG |
| Arsenic | 0.002 | mg/L | | 0.001 | EPA 200.8 | 09/21/2012 2127 MS |
| Barium | ND | mg/L | | 0.1 | EPA 200.8 | 09/21/2012 2127 MS |
| Boron | ND | mg/L | | 0.1 | EPA 200.7 | 09/24/2012 1805 DG |
| Cadmium | ND | mg/L | | 0.005 | EPA 200.8 | 09/21/2012 2127 MS |
| Chromium | ND | mg/L | | 0.05 | EPA 200.7 | 09/24/2012 1805 DG |
| Copper | ND | mg/L | | 0.1 | EPA 200.8 | 09/21/2012 2127 MS |
| Iron | 0.06 | mg/L | | 0.05 | EPA 200.7 | 09/24/2012 1805 DG |
| Lead | ND | mg/L | | 0.05 | EPA 200.8 | 09/21/2012 2127 MS |
| Manganese | ND | mg/L | | 0.01 | EPA 200.7 | 09/24/2012 1805 DG |
| Mercury | ND | mg/L | | 0.001 | EPA 245.1 | 09/25/2012 1219 CS |
| Molybdenum | ND | mg/L | | 0.1 | EPA 200.8 | 09/21/2012 2127 MS |
| Nickel | ND | mg/L | | 0.05 | EPA 200.7 | 09/24/2012 1805 DG |
| Selenium | 0.001 | mg/L | | 0.001 | EPA 200.8 | 09/21/2012 2127 MS |
| Uranium | 0.0090 | mg/L | | 0.0003 | EPA 200.8 | 09/21/2012 2127 MS |
| Uranium Activity | 6.1 | pCi/L | | 0.2 | Calculation | 10/23/2012 1434 WN |
| Vanadium | ND | mg/L | | 0.02 | EPA 200.8 | 09/21/2012 2127 MS |
| Zinc | 0.18 | mg/L | | 0.01 | EPA 200.7 | 09/24/2012 1805 DG |
| Metals - Suspended | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 09/28/2012 2338 MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 10/23/2012 1434 WN |
| Radionuclides - Dissolved | | | | | | |
| Lead 210 | 1.9 | pCi/L | | 1 | OTW01 | 10/15/2012 1702 SH |
| Lead 210 Precision (±) | 0.5 | pCi/L | | | OTW01 | 10/15/2012 1702 SH |
| Polonium 210 | 1.8 | pCi/L | | 1 | OTW01 | 10/22/2012 1913 SH |
| Polonium 210 Precision (±) | 0.9 | pCi/L | | | OTW01 | 10/22/2012 1913 SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/10/2012 1452 SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/10/2012 1452 SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 10/09/2012 838 MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 10/09/2012 838 MB |
| Thorium 229 Tracer (30-120) | 84.5 | % | | 0.2 | ACW10 | 10/09/2012 838 MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Inter-Mountain Labs

Your Environmental Monitoring Partner

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 10/24/2012
Report ID: S1209376001

ProjectName: Marsland Private Wells 3rd Qtr 2012
Lab ID: S1209376-015
ClientSample ID: Well 727
COC:

WorkOrder: S1209376
CollectionDate: 9/18/2012
DateReceived: 9/21/2012 11:15:00 AM
FieldSampler: BB
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|-----------------------------|--------|-------|------|-----|--------------|--------------------|----|
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | 1.5 | pCi/L | B | 1 | OTW01 | 10/19/2012 1805 | SH |
| Lead 210 Precision (±) | 0.5 | pCi/L | B | | OTW01 | 10/19/2012 1805 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/18/2012 1347 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/18/2012 1347 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/12/2012 1806 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/12/2012 1806 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 10/13/2012 1205 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 10/13/2012 1205 | MB |
| Thorium 229 Tracer (30-120) | 74.8 | % | | 0.2 | ACW10 | 10/13/2012 1205 | MB |

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RL - Reporting Limit

Qualifiers:

- Value exceeds Maximum Contaminant Level
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- ND Not Detected at the Reporting Limit
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- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager

Page 45 of 60



Inter-Mountain Labs

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 10/24/2012
Report ID: S1209376001

ProjectName: Marsland Private Wells 3rd Qtr 2012
Lab ID: S1209376-009
ClientSample ID: Well 731
COC:

WorkOrder: S1209376
CollectionDate: 9/18/2012
DateReceived: 9/21/2012 11:15:00 AM
FieldSampler: BB
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|---|--------|----------|------|------|-------------|---------------------|
| Anions/Cations | | | | | | |
| Alkalinity, Total (As CaCO ₃) | 151 | mg/L | | 5 | SM 2320B | 09/23/2012 010 KV |
| Alkalinity, Bicarbonate as HCO ₃ | 180 | mg/L | | 5 | SM 2320B | 09/23/2012 010 KV |
| Alkalinity, Carbonate as CO ₃ | ND | mg/L | | 5 | SM 2320B | 09/23/2012 010 KV |
| Chloride | 3 | mg/L | | 1 | EPA 300.0 | 09/24/2012 2203 AM |
| Fluoride | 0.4 | mg/L | | 0.1 | SM 4500FC | 09/23/2012 010 KV |
| Nitrogen, Nitrate+Nitrite (as N) | 1.9 | mg/L | | 0.1 | EPA 353.2 | 09/24/2012 1634 RH |
| Sulfate | 8 | mg/L | | 1 | EPA 300.0 | 09/24/2012 2203 AM |
| Calcium | 30 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1737 DG |
| Magnesium | 8 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1737 DG |
| Potassium | 3 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1737 DG |
| Sodium | 19 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1737 DG |
| Nitrogen, Ammonia (As N) | ND | mg/L | | 0.1 | EPA 350.1 | 09/25/2012 1542 RH |
| Silica as SiO ₂ | 67 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1737 DG |
| General Parameters | | | | | | |
| pH | 8.4 | s.u. | | 0.1 | SM 4500 H B | 09/23/2012 010 KV |
| Electrical Conductivity | 292 | µmhos/cm | | 1 | SM 2510B | 09/23/2012 010 KV |
| Total Dissolved Solids (180) | 230 | mg/L | | 10 | SM 2540 | 09/21/2012 1623 JCG |
| Data Quality | | | | | | |
| Cation Sum | 3.12 | meq/L | | 0.01 | SM 1030E | 10/10/2012 1149 LJK |
| Anion Sum | 3.41 | meq/L | | 0.01 | SM 1030E | 10/10/2012 1149 LJK |
| Cation-Anion Balance (± 5%) | 4.44 | % | | 0.01 | SM 1030E | 10/10/2012 1149 LJK |
| Solids, Total Dissolved (Calc) | 240 | mg/L | | 10 | SM 1030E | 10/10/2012 1149 LJK |
| Calculated TDS/TDS Ratio (0.80-1.20) | 0.96 | dec. % | | 0.01 | Calculation | 10/23/2012 1434 WN |

These results apply only to the samples tested.

RL - Reporting Limit

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- E Value above quantitation range
- J Analyte detected below quantitation limits
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Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Inter-Mountain Labs

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 10/24/2012
Report ID: S1209376001

ProjectName: Marsland Private Wells 3rd Qtr 2012
Lab ID: S1209376-009
ClientSample ID: Well 731
COC:

WorkOrder: S1209376
CollectionDate: 9/18/2012
DateReceived: 9/21/2012 11:15:00 AM
FieldSampler: BB
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | EPA 200.7 | 09/24/2012 1737 | DG |
| Arsenic | 0.003 | mg/L | | 0.001 | EPA 200.8 | 09/21/2012 2033 | MS |
| Barium | 0.1 | mg/L | | 0.1 | EPA 200.8 | 09/21/2012 2033 | MS |
| Boron | ND | mg/L | | 0.1 | EPA 200.7 | 09/24/2012 1737 | DG |
| Cadmium | ND | mg/L | | 0.005 | EPA 200.8 | 09/21/2012 2033 | MS |
| Chromium | ND | mg/L | | 0.05 | EPA 200.7 | 09/24/2012 1737 | DG |
| Copper | ND | mg/L | | 0.1 | EPA 200.8 | 09/21/2012 2033 | MS |
| Iron | ND | mg/L | | 0.05 | EPA 200.7 | 09/24/2012 1737 | DG |
| Lead | ND | mg/L | | 0.05 | EPA 200.8 | 09/21/2012 2033 | MS |
| Manganese | ND | mg/L | | 0.01 | EPA 200.7 | 09/24/2012 1737 | DG |
| Mercury | ND | mg/L | | 0.001 | EPA 245.1 | 09/25/2012 1159 | CS |
| Molybdenum | ND | mg/L | | 0.1 | EPA 200.8 | 09/21/2012 2033 | MS |
| Nickel | ND | mg/L | | 0.05 | EPA 200.7 | 09/24/2012 1737 | DG |
| Selenium | ND | mg/L | | 0.001 | EPA 200.8 | 09/21/2012 2033 | MS |
| Uranium | 0.0073 | mg/L | | 0.0003 | EPA 200.8 | 09/21/2012 2033 | MS |
| Uranium Activity | 4.9 | pCi/L | | 0.2 | Calculation | 10/23/2012 1434 | WN |
| Vanadium | ND | mg/L | | 0.02 | EPA 200.8 | 09/21/2012 2033 | MS |
| Zinc | 0.23 | mg/L | | 0.01 | EPA 200.7 | 09/24/2012 1737 | DG |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 09/28/2012 2244 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 10/23/2012 1434 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 10/15/2012 1451 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/15/2012 1451 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/22/2012 1804 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/22/2012 1804 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/12/2012 1334 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/12/2012 1334 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 10/08/2012 928 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 10/08/2012 928 | MB |
| Thorium 229 Tracer (30-120) | 76.9 | % | | 0.2 | ACW10 | 10/08/2012 928 | MB |

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RL - Reporting Limit

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- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager

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Inter-Mountain Labs

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 10/24/2012
Report ID: S1209376001

ProjectName: Marsland Private Wells 3rd Qtr 2012
Lab ID: S1209376-009
ClientSample ID: Well 731
COC:

WorkOrder: S1209376
CollectionDate: 9/18/2012
DateReceived: 9/21/2012 11:15:00 AM
FieldSampler: BB
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|-----|--------------|--------------------|----|
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | 1.1 | pCi/L | B | 1 | OTW01 | 10/19/2012 1302 | SH |
| Lead 210 Precision (±) | 0.5 | pCi/L | B | | OTW01 | 10/19/2012 1302 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/18/2012 1217 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/18/2012 1217 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/12/2012 1557 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/12/2012 1557 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 10/13/2012 756 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 10/13/2012 756 | MB |
| Thorium 229 Tracer (30-120) | 73.5 | % | | 0.2 | ACW10 | 10/13/2012 756 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

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Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager

Page 27 of 60



Inter-Mountain Labs

Your Environmental Monitoring Partner

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 10/5/2012
Report ID: S1209161001

ProjectName: Marsland Private Wells 3rd Qtr 2012
Lab ID: S1209161-004
ClientSample ID: Well 732
COC: WEB

WorkOrder: S1209161
CollectionDate: 8/7/2012
DateReceived: 9/11/2012 11:52:00 AM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Uranium | 0.0075 | mg/L | | 0.0003 | EPA 200.8 | 09/12/2012 1436 | MS |
| Uranium Activity | 5.1 | pCi/L | | 0.2 | Calculation | 10/05/2012 1435 | WN |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 09/18/2012 2224 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 10/05/2012 1435 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 09/27/2012 1507 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 09/27/2012 1507 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 09/27/2012 1243 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 09/27/2012 1243 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 09/26/2012 1634 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 09/26/2012 1634 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 09/25/2012 902 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 09/25/2012 902 | MB |
| Thorium 229 Tracer (30-120) | 80.9 | % | | 0.2 | ACW10 | 09/25/2012 902 | MB |
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 10/03/2012 1448 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/03/2012 1448 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/03/2012 1134 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/03/2012 1134 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/02/2012 1551 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/02/2012 1551 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 09/25/2012 000 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 09/25/2012 000 | MB |
| Thorium 229 Tracer (30-120) | 84.5 | % | | 0.2 | ACW10 | 09/25/2012 000 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

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- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 10/5/2012
Report ID: S1209161001

ProjectName: Marsland Private Wells 3rd Qtr 2012
Lab ID: S1209161-001
ClientSample ID: Well 734
COC: WEB

WorkOrder: S1209161
CollectionDate: 9/7/2012
DateReceived: 9/11/2012 11:52:00 AM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Uranium | 0.0089 | mg/L | | 0.0003 | EPA 200.8 | 09/12/2012 1407 | MS |
| Uranium Activity | 6.0 | pCi/L | | 0.2 | Calculation | 10/05/2012 1435 | WN |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 09/18/2012 2154 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 10/05/2012 1435 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | 1.6 | pCi/L | | 1 | OTW01 | 09/27/2012 1507 | SH |
| Lead 210 Precision (±) | 0.6 | pCi/L | | | OTW01 | 09/27/2012 1507 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 09/27/2012 1243 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 09/27/2012 1243 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 09/26/2012 1634 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 09/26/2012 1634 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 09/25/2012 902 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 09/25/2012 902 | MB |
| Thorium 229 Tracer (30-120) | 68.2 | % | | 0.2 | ACW10 | 09/25/2012 902 | MB |
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | 1.0 | pCi/L | | 1 | OTW01 | 10/03/2012 1448 | SH |
| Lead 210 Precision (±) | 0.4 | pCi/L | | | OTW01 | 10/03/2012 1448 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/03/2012 1134 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/03/2012 1134 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/02/2012 1551 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/02/2012 1551 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 09/25/2012 000 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 09/25/2012 000 | MB |
| Thorium 229 Tracer (30-120) | 73.2 | % | | 0.2 | ACW10 | 09/25/2012 000 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 10/5/2012
Report ID: S1209161001

ProjectName: Marsland Private Wells 3rd Qtr 2012
Lab ID: S1209161-005
ClientSample ID: Well 736 (Oetken Pivot)
COC: WEB

WorkOrder: S1209161
CollectionDate: 9/7/2012
DateReceived: 9/11/2012 11:52:00 AM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Uranium | 0.0069 | mg/L | | 0.0003 | EPA 200.8 | 09/12/2012 1451 | MS |
| Uranium Activity | 4.7 | pCi/L | | 0.2 | Calculation | 10/05/2012 1435 | WN |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 09/18/2012 2229 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 10/05/2012 1435 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 09/28/2012 1201 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 09/28/2012 1201 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 09/27/2012 1350 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 09/27/2012 1350 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 09/26/2012 1634 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 09/26/2012 1634 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 09/27/2012 904 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 09/27/2012 904 | MB |
| Thorium 229 Tracer (30-120) | 76.8 | % | | 0.2 | ACW10 | 09/27/2012 904 | MB |
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 10/03/2012 1448 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/03/2012 1448 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/03/2012 1134 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/03/2012 1134 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/02/2012 1551 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/02/2012 1551 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 09/25/2012 000 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 09/25/2012 000 | MB |
| Thorium 229 Tracer (30-120) | 70.6 | % | | 0.2 | ACW10 | 09/25/2012 000 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Inter-Mountain Labs

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported: 10/31/2012
Report ID: S1210057001

ProjectName: Marshland Private Wells 3rd Qtr 2012
Lab ID: S1210057-001
ClientSample ID: Well 737
COC:

WorkOrder: S1210057
CollectionDate: 9/28/2012
DateReceived: 10/2/2012 3:05:00 PM
FieldSampler: RP
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|
| Metals - Dissolved | | | | | | |
| Uranium | 0.0061 | mg/L | | 0.0003 | EPA 200.8 | 10/02/2012 2306 MS |
| Uranium Activity | 4.1 | pCi/L | | 0.2 | Calculation | 10/31/2012 1257 WN |
| Metals - Suspended | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 10/09/2012 1421 MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 10/31/2012 1257 WN |
| Radionuclides - Dissolved | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 10/26/2012 1442 SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/26/2012 1442 SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/22/2012 1525 SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/22/2012 1525 SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/29/2012 1441 MB |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/29/2012 1441 MB |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 10/18/2012 814 MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 10/18/2012 814 MB |
| Thorium 229 Tracer (30-120) | 80.6 | % | | 0.2 | ACW10 | 10/18/2012 814 MB |
| Radionuclides - Suspended | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 10/26/2012 1746 SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/26/2012 1746 SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/22/2012 1657 SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/22/2012 1657 SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/15/2012 1318 SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/15/2012 1318 SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 10/19/2012 1050 MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 10/19/2012 1050 MB |
| Thorium 229 Tracer (30-120) | 73.8 | % | | 0.2 | ACW10 | 10/19/2012 1050 MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Inter-Mountain Labs

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 10/24/2012
Report ID: S1209376001

ProjectName: Marsland Private Wells 3rd Qtr 2012
Lab ID: S1209376-003
ClientSample ID: Well 739
COC:

WorkOrder: S1209376
CollectionDate: 9/18/2012
DateReceived: 9/21/2012 11:15:00 AM
FieldSampler: BB
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|---|--------|----------|------|------|-------------|---------------------|
| Anions/Cations | | | | | | |
| Alkalinity, Total (As CaCO ₃) | 223 | mg/L | | 5 | SM 2320B | 09/22/2012 2225 KV |
| Alkalinity, Bicarbonate as HCO ₃ | 269 | mg/L | | 5 | SM 2320B | 09/22/2012 2225 KV |
| Alkalinity, Carbonate as CO ₃ | ND | mg/L | | 5 | SM 2320B | 09/22/2012 2225 KV |
| Chloride | 4 | mg/L | | 1 | EPA 300.0 | 09/24/2012 1959 AM |
| Fluoride | 0.4 | mg/L | | 0.1 | SM 4500FC | 09/22/2012 2225 KV |
| Nitrogen, Nitrate+Nitrite (as N) | 8.7 | mg/L | | 0.1 | EPA 353.2 | 09/24/2012 1621 RH |
| Sulfate | 12 | mg/L | | 1 | EPA 300.0 | 09/24/2012 1959 AM |
| Calcium | 61 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1709 DG |
| Magnesium | 10 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1709 DG |
| Potassium | 7 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1709 DG |
| Sodium | 23 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1709 DG |
| Nitrogen, Ammonia (As N) | ND | mg/L | | 0.1 | EPA 350.1 | 09/25/2012 1531 RH |
| Silica as SiO ₂ | 53 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1709 DG |
| General Parameters | | | | | | |
| pH | 8.3 | s.u. | | 0.1 | SM 4500 H B | 09/22/2012 2225 KV |
| Electrical Conductivity | 476 | µmhos/cm | | 1 | SM 2510B | 09/22/2012 2225 KV |
| Total Dissolved Solids (180) | 320 | mg/L | | 10 | SM 2540 | 09/21/2012 1616 JCG |
| Data Quality | | | | | | |
| Cation Sum | 4.99 | meq/L | | 0.01 | SM 1030E | 10/10/2012 1149 LJK |
| Anion Sum | 5.45 | meq/L | | 0.01 | SM 1030E | 10/10/2012 1149 LJK |
| Cation-Anion Balance (± 5%) | 4.42 | % | | 0.01 | SM 1030E | 10/10/2012 1149 LJK |
| Solids, Total Dissolved (Calc) | 340 | mg/L | | 10 | SM 1030E | 10/10/2012 1149 LJK |
| Calculated TDS/TDS Ratio (0.80-1.20) | 0.94 | dec. % | | 0.01 | Calculation | 10/23/2012 1434 WN |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager

Page 7 of 60



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Your Environmental Monitoring Partner

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 10/24/2012
Report ID: S1209376001

ProjectName: Marsland Private Wells 3rd Qtr 2012
Lab ID: S1209376-003
ClientSample ID: Well 739
COC:

WorkOrder: S1209376
CollectionDate: 9/18/2012
DateReceived: 9/21/2012 11:15:00 AM
FieldSampler: BB
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | EPA 200.7 | 09/24/2012 1709 | DG |
| Arsenic | 0.005 | mg/L | | 0.001 | EPA 200.8 | 09/21/2012 1953 | MS |
| Barium | 0.2 | mg/L | | 0.1 | EPA 200.8 | 09/21/2012 1953 | MS |
| Boron | ND | mg/L | | 0.1 | EPA 200.7 | 09/24/2012 1709 | DG |
| Cadmium | ND | mg/L | | 0.005 | EPA 200.8 | 09/21/2012 1953 | MS |
| Chromium | ND | mg/L | | 0.05 | EPA 200.7 | 09/24/2012 1709 | DG |
| Copper | ND | mg/L | | 0.1 | EPA 200.8 | 09/21/2012 1953 | MS |
| Iron | ND | mg/L | | 0.05 | EPA 200.7 | 09/24/2012 1709 | DG |
| Lead | ND | mg/L | | 0.05 | EPA 200.8 | 09/21/2012 1953 | MS |
| Manganese | ND | mg/L | | 0.01 | EPA 200.7 | 09/24/2012 1709 | DG |
| Mercury | ND | mg/L | | 0.001 | EPA 245.1 | 09/25/2012 1134 | CS |
| Molybdenum | ND | mg/L | | 0.1 | EPA 200.8 | 09/21/2012 1953 | MS |
| Nickel | ND | mg/L | | 0.05 | EPA 200.7 | 09/24/2012 1709 | DG |
| Selenium | ND | mg/L | | 0.001 | EPA 200.8 | 09/21/2012 1953 | MS |
| Uranium | 0.0097 | mg/L | | 0.0003 | EPA 200.8 | 09/21/2012 1953 | MS |
| Uranium Activity | 6.6 | pCi/L | | 0.2 | Calculation | 10/23/2012 1434 | WN |
| Vanadium | ND | mg/L | | 0.02 | EPA 200.8 | 09/21/2012 1953 | MS |
| Zinc | 0.01 | mg/L | | 0.01 | EPA 200.7 | 09/24/2012 1709 | DG |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 09/28/2012 2214 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 10/23/2012 1434 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | 1.5 | pCi/L | | 1 | OTW01 | 10/10/2012 1633 | SH |
| Lead 210 Precision (±) | 0.5 | pCi/L | | | OTW01 | 10/10/2012 1633 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/10/2012 1206 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/10/2012 1206 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/12/2012 1334 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/12/2012 1334 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 10/25/2012 1301 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 10/25/2012 1301 | MB |
| Thorium 229 Tracer (30-120) | 91.6 | pCi/L | | 0.2 | ACW10 | 10/25/2012 1301 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 10/24/2012
Report ID: S1209376001

ProjectName: Marsland Private Wells 3rd Qtr 2012
Lab ID: S1209376-003
ClientSample ID: Well 739
COC:

WorkOrder: S1209376
CollectionDate: 9/18/2012
DateReceived: 9/21/2012 11:15:00 AM
FieldSampler: BB
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|-----|--------------|--------------------|----|
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | 1.2 | pCi/L | | 1 | OTW01 | 10/12/2012 1933 | SH |
| Lead 210 Precision (±) | 0.5 | pCi/L | | | OTW01 | 10/12/2012 1933 | SH |
| Polonium 210 | 2.8 | pCi/L | | 1 | OTW01 | 10/12/2012 000 | SH |
| Polonium 210 Precision (±) | 0.6 | pCi/L | | | OTW01 | 10/12/2012 000 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/12/2012 1557 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/12/2012 1557 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 10/12/2012 1314 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 10/12/2012 1314 | MB |
| Thorium 229 Tracer (30-120) | 67.8 | % | | 0.2 | ACW10 | 10/12/2012 1314 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager



Inter-Mountain Labs

Your Environmental Monitoring Partner

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported: 10/24/2012
Report ID: S1209376001

ProjectName: Marsland Private Wells 3rd Qtr 2012
Lab ID: S1209376-002
ClientSample ID: Well 740
COC:

WorkOrder: S1209376
CollectionDate: 9/18/2012
DateReceived: 9/21/2012 11:15:00 AM
FieldSampler: BB
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|---|--------|----------|------|------|-------------|---------------------|
| Anions/Cations | | | | | | |
| Alkalinity, Total (As CaCO ₃) | 228 | mg/L | | 5 | SM 2320B | 09/22/2012 2214 KV |
| Alkalinity, Bicarbonate as HCO ₃ | 272 | mg/L | | 5 | SM 2320B | 09/22/2012 2214 KV |
| Alkalinity, Carbonate as CO ₃ | ND | mg/L | | 5 | SM 2320B | 09/22/2012 2214 KV |
| Chloride | 7 | mg/L | | 1 | EPA 300.0 | 09/24/2012 1947 AM |
| Fluoride | 0.5 | mg/L | | 0.1 | SM 4500FC | 09/22/2012 2214 KV |
| Nitrogen, Nitrate+Nitrite (as N) | 1.6 | mg/L | | 0.1 | EPA 353.2 | 09/24/2012 1620 RH |
| Sulfate | 44 | mg/L | | 1 | EPA 300.0 | 09/24/2012 1947 AM |
| Calcium | 62 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1707 DG |
| Magnesium | 11 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1707 DG |
| Potassium | 9 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1707 DG |
| Sodium | 31 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1707 DG |
| Nitrogen, Ammonia (As N) | ND | mg/L | | 0.1 | EPA 350.1 | 09/25/2012 1530 RH |
| Silica as SiO ₂ | 53 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1707 DG |
| General Parameters | | | | | | |
| pH | 8.3 | s.u. | | 0.1 | SM 4500 H B | 09/22/2012 2214 KV |
| Electrical Conductivity | 519 | µmhos/cm | | 1 | SM 2510B | 09/22/2012 2214 KV |
| Total Dissolved Solids (180) | 370 | mg/L | | 10 | SM 2540 | 09/21/2012 1615 JCG |
| Data Quality | | | | | | |
| Cation Sum | 5.51 | meq/L | | 0.01 | SM 1030E | 10/10/2012 1149 LJK |
| Anion Sum | 5.82 | meq/L | | 0.01 | SM 1030E | 10/10/2012 1149 LJK |
| Cation-Anion Balance (± 5%) | 2.69 | % | | 0.01 | SM 1030E | 10/10/2012 1149 LJK |
| Solids, Total Dissolved (Calc) | 360 | mg/L | | 10 | SM 1030E | 10/10/2012 1149 LJK |
| Calculated TDS/TDS Ratio (0.80-1.20) | 1.03 | dec. % | | 0.01 | Calculation | 10/23/2012 1434 WN |

These results apply only to the samples tested.

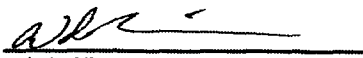
RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:



Wade Nieuwsma, Assistant Laboratory Manager

Page 4 of 60



Inter-Mountain Labs

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 10/24/2012
Report ID: S1209376001

ProjectName: Marsland Private Wells 3rd Qtr 2012
Lab ID: S1209376-002
ClientSample ID: Well 740
COC:

WorkOrder: S1209376
CollectionDate: 9/18/2012
DateReceived: 9/21/2012 11:15:00 AM
FieldSampler: BB
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | EPA 200.7 | 09/24/2012 1707 | DG |
| Arsenic | 0.008 | mg/L | | 0.001 | EPA 200.8 | 09/21/2012 1948 | MS |
| Barium | 0.2 | mg/L | | 0.1 | EPA 200.8 | 09/21/2012 1948 | MS |
| Boron | ND | mg/L | | 0.1 | EPA 200.7 | 09/24/2012 1707 | DG |
| Cadmium | ND | mg/L | | 0.005 | EPA 200.8 | 09/21/2012 1948 | MS |
| Chromium | ND | mg/L | | 0.05 | EPA 200.7 | 09/24/2012 1707 | DG |
| Copper | ND | mg/L | | 0.1 | EPA 200.8 | 09/21/2012 1948 | MS |
| Iron | ND | mg/L | | 0.05 | EPA 200.7 | 09/24/2012 1707 | DG |
| Lead | ND | mg/L | | 0.05 | EPA 200.8 | 09/21/2012 1948 | MS |
| Manganese | 0.08 | mg/L | | 0.01 | EPA 200.7 | 09/24/2012 1707 | DG |
| Mercury | ND | mg/L | | 0.001 | EPA 245.1 | 09/25/2012 1133 | CS |
| Molybdenum | ND | mg/L | | 0.1 | EPA 200.8 | 09/21/2012 1948 | MS |
| Nickel | ND | mg/L | | 0.05 | EPA 200.7 | 09/24/2012 1707 | DG |
| Selenium | ND | mg/L | | 0.001 | EPA 200.8 | 09/21/2012 1948 | MS |
| Uranium | 0.0191 | mg/L | | 0.0003 | EPA 200.8 | 09/21/2012 1948 | MS |
| Uranium Activity | 12.9 | pCi/L | | 0.2 | Calculation | 10/23/2012 1434 | WN |
| Vanadium | ND | mg/L | | 0.02 | EPA 200.8 | 09/21/2012 1948 | MS |
| Zinc | ND | mg/L | | 0.01 | EPA 200.7 | 09/24/2012 1707 | DG |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 09/28/2012 2159 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 10/23/2012 1434 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | 1.7 | pCi/L | | 1 | OTW01 | 10/10/2012 1633 | SH |
| Lead 210 Precision (±) | 0.5 | pCi/L | | | OTW01 | 10/10/2012 1633 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/10/2012 1206 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/10/2012 1206 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/12/2012 1334 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/12/2012 1334 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 10/05/2012 1225 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 10/05/2012 1225 | MB |
| Thorium 229 Tracer (30-120) | 74.9 | % | | 0.2 | ACW10 | 10/05/2012 1225 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Inter-Mountain Labs

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 10/24/2012
Report ID: S1209376001

ProjectName: Marsland Private Wells 3rd Qtr 2012
Lab ID: S1209376-002
ClientSample ID: Well 740
COC:

WorkOrder: S1209376
CollectionDate: 9/18/2012
DateReceived: 9/21/2012 11:15:00 AM
FieldSampler: BB
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|----------------------------------|--------|-------|------|-----|--------------|--------------------|
| Radionuclides - Suspended | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 10/12/2012 1933 SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/12/2012 1933 SH |
| Polonium 210 | 1.2 | pCi/L | | 1 | OTW01 | 10/12/2012 000 SH |
| Polonium 210 Precision (±) | 0.5 | pCi/L | | | OTW01 | 10/12/2012 000 SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/12/2012 1557 SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/12/2012 1557 SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 10/12/2012 1314 MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 10/12/2012 1314 MB |
| Thorium 229 Tracer (30-120) | 68.8 | % | | 0.2 | ACW10 | 10/12/2012 1314 MB |

These results apply only to the samples tested.**RL - Reporting Limit**

Qualifiers:

- Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Inter-Mountain Labs

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 10/24/2012
Report ID: S1209376001

ProjectName: Marsland Private Wells 3rd Qtr 2012
Lab ID: S1209376-005
ClientSample ID: Well 742
COC:

WorkOrder: S1209376
CollectionDate: 9/18/2012
DateReceived: 9/21/2012 11:15:00 AM
FieldSampler: BB
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|---|--------|----------|------|------|-------------|---------------------|
| Anions/Cations | | | | | | |
| Alkalinity, Total (As CaCO ₃) | 244 | mg/L | | 5 | SM 2320B | 09/22/2012 2300 KV |
| Alkalinity, Bicarbonate as HCO ₃ | 293 | mg/L | | 5 | SM 2320B | 09/22/2012 2300 KV |
| Alkalinity, Carbonate as CO ₃ | ND | mg/L | | 5 | SM 2320B | 09/22/2012 2300 KV |
| Chloride | 8 | mg/L | | 1 | EPA 300.0 | 10/02/2012 1530 AM |
| Fluoride | 0.6 | mg/L | | 0.1 | SM 4500FC | 09/22/2012 2300 KV |
| Nitrogen, Nitrate+Nitrite (as N) | 0.8 | mg/L | | 0.1 | EPA 353.2 | 09/24/2012 1623 RH |
| Sulfate | 24 | mg/L | | 1 | EPA 300.0 | 10/02/2012 1530 AM |
| Calcium | 59 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1714 DG |
| Magnesium | 12 | mg/L | | 1 | EPA 200.7 | 10/02/2012 1528 DG |
| Potassium | 13 | mg/L | | 1 | EPA 200.7 | 10/02/2012 1528 DG |
| Sodium | 28 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1714 DG |
| Nitrogen, Ammonia (As N) | ND | mg/L | | 0.1 | EPA 350.1 | 09/25/2012 1538 RH |
| Silica as SiO ₂ | 40 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1714 DG |
| General Parameters | | | | | | |
| pH | 8.3 | s.u. | | 0.1 | SM 4500 H B | 09/22/2012 2300 KV |
| Electrical Conductivity | 507 | µmhos/cm | | 1 | SM 2510B | 09/22/2012 2300 KV |
| Total Dissolved Solids (180) | 330 | mg/L | | 10 | SM 2540 | 09/21/2012 1618 JCG |
| Data Quality | | | | | | |
| Cation Sum | 5.41 | meq/L | | 0.01 | SM 1030E | 10/10/2012 1149 LJK |
| Anion Sum | 5.68 | meq/L | | 0.01 | SM 1030E | 10/10/2012 1149 LJK |
| Cation-Anion Balance (± 5%) | 2.48 | % | | 0.01 | SM 1030E | 10/10/2012 1149 LJK |
| Solids, Total Dissolved (Calc) | 330 | mg/L | | 10 | SM 1030E | 10/10/2012 1149 LJK |
| Calculated TDS/TDS Ratio (0.80-1.20) | 1.00 | dec. % | | 0.01 | Calculation | 10/23/2012 1434 WN |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager

Page 13 of 60



Inter-Mountain Labs

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 10/24/2012
Report ID: S1209376001

ProjectName: Marsland Private Wells 3rd Qtr 2012
Lab ID: S1209376-005
ClientSample ID: Well 742
COC:

WorkOrder: S1209376
CollectionDate: 9/18/2012
DateReceived: 9/21/2012 11:15:00 AM
FieldSampler: BB
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | EPA 200.7 | 09/24/2012 1714 | DG |
| Arsenic | 0.010 | mg/L | | 0.001 | EPA 200.8 | 09/21/2012 2003 | MS |
| Barium | 0.2 | mg/L | | 0.1 | EPA 200.8 | 09/21/2012 2003 | MS |
| Boron | ND | mg/L | | 0.1 | EPA 200.7 | 09/24/2012 1714 | DG |
| Cadmium | ND | mg/L | | 0.005 | EPA 200.8 | 09/21/2012 2003 | MS |
| Chromium | ND | mg/L | | 0.05 | EPA 200.7 | 09/24/2012 1714 | DG |
| Copper | ND | mg/L | | 0.1 | EPA 200.8 | 09/21/2012 2003 | MS |
| Iron | ND | mg/L | | 0.05 | EPA 200.7 | 09/24/2012 1714 | DG |
| Lead | ND | mg/L | | 0.05 | EPA 200.8 | 09/21/2012 2003 | MS |
| Manganese | 0.14 | mg/L | | 0.01 | EPA 200.7 | 09/24/2012 1714 | DG |
| Mercury | ND | mg/L | | 0.001 | EPA 245.1 | 09/25/2012 1145 | CS |
| Molybdenum | ND | mg/L | | 0.1 | EPA 200.8 | 09/21/2012 2003 | MS |
| Nickel | ND | mg/L | | 0.05 | EPA 200.7 | 09/24/2012 1714 | DG |
| Selenium | ND | mg/L | | 0.001 | EPA 200.8 | 09/21/2012 2003 | MS |
| Uranium | 0.0116 | mg/L | | 0.0003 | EPA 200.8 | 09/21/2012 2003 | MS |
| Uranium Activity | 7.9 | pCi/L | | 0.2 | Calculation | 10/23/2012 1434 | WN |
| Vanadium | ND | mg/L | | 0.02 | EPA 200.8 | 09/21/2012 2003 | MS |
| Zinc | ND | mg/L | | 0.01 | EPA 200.7 | 09/24/2012 1714 | DG |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 09/28/2012 2224 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 10/23/2012 1434 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | 2.2 | pCi/L | | 1 | OTW01 | 10/15/2012 1451 | SH |
| Lead 210 Precision (±) | 0.5 | pCi/L | | | OTW01 | 10/15/2012 1451 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/22/2012 1804 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/22/2012 1804 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/12/2012 1334 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/12/2012 1334 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 10/05/2012 1225 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 10/05/2012 1225 | MB |
| Thorium 229 Tracer (30-120) | 76.4 | % | | 0.2 | ACW10 | 10/05/2012 1225 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Inter-Mountain Labs

Your Environmental Monitoring Partner

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 10/24/2012
Report ID: S1209376001

ProjectName: Marsland Private Wells 3rd Qtr 2012
Lab ID: S1209376-005
ClientSample ID: Well 742
COC:

WorkOrder: S1209376
CollectionDate: 9/18/2012
DateReceived: 9/21/2012 11:15:00 AM
FieldSampler: BB
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|-----|--------------|--------------------|----|
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | 1.5 | pCi/L | B | 1 | OTW01 | 10/19/2012 1302 | SH |
| Lead 210 Precision (±) | 0.5 | pCi/L | B | | OTW01 | 10/19/2012 1302 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/18/2012 1217 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/18/2012 1217 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/12/2012 1557 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/12/2012 1557 | SH |
| Thorium 230 | 0.3 | pCi/L | | 0.2 | ACW10 | 10/12/2012 1314 | MB |
| Thorium 230 Precision (±) | 0.1 | pCi/L | | | ACW10 | 10/12/2012 1314 | MB |
| Thorium 229 Tracer (30-120) | 63.2 | % | | 0.2 | ACW10 | 10/12/2012 1314 | MB |

These results apply only to the samples tested.**RL - Reporting Limit**

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Inter-Mountain Labs

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 10/24/2012
Report ID: S1209376001

ProjectName: Marsland Private Wells 3rd Qtr 2012
Lab ID: S1209376-012
ClientSample ID: Well 746
COC:

WorkOrder: S1209376
CollectionDate: 9/18/2012
DateReceived: 9/21/2012 11:15:00 AM
FieldSampler: BB
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|---|--------|----------|------|------|-------------|---------------------|
| Anions/Cations | | | | | | |
| Alkalinity, Total (As CaCO ₃) | 155 | mg/L | | 5 | SM 2320B | 09/23/2012 046 KV |
| Alkalinity, Bicarbonate as HCO ₃ | 184 | mg/L | | 5 | SM 2320B | 09/23/2012 046 KV |
| Alkalinity, Carbonate as CO ₃ | ND | mg/L | | 5 | SM 2320B | 09/23/2012 046 KV |
| Chloride | 2 | mg/L | | 1 | EPA 300.0 | 09/24/2012 2240 AM |
| Fluoride | 0.5 | mg/L | | 0.1 | SM 4500FC | 09/23/2012 046 KV |
| Nitrogen, Nitrate+Nitrite (as N) | 1.1 | mg/L | | 0.1 | EPA 353.2 | 09/24/2012 1637 RH |
| Sulfate | 3 | mg/L | | 1 | EPA 300.0 | 09/24/2012 2240 AM |
| Calcium | 33 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1744 DG |
| Magnesium | 12 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1744 DG |
| Potassium | 2 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1744 DG |
| Sodium | 10 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1744 DG |
| Nitrogen, Ammonia (As N) | ND | mg/L | | 0.1 | EPA 350.1 | 09/25/2012 1422 RH |
| Nitrogen, Ammonia (As N) | ND | mg/L | | 0.1 | EPA 350.1 | 09/25/2012 1545 RH |
| Silica as SiO ₂ | 75 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1744 DG |
| General Parameters | | | | | | |
| pH | 8.4 | s.u. | | 0.1 | SM 4500 H B | 09/23/2012 046 KV |
| Electrical Conductivity | 278 | µmhos/cm | | 1 | SM 2510B | 09/23/2012 046 KV |
| Total Dissolved Solids (180) | 220 | mg/L | | 10 | SM 2540 | 09/21/2012 1626 JCG |
| Data Quality | | | | | | |
| Cation Sum | 3.08 | meq/L | | 0.01 | SM 1030E | 10/10/2012 1149 LJK |
| Anion Sum | 3.31 | meq/L | | 0.01 | SM 1030E | 10/10/2012 1149 LJK |
| Cation-Anion Balance (± 5%) | 3.59 | % | | 0.01 | SM 1030E | 10/10/2012 1149 LJK |
| Solids, Total Dissolved (Calc) | 230 | mg/L | | 10 | SM 1030E | 10/10/2012 1149 LJK |
| Calculated TDS/TDS Ratio (0.80-1.20) | 0.96 | dec. % | | 0.01 | Calculation | 10/23/2012 1434 WN |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

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- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Inter-Mountain Labs

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 10/24/2012
Report ID: S1209376001

ProjectName: Marsland Private Wells 3rd Qtr 2012
Lab ID: S1209376-012
ClientSample ID: Well 746
COC:

WorkOrder: S1209376
CollectionDate: 9/18/2012
DateReceived: 9/21/2012 11:15:00 AM
FieldSampler: BB
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | EPA 200.7 | 09/24/2012 1744 | DG |
| Arsenic | 0.003 | mg/L | | 0.001 | EPA 200.8 | 09/21/2012 2102 | MS |
| Barium | ND | mg/L | | 0.1 | EPA 200.8 | 09/21/2012 2102 | MS |
| Boron | ND | mg/L | | 0.1 | EPA 200.7 | 09/24/2012 1744 | DG |
| Cadmium | ND | mg/L | | 0.005 | EPA 200.8 | 09/21/2012 2102 | MS |
| Chromium | ND | mg/L | | 0.05 | EPA 200.7 | 09/24/2012 1744 | DG |
| Copper | ND | mg/L | | 0.1 | EPA 200.8 | 09/21/2012 2102 | MS |
| Iron | 0.15 | mg/L | | 0.05 | EPA 200.7 | 09/24/2012 1744 | DG |
| Lead | ND | mg/L | | 0.05 | EPA 200.8 | 09/21/2012 2102 | MS |
| Manganese | ND | mg/L | | 0.01 | EPA 200.7 | 09/24/2012 1744 | DG |
| Mercury | ND | mg/L | | 0.001 | EPA 245.1 | 09/25/2012 1204 | CS |
| Molybdenum | ND | mg/L | | 0.1 | EPA 200.8 | 09/21/2012 2102 | MS |
| Nickel | ND | mg/L | | 0.05 | EPA 200.7 | 09/24/2012 1744 | DG |
| Selenium | ND | mg/L | | 0.001 | EPA 200.8 | 09/21/2012 2102 | MS |
| Uranium | 0.0069 | mg/L | | 0.0003 | EPA 200.8 | 09/21/2012 2102 | MS |
| Uranium Activity | 4.7 | pCi/L | | 0.2 | Calculation | 10/23/2012 1434 | WN |
| Vanadium | ND | mg/L | | 0.02 | EPA 200.8 | 09/21/2012 2102 | MS |
| Zinc | 0.03 | mg/L | | 0.01 | EPA 200.7 | 09/24/2012 1744 | DG |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 09/28/2012 2259 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 10/23/2012 1434 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 10/15/2012 1451 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/15/2012 1451 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/22/2012 1804 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/22/2012 1804 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/10/2012 1452 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/10/2012 1452 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 10/08/2012 928 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 10/08/2012 928 | MB |
| Thorium 229 Tracer (30-120) | 75.3 | % | | 0.2 | ACW10 | 10/08/2012 928 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Inter-Mountain Labs

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 10/24/2012
Report ID: S1209376001

ProjectName: Marsland Private Wells 3rd Qtr 2012
Lab ID: S1209376-012
ClientSample ID: Well 746
COC:

WorkOrder: S1209376
CollectionDate: 9/18/2012
DateReceived: 9/21/2012 11:15:00 AM
FieldSampler: BB
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|----------------------------------|--------|-------|------|-----|--------------|--------------------|
| Radionuclides - Suspended | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 10/19/2012 1805 SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/19/2012 1805 SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/18/2012 1347 SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/18/2012 1347 SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/12/2012 1557 SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/12/2012 1557 SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 10/13/2012 756 MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 10/13/2012 756 MB |
| Thorium 229 Tracer (30-120) | 80.9 | % | | 0.2 | ACW10 | 10/13/2012 756 MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager

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Inter-Mountain Labs

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 10/5/2012
Report ID: S1209161001

ProjectName: Marsland Private Wells 3rd Qtr 2012
Lab ID: S1209161-007
ClientSample ID: Well 752
COC: WEB

WorkOrder: S1209161
CollectionDate: 9/7/2012
DateReceived: 9/11/2012 11:52:00 AM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Uranium | 0.0087 | mg/L | | 0.0003 | EPA 200.8 | 09/12/2012 1501 | MS |
| Uranium Activity | 5.9 | pCi/L | | 0.2 | Calculation | 10/05/2012 1435 | WN |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 09/18/2012 2239 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 10/05/2012 1435 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | 1.5 | pCi/L | | 1 | OTW01 | 09/28/2012 1201 | SH |
| Lead 210 Precision (±) | 0.5 | pCi/L | | | OTW01 | 09/28/2012 1201 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 09/27/2012 1350 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 09/27/2012 1350 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 09/26/2012 1634 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 09/26/2012 1634 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 09/27/2012 904 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 09/27/2012 904 | MB |
| Thorium 229 Tracer (30-120) | 72.4 | % | | 0.2 | ACW10 | 09/27/2012 904 | MB |
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 10/04/2012 1215 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/04/2012 1215 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/03/2012 1303 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/03/2012 1303 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/02/2012 1551 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/02/2012 1551 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 09/25/2012 000 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 09/25/2012 000 | MB |
| Thorium 229 Tracer (30-120) | 76.8 | % | | 0.2 | ACW10 | 09/25/2012 000 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported: 10/5/2012
Report ID: S1209161001

ProjectName: Marsland Private Wells 3rd Qtr 2012
Lab ID: S1209161-009
ClientSample ID: Well 753
COC: WEB

WorkOrder: S1209161
CollectionDate: 9/7/2012
DateReceived: 9/11/2012 11:52:00 AM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Uranium | 0.0057 | mg/L | | 0.0003 | EPA 200.8 | 09/12/2012 1511 | MS |
| Uranium Activity | 3.9 | pCi/L | | 0.2 | Calculation | 10/05/2012 1435 | WN |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 09/18/2012 2259 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 10/05/2012 1435 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | 1.3 | pCi/L | | 1 | OTW01 | 09/28/2012 1201 | SH |
| Lead 210 Precision (±) | 0.4 | pCi/L | | | OTW01 | 09/28/2012 1201 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 09/27/2012 1350 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 09/27/2012 1350 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 09/26/2012 1634 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 09/26/2012 1634 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 09/27/2012 904 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 09/27/2012 904 | MB |
| Thorium 229 Tracer (30-120) | 89.2 | % | | 0.2 | ACW10 | 09/27/2012 904 | MB |
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | 1.4 | pCi/L | | 1 | OTW01 | 10/04/2012 1215 | SH |
| Lead 210 Precision (±) | 0.4 | pCi/L | | | OTW01 | 10/04/2012 1215 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/03/2012 1303 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/03/2012 1303 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/02/2012 1551 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/02/2012 1551 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 09/25/2012 000 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 09/25/2012 000 | MB |
| Thorium 229 Tracer (30-120) | 76.9 | % | | 0.2 | ACW10 | 09/25/2012 000 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported: 10/5/2012
Report ID: S1209161001

ProjectName: Marsland Private Wells 3rd Qtr 2012
Lab ID: S1209161-008
ClientSample ID: Well 754
COC: WEB

WorkOrder: S1209161
CollectionDate: 9/7/2012
DateReceived: 9/11/2012 11:52:00 AM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Uranium | 0.0065 | mg/L | | 0.0003 | EPA 200.8 | 09/12/2012 1506 | MS |
| Uranium Activity | 4.4 | pCi/L | | 0.2 | Calculation | 10/05/2012 1435 | WN |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 09/18/2012 2254 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 10/05/2012 1435 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 09/28/2012 1201 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 09/28/2012 1201 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 09/27/2012 1350 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 09/27/2012 1350 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 09/26/2012 1634 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 09/26/2012 1634 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 09/27/2012 904 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 09/27/2012 904 | MB |
| Thorium 229 Tracer (30-120) | 71.5 | % | | 0.2 | ACW10 | 09/27/2012 904 | MB |
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 10/04/2012 1215 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/04/2012 1215 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/03/2012 1303 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/03/2012 1303 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/02/2012 1551 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/02/2012 1551 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 09/25/2012 000 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 09/25/2012 000 | MB |
| Thorium 229 Tracer (30-120) | 67.9 | % | | 0.2 | ACW10 | 09/25/2012 000 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers: * Value exceeds Maximum Contaminant Level
C Calculated Value
H Holding times for preparation or analysis exceeded
L Analyzed by a contract laboratory
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
M Value exceeds Monthly Ave or MCL
O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 10/5/2012
Report ID: S1209161001

ProjectName: Marsland Private Wells 3rd Qtr 2012
Lab ID: S1209161-006
ClientSample ID: Well 755
COC: WEB

WorkOrder: S1209161
CollectionDate: 9/7/2012
DateReceived: 9/11/2012 11:52:00 AM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|
| Metals - Dissolved | | | | | | |
| Uranium | 0.0051 | mg/L | | 0.0003 | EPA 200.8 | 09/12/2012 1456 MS |
| Uranium Activity | 3.5 | pCi/L | | 0.2 | Calculation | 10/05/2012 1435 WN |
| Metals - Suspended | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 09/18/2012 2234 MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 10/05/2012 1435 WN |
| Radionuclides - Dissolved | | | | | | |
| Lead 210 | 1.8 | pCi/L | | 1 | OTW01 | 09/28/2012 1201 SH |
| Lead 210 Precision (±) | 0.5 | pCi/L | | | OTW01 | 09/28/2012 1201 SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 09/27/2012 1350 SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 09/27/2012 1350 SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 09/26/2012 1634 SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 09/26/2012 1634 SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 09/27/2012 904 MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 09/27/2012 904 MB |
| Thorium 229 Tracer (30-120) | 78.5 | % | | 0.2 | ACW10 | 09/27/2012 904 MB |
| Radionuclides - Suspended | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 10/03/2012 1448 SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/03/2012 1448 SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/03/2012 1134 SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/03/2012 1134 SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/02/2012 1551 SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/02/2012 1551 SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 09/25/2012 000 MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 09/25/2012 000 MB |
| Thorium 229 Tracer (30-120) | 79.5 | % | | 0.2 | ACW10 | 09/25/2012 000 MB |

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RL - Reporting Limit

Qualifiers:

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- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Inter-Mountain Labs

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 10/24/2012
Report ID: S1209376001

ProjectName: Marsland Private Wells 3rd Qtr 2012
Lab ID: S1209376-004
ClientSample ID: Well 777
COC:

WorkOrder: S1209376
CollectionDate: 9/18/2012
DateReceived: 9/21/2012 11:15:00 AM
FieldSampler: BB
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|---|--------|----------|------|------|-------------|---------------------|
| Anions/Cations | | | | | | |
| Alkalinity, Total (As CaCO ₃) | 302 | mg/L | | 5 | SM 2320B | 09/22/2012 2237 KV |
| Alkalinity, Bicarbonate as HCO ₃ | 369 | mg/L | | 5 | SM 2320B | 09/22/2012 2237 KV |
| Alkalinity, Carbonate as CO ₃ | ND | mg/L | | 5 | SM 2320B | 09/22/2012 2237 KV |
| Chloride | 4 | mg/L | | 1 | EPA 300.0 | 09/24/2012 2012 AM |
| Fluoride | 0.4 | mg/L | | 0.1 | SM 4500FC | 09/22/2012 2237 KV |
| Nitrogen, Nitrate+Nitrite (as N) | 3.0 | mg/L | | 0.1 | EPA 353.2 | 09/24/2012 1622 RH |
| Sulfate | 15 | mg/L | | 1 | EPA 300.0 | 09/24/2012 2012 AM |
| Calcium | 73 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1711 DG |
| Magnesium | 10 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1711 DG |
| Potassium | 7 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1711 DG |
| Sodium | 38 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1711 DG |
| Nitrogen, Ammonia (As N) | ND | mg/L | | 0.1 | EPA 350.1 | 09/25/2012 1537 RH |
| Silica as SiO ₂ | 53 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1711 DG |
| General Parameters | | | | | | |
| pH | 8.2 | s.u. | | 0.1 | SM 4500 H B | 09/22/2012 2237 KV |
| Electrical Conductivity | 578 | µmhos/cm | | 1 | SM 2510B | 09/22/2012 2237 KV |
| Total Dissolved Solids (180) | 400 | mg/L | | 10 | SM 2540 | 09/21/2012 1617 JCG |
| Data Quality | | | | | | |
| Cation Sum | 6.29 | meq/L | | 0.01 | SM 1030E | 10/10/2012 1149 LJK |
| Anion Sum | 6.71 | meq/L | | 0.01 | SM 1030E | 10/10/2012 1149 LJK |
| Cation-Anion Balance (± 5%) | 3.20 | % | | 0.01 | SM 1030E | 10/10/2012 1149 LJK |
| Solids, Total Dissolved (Calc) | 400 | mg/L | | 10 | SM 1030E | 10/10/2012 1149 LJK |
| Calculated TDS/TDS Ratio (0.80-1.20) | 1.00 | dec. % | | 0.01 | Calculation | 10/23/2012 1434 WN |

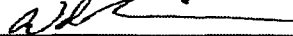
These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

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- C Calculated Value
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- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: 
Wade Nieuwsma, Assistant Laboratory Manager



Inter-Mountain Labs

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 10/24/2012
Report ID: S1209376001

ProjectName: Marsland Private Wells 3rd Qtr 2012
Lab ID: S1209376-004
ClientSample ID: Well 777
COC:

WorkOrder: S1209376
CollectionDate: 9/18/2012
DateReceived: 9/21/2012 11:15:00 AM
FieldSampler: BB
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | EPA 200.7 | 09/24/2012 1711 | DG |
| Arsenic | 0.006 | mg/L | | 0.001 | EPA 200.8 | 09/21/2012 1958 | MS |
| Barium | 0.2 | mg/L | | 0.1 | EPA 200.8 | 09/21/2012 1958 | MS |
| Boron | ND | mg/L | | 0.1 | EPA 200.7 | 09/24/2012 1711 | DG |
| Cadmium | ND | mg/L | | 0.005 | EPA 200.8 | 09/21/2012 1958 | MS |
| Chromium | ND | mg/L | | 0.05 | EPA 200.7 | 09/24/2012 1711 | DG |
| Copper | ND | mg/L | | 0.1 | EPA 200.8 | 09/21/2012 1958 | MS |
| Iron | ND | mg/L | | 0.05 | EPA 200.7 | 09/24/2012 1711 | DG |
| Lead | ND | mg/L | | 0.05 | EPA 200.8 | 09/21/2012 1958 | MS |
| Manganese | ND | mg/L | | 0.01 | EPA 200.7 | 09/24/2012 1711 | DG |
| Mercury | ND | mg/L | | 0.001 | EPA 245.1 | 09/25/2012 1136 | CS |
| Molybdenum | ND | mg/L | | 0.1 | EPA 200.8 | 09/21/2012 1958 | MS |
| Nickel | ND | mg/L | | 0.05 | EPA 200.7 | 09/24/2012 1711 | DG |
| Selenium | ND | mg/L | | 0.001 | EPA 200.8 | 09/21/2012 1958 | MS |
| Uranium | 0.0148 | mg/L | | 0.0003 | EPA 200.8 | 09/21/2012 1958 | MS |
| Uranium Activity | 10.0 | pCi/L | | 0.2 | Calculation | 10/23/2012 1434 | WN |
| Vanadium | ND | mg/L | | 0.02 | EPA 200.8 | 09/21/2012 1958 | MS |
| Zinc | ND | mg/L | | 0.01 | EPA 200.7 | 09/24/2012 1711 | DG |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 09/28/2012 2219 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 10/23/2012 1434 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | 3.0 | pCi/L | | 1 | OTW01 | 10/15/2012 1451 | SH |
| Lead 210 Precision (±) | 0.6 | pCi/L | | | OTW01 | 10/15/2012 1451 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/22/2012 1804 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/22/2012 1804 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/12/2012 1334 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/12/2012 1334 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 10/05/2012 1225 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 10/05/2012 1225 | MB |
| Thorium 229 Tracer (30-120) | 87.7 | % | | 0.2 | ACW10 | 10/05/2012 1225 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

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- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 10/24/2012
Report ID: S1209376001

ProjectName: Marsland Private Wells 3rd Qtr 2012
Lab ID: S1209376-004
ClientSample ID: Well 777
COC:

WorkOrder: S1209376
CollectionDate: 9/18/2012
DateReceived: 9/21/2012 11:15:00 AM
FieldSampler: BB
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|-----|--------------|--------------------|----|
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | 1.5 | pCi/L | B | 1 | OTW01 | 10/19/2012 1302 | SH |
| Lead 210 Precision (±) | 0.5 | pCi/L | B | | OTW01 | 10/19/2012 1302 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/18/2012 1217 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/18/2012 1217 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/12/2012 1557 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/12/2012 1557 | SH |
| Thorium 230 | 0.2 | pCi/L | | 0.2 | ACW10 | 10/12/2012 1314 | MB |
| Thorium 230 Precision (±) | 0.1 | pCi/L | | | ACW10 | 10/12/2012 1314 | MB |
| Thorium 229 Tracer (30-120) | 70.1 | % | | 0.2 | ACW10 | 10/12/2012 1314 | MB |

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RL - Reporting Limit

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L Analyzed by a contract laboratory
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S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
M Value exceeds Monthly Ave or MCL
O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager



Inter-Mountain Labs

Your Environmental Monitoring Partner

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 10/24/2012
Report ID: S1209376001

ProjectName: Marsland Private Wells 3rd Qtr 2012
Lab ID: S1209376-008
ClientSample ID: Well 788
COC:

WorkOrder: S1209376
CollectionDate: 9/18/2012
DateReceived: 9/21/2012 11:15:00 AM
FieldSampler: BB
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|---|--------|----------|------|------|-------------|---------------------|
| Anions/Cations | | | | | | |
| Alkalinity, Total (As CaCO ₃) | 148 | mg/L | | 5 | SM 2320B | 10/02/2012 1307 KV |
| Alkalinity, Bicarbonate as HCO ₃ | 180 | mg/L | | 5 | SM 2320B | 10/02/2012 1307 KV |
| Alkalinity, Carbonate as CO ₃ | ND | mg/L | | 5 | SM 2320B | 10/02/2012 1307 KV |
| Chloride | 3 | mg/L | | 1 | EPA 300.0 | 10/02/2012 1604 AM |
| Fluoride | 0.4 | mg/L | | 0.1 | SM 4500FC | 09/22/2012 2358 KV |
| Nitrogen, Nitrate+Nitrite (as N) | 3.7 | mg/L | | 0.1 | EPA 353.2 | 09/24/2012 1633 RH |
| Sulfate | 6 | mg/L | | 1 | EPA 300.0 | 10/02/2012 1604 AM |
| Calcium | 32 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1735 DG |
| Magnesium | 9 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1735 DG |
| Potassium | 4 | mg/L | | 1 | EPA 200.7 | 10/02/2012 1542 DG |
| Sodium | 19 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1735 DG |
| Nitrogen, Ammonia (As N) | 0.2 | mg/L | | 0.1 | EPA 350.1 | 09/25/2012 1541 RH |
| Silica as SiO ₂ | 62 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1735 DG |
| General Parameters | | | | | | |
| pH | 8.4 | s.u. | | 0.1 | SM 4500 H B | 09/22/2012 2358 KV |
| Electrical Conductivity | 305 | µmhos/cm | | 1 | SM 2510B | 09/22/2012 2358 KV |
| Total Dissolved Solids (180) | 230 | mg/L | | 10 | SM 2540 | 09/21/2012 1622 JCG |
| Data Quality | | | | | | |
| Cation Sum | 3.23 | meq/L | | 0.01 | SM 1030E | 10/10/2012 1149 LJK |
| Anion Sum | 3.46 | meq/L | | 0.01 | SM 1030E | 10/10/2012 1149 LJK |
| Cation-Anion Balance (± 5%) | 3.40 | % | | 0.01 | SM 1030E | 10/10/2012 1149 LJK |
| Solids, Total Dissolved (Calc) | 240 | mg/L | | 10 | SM 1030E | 10/10/2012 1149 LJK |
| Calculated TDS/TDS Ratio (0.80-1.20) | 0.96 | dec. % | | 0.01 | Calculation | 10/23/2012 1434 WN |

These results apply only to the samples tested.

RL - Reporting Limit

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Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Inter-Mountain Labs

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 10/24/2012
Report ID: S1209376001

ProjectName: Marsland Private Wells 3rd Qtr 2012
Lab ID: S1209376-008
ClientSample ID: Well 788
COC:

WorkOrder: S1209376
CollectionDate: 9/18/2012
DateReceived: 9/21/2012 11:15:00 AM
FieldSampler: BB
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | EPA 200.7 | 09/24/2012 1735 | DG |
| Arsenic | 0.002 | mg/L | | 0.001 | EPA 200.8 | 09/21/2012 2028 | MS |
| Barium | ND | mg/L | | 0.1 | EPA 200.8 | 09/21/2012 2028 | MS |
| Boron | ND | mg/L | | 0.1 | EPA 200.7 | 09/24/2012 1735 | DG |
| Cadmium | ND | mg/L | | 0.005 | EPA 200.8 | 09/21/2012 2028 | MS |
| Chromium | ND | mg/L | | 0.05 | EPA 200.7 | 09/24/2012 1735 | DG |
| Copper | ND | mg/L | | 0.1 | EPA 200.8 | 09/21/2012 2028 | MS |
| Iron | 0.07 | mg/L | | 0.05 | EPA 200.7 | 09/24/2012 1735 | DG |
| Lead | ND | mg/L | | 0.05 | EPA 200.8 | 09/21/2012 2028 | MS |
| Manganese | ND | mg/L | | 0.01 | EPA 200.7 | 09/24/2012 1735 | DG |
| Mercury | ND | mg/L | | 0.001 | EPA 245.1 | 09/25/2012 1157 | CS |
| Molybdenum | ND | mg/L | | 0.1 | EPA 200.8 | 09/21/2012 2028 | MS |
| Nickel | ND | mg/L | | 0.05 | EPA 200.7 | 09/24/2012 1735 | DG |
| Selenium | ND | mg/L | | 0.001 | EPA 200.8 | 09/21/2012 2028 | MS |
| Uranium | 0.0069 | mg/L | | 0.0003 | EPA 200.8 | 09/21/2012 2028 | MS |
| Uranium Activity | 4.7 | pCi/L | | 0.2 | Calculation | 10/23/2012 1434 | WN |
| Vanadium | ND | mg/L | | 0.02 | EPA 200.8 | 09/21/2012 2028 | MS |
| Zinc | 0.11 | mg/L | | 0.01 | EPA 200.7 | 09/24/2012 1735 | DG |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 09/28/2012 2239 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 10/23/2012 1434 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | 1.7 | pCi/L | | 1 | OTW01 | 10/15/2012 1451 | SH |
| Lead 210 Precision (±) | 0.6 | pCi/L | | | OTW01 | 10/15/2012 1451 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/22/2012 1804 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/22/2012 1804 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/12/2012 1334 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/12/2012 1334 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 10/08/2012 928 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 10/08/2012 928 | MB |
| Thorium 229 Tracer (30-120) | 89.8 | % | | 0.2 | ACW10 | 10/08/2012 928 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

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- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Inter-Mountain Labs

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 10/24/2012
Report ID: S1209376001

ProjectName: Marsland Private Wells 3rd Qtr 2012
Lab ID: S1209376-008
ClientSample ID: Well 788
COC:

WorkOrder: S1209376
CollectionDate: 9/18/2012
DateReceived: 9/21/2012 11:15:00 AM
FieldSampler: BB
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|----------------------------------|--------|-------|------|-----|--------------|--------------------|
| Radionuclides - Suspended | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 10/19/2012 1302 SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/19/2012 1302 SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/18/2012 1217 SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/18/2012 1217 SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/12/2012 1557 SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/12/2012 1557 SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 10/13/2012 756 MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 10/13/2012 756 MB |
| Thorium 229 Tracer (30-120) | 63.9 | % | | 0.2 | ACW10 | 10/13/2012 756 MB |

These results apply only to the samples tested.**RL - Reporting Limit**

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 10/5/2012
Report ID: S1209161001

ProjectName: Marsland Private Wells 3rd Qtr 2012
Lab ID: S1209161-003
ClientSample ID: Well 794
COC: WEB

WorkOrder: S1209161
CollectionDate: 9/6/2012
DateReceived: 9/11/2012 11:52:00 AM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Uranium | 0.0063 | mg/L | | 0.0003 | EPA 200.8 | 09/12/2012 1431 | MS |
| Uranium Activity | 4.3 | pCi/L | | 0.2 | Calculation | 10/05/2012 1435 | WN |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 09/18/2012 2219 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 10/05/2012 1435 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | 1.9 | pCi/L | | 1 | OTW01 | 09/27/2012 1507 | SH |
| Lead 210 Precision (±) | 0.6 | pCi/L | | | OTW01 | 09/27/2012 1507 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 09/27/2012 1243 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 09/27/2012 1243 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 09/26/2012 1634 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 09/26/2012 1634 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 09/25/2012 902 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 09/25/2012 902 | MB |
| Thorium 229 Tracer (30-120) | 72.8 | % | | 0.2 | ACW10 | 09/25/2012 902 | MB |
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 10/03/2012 1448 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/03/2012 1448 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/03/2012 1134 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/03/2012 1134 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/02/2012 1551 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/02/2012 1551 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 09/25/2012 000 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 09/25/2012 000 | MB |
| Thorium 229 Tracer (30-120) | 72.5 | % | | 0.2 | ACW10 | 09/25/2012 000 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 189
Crawford, NE 69339

Date Reported 10/5/2012
Report ID: S1209161001

ProjectName: Marsland Private Wells 3rd Qtr 2012
Lab ID: S1209161-002
ClientSample ID: Well 795
COC: WEB

WorkOrder: S1209161
CollectionDate: 9/6/2012
DateReceived: 9/11/2012 11:52:00 AM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Uranium | 0.0058 | mg/L | | 0.0003 | EPA 200.8 | 09/12/2012 1426 | MS |
| Uranium Activity | 3.9 | pCi/L | | 0.2 | Calculation | 10/05/2012 1435 | WN |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 09/18/2012 2214 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 10/05/2012 1435 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | 1.2 | pCi/L | | 1 | OTW01 | 09/27/2012 1507 | SH |
| Lead 210 Precision (±) | 0.5 | pCi/L | | | OTW01 | 09/27/2012 1507 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 09/27/2012 1243 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 09/27/2012 1243 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 09/26/2012 1634 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 09/26/2012 1634 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 09/25/2012 902 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 09/25/2012 902 | MB |
| Thorium 229 Tracer (30-120) | 74.9 | % | | 0.2 | ACW10 | 09/25/2012 902 | MB |
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | 1.1 | pCi/L | | 1 | OTW01 | 10/03/2012 1448 | SH |
| Lead 210 Precision (±) | 0.5 | pCi/L | | | OTW01 | 10/03/2012 1448 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/03/2012 1134 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/03/2012 1134 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/02/2012 1551 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/02/2012 1551 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 09/25/2012 000 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 09/25/2012 000 | MB |
| Thorium 229 Tracer (30-120) | 73.5 | % | | 0.2 | ACW10 | 09/25/2012 000 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Inter-Mountain Labs

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Your Environmental Monitoring Partner

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 10/24/2012
Report ID: S1209376001

ProjectName: Marsland Private Wells 3rd Qtr 2012
Lab ID: S1209376-010
ClientSample ID: Well 799
COC:

WorkOrder: S1209376
CollectionDate: 9/18/2012
DateReceived: 9/21/2012 11:15:00 AM
FieldSampler: BB
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|---|--------|----------|------|------|-------------|---------------------|
| Anions/Cations | | | | | | |
| Alkalinity, Total (As CaCO ₃) | 173 | mg/L | | 5 | SM 2320B | 09/23/2012 022 KV |
| Alkalinity, Bicarbonate as HCO ₃ | 199 | mg/L | | 5 | SM 2320B | 09/23/2012 022 KV |
| Alkalinity, Carbonate as CO ₃ | 6 | mg/L | | 5 | SM 2320B | 09/23/2012 022 KV |
| Chloride | 3 | mg/L | | 1 | EPA 300.0 | 09/24/2012 2215 AM |
| Fluoride | 0.4 | mg/L | | 0.1 | SM 4500FC | 09/23/2012 022 KV |
| Nitrogen, Nitrate+Nitrite (as N) | 0.9 | mg/L | | 0.1 | EPA 353.2 | 09/24/2012 1635 RH |
| Sulfate | 5 | mg/L | | 1 | EPA 300.0 | 09/24/2012 2215 AM |
| Calcium | 45 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1739 DG |
| Magnesium | 10 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1739 DG |
| Potassium | 3 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1739 DG |
| Sodium | 8 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1739 DG |
| Nitrogen, Ammonia (As N) | ND | mg/L | | 0.1 | EPA 350.1 | 09/25/2012 1543 RH |
| Silica as SiO ₂ | 63 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1739 DG |
| General Parameters | | | | | | |
| pH | 8.5 | s.u. | | 0.1 | SM 4500 H B | 09/23/2012 022 KV |
| Electrical Conductivity | 314 | µmhos/cm | | 1 | SM 2510B | 09/23/2012 022 KV |
| Total Dissolved Solids (180) | 240 | mg/L | | 10 | SM 2540 | 09/21/2012 1624 JCG |
| Data Quality | | | | | | |
| Cation Sum | 3.47 | meq/L | | 0.01 | SM 1030E | 10/10/2012 1149 LJK |
| Anion Sum | 3.74 | meq/L | | 0.01 | SM 1030E | 10/10/2012 1149 LJK |
| Cation-Anion Balance (± 5%) | 3.66 | % | | 0.01 | SM 1030E | 10/10/2012 1149 LJK |
| Solids, Total Dissolved (Calc) | 250 | mg/L | | 10 | SM 1030E | 10/10/2012 1149 LJK |
| Calculated TDS/TDS Ratio (0.80-1.20) | 0.96 | dec. % | | 0.01 | Calculation | 10/23/2012 1434 WN |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

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- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Inter-Mountain Labs

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 10/24/2012
Report ID: S1209376001

ProjectName: Marsland Private Wells 3rd Qtr 2012
Lab ID: S1209376-010
ClientSample ID: Well 799
COC:

WorkOrder: S1209376
CollectionDate: 9/18/2012
DateReceived: 9/21/2012 11:15:00 AM
FieldSampler: BB
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|
| Metals - Dissolved | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | EPA 200.7 | 09/24/2012 1739 DG |
| Arsenic | 0.004 | mg/L | | 0.001 | EPA 200.8 | 09/21/2012 2038 MS |
| Barium | ND | mg/L | | 0.1 | EPA 200.8 | 09/21/2012 2038 MS |
| Boron | ND | mg/L | | 0.1 | EPA 200.7 | 09/24/2012 1739 DG |
| Cadmium | ND | mg/L | | 0.005 | EPA 200.8 | 09/21/2012 2038 MS |
| Chromium | ND | mg/L | | 0.05 | EPA 200.7 | 09/24/2012 1739 DG |
| Copper | ND | mg/L | | 0.1 | EPA 200.8 | 09/21/2012 2038 MS |
| Iron | ND | mg/L | | 0.05 | EPA 200.7 | 09/24/2012 1739 DG |
| Lead | ND | mg/L | | 0.05 | EPA 200.8 | 09/21/2012 2038 MS |
| Manganese | ND | mg/L | | 0.01 | EPA 200.7 | 09/24/2012 1739 DG |
| Mercury | ND | mg/L | | 0.001 | EPA 245.1 | 09/25/2012 1200 CS |
| Molybdenum | ND | mg/L | | 0.1 | EPA 200.8 | 09/21/2012 2038 MS |
| Nickel | ND | mg/L | | 0.05 | EPA 200.7 | 09/24/2012 1739 DG |
| Selenium | ND | mg/L | | 0.001 | EPA 200.8 | 09/21/2012 2038 MS |
| Uranium | 0.0079 | mg/L | | 0.0003 | EPA 200.8 | 09/21/2012 2038 MS |
| Uranium Activity | 5.4 | pCi/L | | 0.2 | Calculation | 10/23/2012 1434 WN |
| Vanadium | ND | mg/L | | 0.02 | EPA 200.8 | 09/21/2012 2038 MS |
| Zinc | 0.06 | mg/L | | 0.01 | EPA 200.7 | 09/24/2012 1739 DG |
| Metals - Suspended | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 09/28/2012 2249 MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 10/23/2012 1434 WN |
| Radionuclides - Dissolved | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 10/15/2012 1451 SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/15/2012 1451 SH |
| Polonium 210 | 1.2 | pCi/L | | 1 | OTW01 | 10/22/2012 1804 SH |
| Polonium 210 Precision (±) | 0.8 | pCi/L | | | OTW01 | 10/22/2012 1804 SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/12/2012 1334 SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/12/2012 1334 SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 10/08/2012 928 MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 10/08/2012 928 MB |
| Thorium 229 Tracer (30-120) | 91.1 | % | | 0.2 | ACW10 | 10/08/2012 928 MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager

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Inter-Mountain Labs

Your Environmental Monitoring Partner

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 10/24/2012
Report ID: S1209376001

ProjectName: Marsland Private Wells 3rd Qtr 2012
Lab ID: S1209376-010
ClientSample ID: Well 799
COC:

WorkOrder: S1209376
CollectionDate: 9/18/2012
DateReceived: 9/21/2012 11:15:00 AM
FieldSampler: BB
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|-----|--------------|--------------------|----|
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | 1.1 | pCi/L | B | 1 | OTW01 | 10/19/2012 1302 | SH |
| Lead 210 Precision (±) | 0.4 | pCi/L | B | | OTW01 | 10/19/2012 1302 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/18/2012 1217 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/18/2012 1217 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/12/2012 1557 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/12/2012 1557 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 10/13/2012 756 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 10/13/2012 756 | MB |
| Thorium 229 Tracer (30-120) | 56.6 | % | | 0.2 | ACW10 | 10/13/2012 756 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager

Page 30 of 60



Inter-Mountain Labs

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 10/24/2012
Report ID: S1209376001

ProjectName: Marsland Private Wells 3rd Qtr 2012
Lab ID: S1209376-011
ClientSample ID: Well 802
COC:

WorkOrder: S1209376
CollectionDate: 9/18/2012
DateReceived: 9/21/2012 11:15:00 AM
FieldSampler: BB
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|---|--------|----------|------|------|-------------|---------------------|
| Anions/Cations | | | | | | |
| Alkalinity, Total (As CaCO ₃) | 161 | mg/L | | 5 | SM 2320B | 09/23/2012 034 KV |
| Alkalinity, Bicarbonate as HCO ₃ | 190 | mg/L | | 5 | SM 2320B | 09/23/2012 034 KV |
| Alkalinity, Carbonate as CO ₃ | ND | mg/L | | 5 | SM 2320B | 09/23/2012 034 KV |
| Chloride | 3 | mg/L | | 1 | EPA 300.0 | 09/24/2012 2228 AM |
| Fluoride | 0.5 | mg/L | | 0.1 | SM 4500FC | 09/23/2012 034 KV |
| Nitrogen, Nitrate+Nitrite (as N) | 2.7 | mg/L | | 0.1 | EPA 353.2 | 09/24/2012 1636 RH |
| Sulfate | 3 | mg/L | | 1 | EPA 300.0 | 09/24/2012 2228 AM |
| Calcium | 45 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1742 DG |
| Magnesium | 8 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1742 DG |
| Potassium | 2 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1742 DG |
| Sodium | 8 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1742 DG |
| Nitrogen, Ammonia (As N) | ND | mg/L | | 0.1 | EPA 350.1 | 09/25/2012 1544 RH |
| Silica as SiO ₂ | 61 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1742 DG |
| General Parameters | | | | | | |
| pH | 8.4 | s.u. | | 0.1 | SM 4500 H B | 09/23/2012 034 KV |
| Electrical Conductivity | 298 | µmhos/cm | | 1 | SM 2510B | 09/23/2012 034 KV |
| Total Dissolved Solids (180) | 220 | mg/L | | 10 | SM 2540 | 09/21/2012 1625 JCG |
| Data Quality | | | | | | |
| Cation Sum | 3.29 | meq/L | | 0.01 | SM 1030E | 10/10/2012 1149 LJK |
| Anion Sum | 3.58 | meq/L | | 0.01 | SM 1030E | 10/10/2012 1149 LJK |
| Cation-Anion Balance (± 5%) | 4.27 | % | | 0.01 | SM 1030E | 10/10/2012 1149 LJK |
| Solids, Total Dissolved (Calc) | 240 | mg/L | | 10 | SM 1030E | 10/10/2012 1149 LJK |
| Calculated TDS/TDS Ratio (0.80-1.20) | 0.92 | dec. % | | 0.01 | Calculation | 10/23/2012 1434 WN |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager



Inter-Mountain Labs

Your Environmental Monitoring Partner

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 10/24/2012
Report ID: S1209376001

ProjectName: Marsland Private Wells 3rd Qtr 2012
Lab ID: S1209376-011
ClientSample ID: Well 802
COC:

WorkOrder: S1209376
CollectionDate: 9/18/2012
DateReceived: 9/21/2012 11:15:00 AM
FieldSampler: BB
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|
| Metals - Dissolved | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | EPA 200.7 | 09/24/2012 1742 DG |
| Arsenic | 0.003 | mg/L | | 0.001 | EPA 200.8 | 09/21/2012 2043 MS |
| Barium | ND | mg/L | | 0.1 | EPA 200.8 | 09/21/2012 2043 MS |
| Boron | ND | mg/L | | 0.1 | EPA 200.7 | 09/24/2012 1742 DG |
| Cadmium | ND | mg/L | | 0.005 | EPA 200.8 | 09/21/2012 2043 MS |
| Chromium | ND | mg/L | | 0.05 | EPA 200.7 | 09/24/2012 1742 DG |
| Copper | ND | mg/L | | 0.1 | EPA 200.8 | 09/21/2012 2043 MS |
| Iron | 0.09 | mg/L | | 0.05 | EPA 200.7 | 09/24/2012 1742 DG |
| Lead | ND | mg/L | | 0.05 | EPA 200.8 | 09/21/2012 2043 MS |
| Manganese | ND | mg/L | | 0.01 | EPA 200.7 | 09/24/2012 1742 DG |
| Mercury | ND | mg/L | | 0.001 | EPA 245.1 | 09/25/2012 1202 CS |
| Molybdenum | ND | mg/L | | 0.1 | EPA 200.8 | 09/21/2012 2043 MS |
| Nickel | ND | mg/L | | 0.05 | EPA 200.7 | 09/24/2012 1742 DG |
| Selenium | ND | mg/L | | 0.001 | EPA 200.8 | 09/21/2012 2043 MS |
| Uranium | 0.0046 | mg/L | | 0.0003 | EPA 200.8 | 09/21/2012 2043 MS |
| Uranium Activity | 3.1 | pCi/L | | 0.2 | Calculation | 10/23/2012 1434 WN |
| Vanadium | ND | mg/L | | 0.02 | EPA 200.8 | 09/21/2012 2043 MS |
| Zinc | 0.06 | mg/L | | 0.01 | EPA 200.7 | 09/24/2012 1742 DG |
| Metals - Suspended | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 09/28/2012 2254 MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 10/23/2012 1434 WN |
| Radionuclides - Dissolved | | | | | | |
| Lead 210 | 1.1 | pCi/L | | 1 | OTW01 | 10/15/2012 1451 SH |
| Lead 210 Precision (±) | 0.5 | pCi/L | | | OTW01 | 10/15/2012 1451 SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/22/2012 1804 SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/22/2012 1804 SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/10/2012 1452 SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/10/2012 1452 SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 10/08/2012 928 MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 10/08/2012 928 MB |
| Thorium 229 Tracer (30-120) | 89.4 | % | | 0.2 | ACW10 | 10/08/2012 928 MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Inter-Mountain Labs

Your Environmental Monitoring Partner

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 10/24/2012
Report ID: S1209376001

ProjectName: Marsland Private Wells 3rd Qtr 2012
Lab ID: S1209376-011
ClientSample ID: Well 802
COC:

WorkOrder: S1209376
CollectionDate: 9/18/2012
DateReceived: 9/21/2012 11:15:00 AM
FieldSampler: BB
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|----------------------------------|--------|-------|------|-----|--------------|--------------------|
| Radionuclides - Suspended | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 10/19/2012 1805 SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/19/2012 1805 SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/18/2012 1347 SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/18/2012 1347 SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/12/2012 1557 SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/12/2012 1557 SH |
| Thorium 230 | 0.2 | pCi/L | | 0.2 | ACW10 | 10/13/2012 756 MB |
| Thorium 230 Precision (±) | 0.1 | pCi/L | | | ACW10 | 10/13/2012 756 MB |
| Thorium 229 Tracer (30-120) | 71.1 | % | | 0.2 | ACW10 | 10/13/2012 756 MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 10/24/2012
Report ID: S1209376001

ProjectName: Marsland Private Wells 3rd Qtr 2012
Lab ID: S1209376-017
ClientSample ID: Well 809
COC:

WorkOrder: S1209376
CollectionDate: 9/18/2012
DateReceived: 9/21/2012 11:15:00 AM
FieldSampler: BB
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|---|--------|----------|------|------|-------------|---------------------|
| Anions/Cations | | | | | | |
| Alkalinity, Total (As CaCO ₃) | 170 | mg/L | | 5 | SM 2320B | 09/23/2012 158 KV |
| Alkalinity, Bicarbonate as HCO ₃ | 198 | mg/L | | 5 | SM 2320B | 09/23/2012 158 KV |
| Alkalinity, Carbonate as CO ₃ | ND | mg/L | | 5 | SM 2320B | 09/23/2012 158 KV |
| Chloride | 3 | mg/L | | 1 | EPA 300.0 | 09/25/2012 044 AM |
| Fluoride | 0.8 | mg/L | | 0.1 | SM 4500FC | 09/23/2012 158 KV |
| Nitrogen, Nitrate+Nitrite (as N) | 0.8 | mg/L | | 0.1 | EPA 353.2 | 09/25/2012 1301 RH |
| Sulfate | 4 | mg/L | | 1 | EPA 300.0 | 09/25/2012 044 AM |
| Calcium | 37 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1810 DG |
| Magnesium | 9 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1810 DG |
| Potassium | 5 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1810 DG |
| Sodium | 17 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1810 DG |
| Nitrogen, Ammonia (As N) | ND | mg/L | | 0.1 | EPA 350.1 | 09/25/2012 1427 RH |
| Silica as SiO ₂ | 62 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1810 DG |
| General Parameters | | | | | | |
| pH | 8.4 | s.u. | | 0.1 | SM 4500 H B | 09/23/2012 158 KV |
| Electrical Conductivity | 313 | µmhos/cm | | 1 | SM 2510B | 09/23/2012 158 KV |
| Total Dissolved Solids (180) | 240 | mg/L | | 10 | SM 2540 | 09/21/2012 1631 JCG |
| Data Quality | | | | | | |
| Cation Sum | 3.45 | meq/L | | 0.01 | SM 1030E | 10/10/2012 1149 LJK |
| Anion Sum | 3.67 | meq/L | | 0.01 | SM 1030E | 10/10/2012 1149 LJK |
| Cation-Anion Balance (± 5%) | 3.10 | % | | 0.01 | SM 1030E | 10/10/2012 1149 LJK |
| Solids, Total Dissolved (Calc) | 240 | mg/L | | 10 | SM 1030E | 10/10/2012 1149 LJK |
| Calculated TDS/TDS Ratio (0.80-1.20) | 1.00 | dec. % | | 0.01 | Calculation | 10/23/2012 1434 WN |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 10/24/2012
Report ID: S1209376001

ProjectName: Marsland Private Wells 3rd Qtr 2012
Lab ID: S1209376-017
ClientSample ID: Well 809
COC:

WorkOrder: S1209376
CollectionDate: 9/18/2012
DateReceived: 9/21/2012 11:15:00 AM
FieldSampler: BB
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|
| Metals - Dissolved | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | EPA 200.7 | 09/24/2012 1810 DG |
| Arsenic | 0.006 | mg/L | | 0.001 | EPA 200.8 | 09/21/2012 2137 MS |
| Barium | ND | mg/L | | 0.1 | EPA 200.8 | 09/21/2012 2137 MS |
| Boron | ND | mg/L | | 0.1 | EPA 200.7 | 09/24/2012 1810 DG |
| Cadmium | ND | mg/L | | 0.005 | EPA 200.8 | 09/21/2012 2137 MS |
| Chromium | ND | mg/L | | 0.05 | EPA 200.7 | 09/24/2012 1810 DG |
| Copper | ND | mg/L | | 0.1 | EPA 200.8 | 09/21/2012 2137 MS |
| Iron | 0.07 | mg/L | | 0.05 | EPA 200.7 | 09/24/2012 1810 DG |
| Lead | ND | mg/L | | 0.05 | EPA 200.8 | 09/21/2012 2137 MS |
| Manganese | 0.01 | mg/L | | 0.01 | EPA 200.7 | 09/24/2012 1810 DG |
| Mercury | ND | mg/L | | 0.001 | EPA 245.1 | 09/25/2012 1223 CS |
| Molybdenum | ND | mg/L | | 0.1 | EPA 200.8 | 09/21/2012 2137 MS |
| Nickel | ND | mg/L | | 0.05 | EPA 200.7 | 09/24/2012 1810 DG |
| Selenium | ND | mg/L | | 0.001 | EPA 200.8 | 09/21/2012 2137 MS |
| Uranium | 0.0083 | mg/L | | 0.0003 | EPA 200.8 | 09/21/2012 2137 MS |
| Uranium Activity | 5.6 | pCi/L | | 0.2 | Calculation | 10/23/2012 1434 WN |
| Vanadium | ND | mg/L | | 0.02 | EPA 200.8 | 09/21/2012 2137 MS |
| Zinc | 0.30 | mg/L | | 0.01 | EPA 200.7 | 09/24/2012 1810 DG |
| Metals - Suspended | | | | | | |
| Uranium | 0.0004 | mg/L | | 0.0003 | EPA 200.8 | 09/28/2012 2348 MS |
| Uranium Activity | 0.3 | pCi/L | | 0.2 | Calculation | 10/23/2012 1434 WN |
| Radionuclides - Dissolved | | | | | | |
| Lead 210 | 1.6 | pCi/L | | 1 | OTW01 | 10/15/2012 1702 SH |
| Lead 210 Precision (±) | 0.5 | pCi/L | | | OTW01 | 10/15/2012 1702 SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/22/2012 1913 SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/22/2012 1913 SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/10/2012 1452 SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/10/2012 1452 SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 10/09/2012 838 MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 10/09/2012 838 MB |
| Thorium 229 Tracer (30-120) | 86.2 | % | | 0.2 | ACW10 | 10/09/2012 838 MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Inter-Mountain Labs

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Your Environmental Monitoring Partner

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 10/24/2012
Report ID: S1209376001

ProjectName: Marsland Private Wells 3rd Qtr 2012
Lab ID: S1209376-017
ClientSample ID: Well 809
COC:

WorkOrder: S1209376
CollectionDate: 9/18/2012
DateReceived: 9/21/2012 11:15:00 AM
FieldSampler: BB
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|----------------------------------|--------|-------|------|-----|--------------|--------------------|
| Radionuclides - Suspended | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 10/19/2012 1805 SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/19/2012 1805 SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/18/2012 1347 SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/18/2012 1347 SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/12/2012 1806 SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/12/2012 1806 SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 10/13/2012 1205 MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 10/13/2012 1205 MB |
| Thorium 229 Tracer (30-120) | 68.7 | % | | 0.2 | ACW10 | 10/13/2012 1205 MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager

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Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 10/24/2012
Report ID: S1209376001

ProjectName: Marsland Private Wells 3rd Qtr 2012
Lab ID: S1209376-019
ClientSample ID: Well 810
COC:

WorkOrder: S1209376
CollectionDate: 9/18/2012
DateReceived: 9/21/2012 11:15:00 AM
FieldSampler: BB
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|---|--------|----------|------|------|-------------|---------------------|
| Anions/Cations | | | | | | |
| Alkalinity, Total (As CaCO ₃) | 171 | mg/L | | 5 | SM 2320B | 09/23/2012 223 KV |
| Alkalinity, Bicarbonate as HCO ₃ | 201 | mg/L | | 5 | SM 2320B | 09/23/2012 223 KV |
| Alkalinity, Carbonate as CO ₃ | ND | mg/L | | 5 | SM 2320B | 09/23/2012 223 KV |
| Chloride | 4 | mg/L | | 1 | EPA 300.0 | 09/25/2012 108 AM |
| Fluoride | 0.9 | mg/L | | 0.1 | SM 4500FC | 09/23/2012 223 KV |
| Nitrogen, Nitrate+Nitrite (as N) | 0.9 | mg/L | | 0.1 | EPA 353.2 | 09/25/2012 1304 RH |
| Sulfate | 6 | mg/L | | 1 | EPA 300.0 | 09/25/2012 108 AM |
| Calcium | 37 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1814 DG |
| Magnesium | 9 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1814 DG |
| Potassium | 5 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1814 DG |
| Sodium | 18 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1814 DG |
| Nitrogen, Ammonia (As N) | ND | mg/L | | 0.1 | EPA 350.1 | 09/25/2012 1429 RH |
| Silica as SiO ₂ | 63 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1814 DG |
| General Parameters | | | | | | |
| pH | 8.4 | s.u. | | 0.1 | SM 4500 H B | 09/23/2012 223 KV |
| Electrical Conductivity | 314 | µmhos/cm | | 1 | SM 2510B | 09/23/2012 223 KV |
| Total Dissolved Solids (180) | 240 | mg/L | | 10 | SM 2540 | 09/21/2012 1634 JCG |
| Data Quality | | | | | | |
| Cation Sum | 3.48 | meq/L | | 0.01 | SM 1030E | 10/10/2012 1149 LJK |
| Anion Sum | 3.76 | meq/L | | 0.01 | SM 1030E | 10/10/2012 1149 LJK |
| Cation-Anion Balance (± 5%) | 3.92 | % | | 0.01 | SM 1030E | 10/10/2012 1149 LJK |
| Solids, Total Dissolved (Calc) | 250 | mg/L | | 10 | SM 1030E | 10/10/2012 1149 LJK |
| Calculated TDS/TDS Ratio (0.80-1.20) | 0.96 | dec. % | | 0.01 | Calculation | 10/23/2012 1434 WN |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported: 10/24/2012
Report ID: S1209376001

ProjectName: Marsland Private Wells 3rd Qtr 2012
Lab ID: S1209376-019
ClientSample ID: Well 810
COC:

WorkOrder: S1209376
CollectionDate: 9/18/2012
DateReceived: 9/21/2012 11:15:00 AM
FieldSampler: BB
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | EPA 200.7 | 09/24/2012 1814 | DG |
| Arsenic | 0.008 | mg/L | | 0.001 | EPA 200.8 | 09/21/2012 2147 | MS |
| Barium | ND | mg/L | | 0.1 | EPA 200.8 | 09/21/2012 2147 | MS |
| Boron | ND | mg/L | | 0.1 | EPA 200.7 | 09/24/2012 1814 | DG |
| Cadmium | ND | mg/L | | 0.005 | EPA 200.8 | 09/21/2012 2147 | MS |
| Chromium | ND | mg/L | | 0.05 | EPA 200.7 | 09/24/2012 1814 | DG |
| Copper | ND | mg/L | | 0.1 | EPA 200.8 | 09/21/2012 2147 | MS |
| Iron | ND | mg/L | | 0.05 | EPA 200.7 | 09/24/2012 1814 | DG |
| Lead | ND | mg/L | | 0.05 | EPA 200.8 | 09/21/2012 2147 | MS |
| Manganese | ND | mg/L | | 0.01 | EPA 200.7 | 09/24/2012 1814 | DG |
| Mercury | ND | mg/L | | 0.001 | EPA 245.1 | 09/25/2012 1227 | CS |
| Molybdenum | ND | mg/L | | 0.1 | EPA 200.8 | 09/21/2012 2147 | MS |
| Nickel | ND | mg/L | | 0.05 | EPA 200.7 | 09/24/2012 1814 | DG |
| Selenium | ND | mg/L | | 0.001 | EPA 200.8 | 09/21/2012 2147 | MS |
| Uranium | 0.0053 | mg/L | | 0.0003 | EPA 200.8 | 09/21/2012 2147 | MS |
| Uranium Activity | 3.6 | pCi/L | | 0.2 | Calculation | 10/23/2012 1434 | WN |
| Vanadium | ND | mg/L | | 0.02 | EPA 200.8 | 09/21/2012 2147 | MS |
| Zinc | 0.18 | mg/L | | 0.01 | EPA 200.7 | 09/24/2012 1814 | DG |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 09/28/2012 2358 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 10/23/2012 1434 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 10/15/2012 1702 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/15/2012 1702 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/22/2012 1913 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/22/2012 1913 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/10/2012 1452 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/10/2012 1452 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 10/09/2012 838 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 10/09/2012 838 | MB |
| Thorium 229 Tracer (30-120) | 84.1 | % | | 0.2 | ACW10 | 10/09/2012 838 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 10/24/2012
Report ID: S1209376001

ProjectName: Marsland Private Wells 3rd Qtr 2012
Lab ID: S1209376-019
ClientSample ID: Well 810
COC:

WorkOrder: S1209376
CollectionDate: 9/18/2012
DateReceived: 9/21/2012 11:15:00 AM
FieldSampler: BB
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|----------------------------------|--------|-------|------|-----|--------------|--------------------|
| Radionuclides - Suspended | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 10/19/2012 1805 SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/19/2012 1805 SH |
| Polonium 210 | 2.1 | pCi/L | | 1 | OTW01 | 10/18/2012 1347 SH |
| Polonium 210 Precision (±) | 0.6 | pCi/L | | | OTW01 | 10/18/2012 1347 SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/12/2012 1806 SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/12/2012 1806 SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 10/13/2012 1205 MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 10/13/2012 1205 MB |
| Thorium 229 Tracer (30-120) | 75.4 | % | | 0.2 | ACW10 | 10/13/2012 1205 MB |

These results apply only to the samples tested.

RL - Reporting Limit

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds Maximum Contaminant Level | B Analyte detected in the associated Method Blank |
| | C Calculated Value | E Value above quantitation range |
| | H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| | L Analyzed by a contract laboratory | M Value exceeds Monthly Ave or MCL |
| | ND Not Detected at the Reporting Limit | O Outside the Range of Dilutions |
| | S Spike Recovery outside accepted recovery limits | |

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Inter-Mountain Labs

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 10/24/2012
Report ID: S1209376001

ProjectName: Marsland Private Wells 3rd Qtr 2012
Lab ID: S1209376-018
ClientSample ID: Well 811
COC:

WorkOrder: S1209376
CollectionDate: 9/18/2012
DateReceived: 9/21/2012 11:15:00 AM
FieldSampler: BB
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|---|--------|----------|------|------|-------------|---------------------|
| Anions/Cations | | | | | | |
| Alkalinity, Total (As CaCO ₃) | 165 | mg/L | | 5 | SM 2320B | 09/23/2012 211 KV |
| Alkalinity, Bicarbonate as HCO ₃ | 195 | mg/L | | 5 | SM 2320B | 09/23/2012 211 KV |
| Alkalinity, Carbonate as CO ₃ | ND | mg/L | | 5 | SM 2320B | 09/23/2012 211 KV |
| Chloride | 2 | mg/L | | 1 | EPA 300.0 | 09/25/2012 056 AM |
| Fluoride | 0.7 | mg/L | | 0.1 | SM 4500FC | 09/23/2012 211 KV |
| Nitrogen, Nitrate+Nitrite (as N) | 0.5 | mg/L | | 0.1 | EPA 353.2 | 09/25/2012 1303 RH |
| Sulfate | 3 | mg/L | | 1 | EPA 300.0 | 09/25/2012 056 AM |
| Calcium | 39 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1812 DG |
| Magnesium | 10 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1812 DG |
| Potassium | 5 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1812 DG |
| Sodium | 8 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1812 DG |
| Nitrogen, Ammonia (As N) | ND | mg/L | | 0.1 | EPA 350.1 | 09/25/2012 1428 RH |
| Silica as SiO ₂ | 54 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1812 DG |
| General Parameters | | | | | | |
| pH | 8.4 | s.u. | | 0.1 | SM 4500 H B | 09/23/2012 211 KV |
| Electrical Conductivity | 289 | µmhos/cm | | 1 | SM 2510B | 09/23/2012 211 KV |
| Total Dissolved Solids (180) | 220 | mg/L | | 10 | SM 2540 | 09/21/2012 1633 JCG |
| Data Quality | | | | | | |
| Cation Sum | 3.20 | meq/L | | 0.01 | SM 1030E | 10/10/2012 1149 LJK |
| Anion Sum | 3.48 | meq/L | | 0.01 | SM 1030E | 10/10/2012 1149 LJK |
| Cation-Anion Balance (± 5%) | 4.17 | % | | 0.01 | SM 1030E | 10/10/2012 1149 LJK |
| Solids, Total Dissolved (Calc) | 220 | mg/L | | 10 | SM 1030E | 10/10/2012 1149 LJK |
| Calculated TDS/TDS Ratio (0.80-1.20) | 1.00 | dec. % | | 0.01 | Calculation | 10/23/2012 1434 WN |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager



Inter-Mountain Labs

Your Environmental Monitoring Partner

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Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 10/24/2012
Report ID: S1209376001

ProjectName: Marsland Private Wells 3rd Qtr 2012
Lab ID: S1209376-018
ClientSample ID: Well 811
COC:

WorkOrder: S1209376
CollectionDate: 9/18/2012
DateReceived: 9/21/2012 11:15:00 AM
FieldSampler: BB
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | EPA 200.7 | 09/24/2012 1812 | DG |
| Arsenic | 0.003 | mg/L | | 0.001 | EPA 200.8 | 09/21/2012 2142 | MS |
| Barium | ND | mg/L | | 0.1 | EPA 200.8 | 09/21/2012 2142 | MS |
| Boron | ND | mg/L | | 0.1 | EPA 200.7 | 09/24/2012 1812 | DG |
| Cadmium | ND | mg/L | | 0.005 | EPA 200.8 | 09/21/2012 2142 | MS |
| Chromium | ND | mg/L | | 0.05 | EPA 200.7 | 09/24/2012 1812 | DG |
| Copper | ND | mg/L | | 0.1 | EPA 200.8 | 09/21/2012 2142 | MS |
| Iron | ND | mg/L | | 0.05 | EPA 200.7 | 09/24/2012 1812 | DG |
| Lead | ND | mg/L | | 0.05 | EPA 200.8 | 09/21/2012 2142 | MS |
| Manganese | ND | mg/L | | 0.01 | EPA 200.7 | 09/24/2012 1812 | DG |
| Mercury | ND | mg/L | | 0.001 | EPA 245.1 | 09/25/2012 1225 | CS |
| Molybdenum | ND | mg/L | | 0.1 | EPA 200.8 | 09/21/2012 2142 | MS |
| Nickel | ND | mg/L | | 0.05 | EPA 200.7 | 09/24/2012 1812 | DG |
| Selenium | 0.001 | mg/L | | 0.001 | EPA 200.8 | 09/21/2012 2142 | MS |
| Uranium | 0.0055 | mg/L | | 0.0003 | EPA 200.8 | 09/21/2012 2142 | MS |
| Uranium Activity | 3.7 | pCi/L | | 0.2 | Calculation | 10/23/2012 1434 | WN |
| Vanadium | ND | mg/L | | 0.02 | EPA 200.8 | 09/21/2012 2142 | MS |
| Zinc | 0.29 | mg/L | | 0.01 | EPA 200.7 | 09/24/2012 1812 | DG |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 09/28/2012 2353 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 10/23/2012 1434 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | 1.5 | pCi/L | | 1 | OTW01 | 10/15/2012 1702 | SH |
| Lead 210 Precision (±) | 0.5 | pCi/L | | | OTW01 | 10/15/2012 1702 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/22/2012 1913 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/22/2012 1913 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/10/2012 1452 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/10/2012 1452 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 10/09/2012 838 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 10/09/2012 838 | MB |
| Thorium 229 Tracer (30-120) | 88.4 | % | | 0.2 | ACW10 | 10/09/2012 838 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager

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Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 10/24/2012
Report ID: S1209376001

ProjectName: Marsland Private Wells 3rd Qtr 2012
Lab ID: S1209376-018
ClientSample ID: Well 811
COC:

WorkOrder: S1209376
CollectionDate: 9/18/2012
DateReceived: 9/21/2012 11:15:00 AM
FieldSampler: BB
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|-----|--------------|--------------------|----|
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | 1.2 | pCi/L | B | 1 | OTW01 | 10/19/2012 1805 | SH |
| Lead 210 Precision (±) | 0.4 | pCi/L | B | | OTW01 | 10/19/2012 1805 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/18/2012 1347 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/18/2012 1347 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/12/2012 1806 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/12/2012 1806 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 10/13/2012 1205 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 10/13/2012 1205 | MB |
| Thorium 229 Tracer (30-120) | 91.4 | % | | 0.2 | ACW10 | 10/13/2012 1205 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Inter-Mountain Labs

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 10/24/2012
Report ID: S1209376001

ProjectName: Marsland Private Wells 3rd Qtr 2012
Lab ID: S1209376-014
ClientSample ID: Well 815
COC:

WorkOrder: S1209376
CollectionDate: 9/18/2012
DateReceived: 9/21/2012 11:15:00 AM
FieldSampler: BB
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|---|--------|----------|------|------|-------------|---------------------|
| Anions/Cations | | | | | | |
| Alkalinity, Total (As CaCO ₃) | 168 | mg/L | | 5 | SM 2320B | 09/23/2012 110 KV |
| Alkalinity, Bicarbonate as HCO ₃ | 198 | mg/L | | 5 | SM 2320B | 09/23/2012 110 KV |
| Alkalinity, Carbonate as CO ₃ | ND | mg/L | | 5 | SM 2320B | 09/23/2012 110 KV |
| Chloride | 4 | mg/L | | 1 | EPA 300.0 | 09/24/2012 2305 AM |
| Fluoride | 0.4 | mg/L | | 0.1 | SM 4500FC | 09/23/2012 110 KV |
| Nitrogen, Nitrate+Nitrite (as N) | 5.5 | mg/L | | 0.1 | EPA 353.2 | 09/24/2012 1640 RH |
| Sulfate | 7 | mg/L | | 1 | EPA 300.0 | 09/24/2012 2305 AM |
| Calcium | 45 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1751 DG |
| Magnesium | 8 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1751 DG |
| Potassium | 3 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1751 DG |
| Sodium | 16 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1751 DG |
| Nitrogen, Ammonia (As N) | ND | mg/L | | 0.1 | EPA 350.1 | 09/25/2012 1424 RH |
| Silica as SiO ₂ | 58 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1751 DG |
| General Parameters | | | | | | |
| pH | 8.4 | s.u. | | 0.1 | SM 4500 H B | 09/23/2012 110 KV |
| Electrical Conductivity | 335 | µmhos/cm | | 1 | SM 2510B | 09/23/2012 110 KV |
| Total Dissolved Solids (180) | 260 | mg/L | | 10 | SM 2540 | 09/21/2012 1628 JCG |
| Data Quality | | | | | | |
| Cation Sum | 3.65 | meq/L | | 0.01 | SM 1030E | 10/10/2012 1149 LJK |
| Anion Sum | 4.02 | meq/L | | 0.01 | SM 1030E | 10/10/2012 1149 LJK |
| Cation-Anion Balance (± 5%) | 4.87 | % | | 0.01 | SM 1030E | 10/10/2012 1149 LJK |
| Solids, Total Dissolved (Calc) | 270 | mg/L | | 10 | SM 1030E | 10/10/2012 1149 LJK |
| Calculated TDS/TDS Ratio (0.80-1.20) | 0.96 | dec. % | | 0.01 | Calculation | 10/23/2012 1434 WN |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager

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Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 10/24/2012
Report ID: S1209376001

ProjectName: Marsland Private Wells 3rd Qtr 2012
Lab ID: S1209376-014
ClientSample ID: Well 815
COC:

WorkOrder: S1209376
CollectionDate: 9/18/2012
DateReceived: 9/21/2012 11:15:00 AM
FieldSampler: BB
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|
| Metals - Dissolved | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | EPA 200.7 | 09/24/2012 1751 DG |
| Arsenic | 0.003 | mg/L | | 0.001 | EPA 200.8 | 09/21/2012 2122 MS |
| Barium | 0.1 | mg/L | | 0.1 | EPA 200.8 | 09/21/2012 2122 MS |
| Boron | ND | mg/L | | 0.1 | EPA 200.7 | 09/24/2012 1751 DG |
| Cadmium | ND | mg/L | | 0.005 | EPA 200.8 | 09/21/2012 2122 MS |
| Chromium | ND | mg/L | | 0.05 | EPA 200.7 | 09/24/2012 1751 DG |
| Copper | ND | mg/L | | 0.1 | EPA 200.8 | 09/21/2012 2122 MS |
| Iron | ND | mg/L | | 0.05 | EPA 200.7 | 09/24/2012 1751 DG |
| Lead | ND | mg/L | | 0.05 | EPA 200.8 | 09/21/2012 2122 MS |
| Manganese | ND | mg/L | | 0.01 | EPA 200.7 | 09/24/2012 1751 DG |
| Mercury | ND | mg/L | | 0.001 | EPA 245.1 | 09/25/2012 1217 CS |
| Molybdenum | ND | mg/L | | 0.1 | EPA 200.8 | 09/21/2012 2122 MS |
| Nickel | ND | mg/L | | 0.05 | EPA 200.7 | 09/24/2012 1751 DG |
| Selenium | 0.001 | mg/L | | 0.001 | EPA 200.8 | 09/21/2012 2122 MS |
| Uranium | 0.0046 | mg/L | | 0.0003 | EPA 200.8 | 09/21/2012 2122 MS |
| Uranium Activity | 3.1 | pCi/L | | 0.2 | Calculation | 10/23/2012 1434 WN |
| Vanadium | ND | mg/L | | 0.02 | EPA 200.8 | 09/21/2012 2122 MS |
| Zinc | 0.03 | mg/L | | 0.01 | EPA 200.7 | 09/24/2012 1751 DG |
| Metals - Suspended | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 09/28/2012 2333 MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 10/23/2012 1434 WN |
| Radionuclides - Dissolved | | | | | | |
| Lead 210 | 2.3 | pCi/L | | 1 | OTW01 | 10/15/2012 1702 SH |
| Lead 210 Precision (±) | 0.5 | pCi/L | | | OTW01 | 10/15/2012 1702 SH |
| Polonium 210 | 2.9 | pCi/L | | 1 | OTW01 | 10/22/2012 1913 SH |
| Polonium 210 Precision (±) | 1.1 | pCi/L | | | OTW01 | 10/22/2012 1913 SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/10/2012 1452 SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/10/2012 1452 SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 10/09/2012 838 MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 10/09/2012 838 MB |
| Thorium 229 Tracer (30-120) | 82.2 | % | | 0.2 | ACW10 | 10/09/2012 838 MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Inter-Mountain Labs

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 10/24/2012
Report ID: S1209376001

ProjectName: Marsland Private Wells 3rd Qtr 2012
Lab ID: S1209376-014
ClientSample ID: Well 815
COC:

WorkOrder: S1209376
CollectionDate: 9/18/2012
DateReceived: 9/21/2012 11:15:00 AM
FieldSampler: BB
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|----------------------------------|--------|-------|------|-----|--------------|--------------------|
| Radionuclides - Suspended | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 10/19/2012 1805 SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/19/2012 1805 SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/18/2012 1347 SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/18/2012 1347 SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/12/2012 1806 SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/12/2012 1806 SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 10/13/2012 1205 MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 10/13/2012 1205 MB |
| Thorium 229 Tracer (30-120) | 80.2 | % | | 0.2 | ACW10 | 10/13/2012 1205 MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager

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Inter-Mountain Labs

Your Environmental Monitoring Partner

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported: 10/24/2012
Report ID: S1209376001

ProjectName: Marsland Private Wells 3rd Qtr 2012
Lab ID: S1209376-013
ClientSample ID: Well 821
COC:

WorkOrder: S1209376
CollectionDate: 9/18/2012
DateReceived: 9/21/2012 11:15:00 AM
FieldSampler: BB
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|---|--------|----------|------|------|-------------|--------------------|-----|
| Anions/Cations | | | | | | | |
| Alkalinity, Total (As CaCO ₃) | 149 | mg/L | | 5 | SM 2320B | 09/23/2012 058 | KV |
| Alkalinity, Bicarbonate as HCO ₃ | 175 | mg/L | | 5 | SM 2320B | 09/23/2012 058 | KV |
| Alkalinity, Carbonate as CO ₃ | ND | mg/L | | 5 | SM 2320B | 09/23/2012 058 | KV |
| Chloride | 4 | mg/L | | 1 | EPA 300.0 | 09/24/2012 2252 | AM |
| Fluoride | 0.5 | mg/L | | 0.1 | SM 4500FC | 09/23/2012 058 | KV |
| Nitrogen, Nitrate+Nitrite (as N) | 2.4 | mg/L | | 0.1 | EPA 353.2 | 09/24/2012 1639 | RH |
| Sulfate | 17 | mg/L | | 1 | EPA 300.0 | 09/24/2012 2252 | AM |
| Calcium | 29 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1746 | DG |
| Magnesium | 6 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1746 | DG |
| Potassium | 6 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1746 | DG |
| Sodium | 30 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1746 | DG |
| Nitrogen, Ammonia (As N) | ND | mg/L | | 0.1 | EPA 350.1 | 09/25/2012 1423 | RH |
| Silica as SiO ₂ | 62 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1746 | DG |
| General Parameters | | | | | | | |
| pH | 8.4 | s.u. | | 0.1 | SM 4500 H B | 09/23/2012 058 | KV |
| Electrical Conductivity | 321 | µmhos/cm | | 1 | SM 2510B | 09/23/2012 058 | KV |
| Total Dissolved Solids (180) | 250 | mg/L | | 10 | SM 2540 | 10/08/2012 1430 | JCG |
| Data Quality | | | | | | | |
| Cation Sum | 3.42 | meq/L | | 0.01 | SM 1030E | 10/10/2012 1149 | LJK |
| Anion Sum | 3.64 | meq/L | | 0.01 | SM 1030E | 10/10/2012 1149 | LJK |
| Cation-Anion Balance (± 5%) | 3.10 | % | | 0.01 | SM 1030E | 10/10/2012 1149 | LJK |
| Solids, Total Dissolved (Calc) | 260 | mg/L | | 10 | SM 1030E | 10/10/2012 1149 | LJK |
| Calculated TDS/TDS Ratio (0.80-1.20) | 0.96 | dec. % | | 0.01 | Calculation | 10/23/2012 1434 | WN |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager

Page 37 of 60



Inter-Mountain Labs

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported: 10/24/2012
Report ID: S1209376001

ProjectName: Marsland Private Wells 3rd Qtr 2012
Lab ID: S1209376-013
ClientSample ID: Well 821
COC:

WorkOrder: S1209376
CollectionDate: 9/18/2012
DateReceived: 9/21/2012 11:15:00 AM
FieldSampler: BB
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | EPA 200.7 | 09/24/2012 1746 | DG |
| Arsenic | 0.006 | mg/L | | 0.001 | EPA 200.8 | 09/21/2012 2117 | MS |
| Barium | ND | mg/L | | 0.1 | EPA 200.8 | 09/21/2012 2117 | MS |
| Boron | ND | mg/L | | 0.1 | EPA 200.7 | 09/24/2012 1746 | DG |
| Cadmium | ND | mg/L | | 0.005 | EPA 200.8 | 09/21/2012 2117 | MS |
| Chromium | ND | mg/L | | 0.05 | EPA 200.7 | 09/24/2012 1746 | DG |
| Copper | ND | mg/L | | 0.1 | EPA 200.8 | 09/21/2012 2117 | MS |
| Iron | ND | mg/L | | 0.05 | EPA 200.7 | 09/24/2012 1746 | DG |
| Lead | ND | mg/L | | 0.05 | EPA 200.8 | 09/21/2012 2117 | MS |
| Manganese | ND | mg/L | | 0.01 | EPA 200.7 | 09/24/2012 1746 | DG |
| Mercury | ND | mg/L | | 0.001 | EPA 245.1 | 09/25/2012 1210 | CS |
| Molybdenum | ND | mg/L | | 0.1 | EPA 200.8 | 09/21/2012 2117 | MS |
| Nickel | ND | mg/L | | 0.05 | EPA 200.7 | 09/24/2012 1746 | DG |
| Selenium | 0.002 | mg/L | | 0.001 | EPA 200.8 | 09/21/2012 2117 | MS |
| Uranium | 0.0053 | mg/L | | 0.0003 | EPA 200.8 | 09/21/2012 2117 | MS |
| Uranium Activity | 3.6 | pCi/L | | 0.2 | Calculation | 10/23/2012 1434 | WN |
| Vanadium | ND | mg/L | | 0.02 | EPA 200.8 | 09/21/2012 2117 | MS |
| Zinc | 0.06 | mg/L | | 0.01 | EPA 200.7 | 09/24/2012 1746 | DG |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 09/28/2012 2314 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 10/23/2012 1434 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | 1.4 | pCi/L | | 1 | OTW01 | 10/15/2012 1702 | SH |
| Lead 210 Precision (±) | 0.5 | pCi/L | | | OTW01 | 10/15/2012 1702 | SH |
| Polonium 210 | 1.0 | pCi/L | | 1 | OTW01 | 10/22/2012 1913 | SH |
| Polonium 210 Precision (±) | 0.7 | pCi/L | | | OTW01 | 10/22/2012 1913 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/10/2012 1452 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/10/2012 1452 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 10/08/2012 928 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 10/08/2012 928 | MB |
| Thorium 229 Tracer (30-120) | 75.4 | % | | 0.2 | ACW10 | 10/08/2012 928 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Inter-Mountain Labs

Your Environmental Monitoring Partner

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 10/24/2012
Report ID: S1209376001

ProjectName: Marsland Private Wells 3rd Qtr 2012
Lab ID: S1209376-013
ClientSample ID: Well 821
COC:

WorkOrder: S1209376
CollectionDate: 9/18/2012
DateReceived: 9/21/2012 11:15:00 AM
FieldSampler: BB
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|-----|--------------|--------------------|----|
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 10/19/2012 1805 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/19/2012 1805 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/18/2012 1347 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/18/2012 1347 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/12/2012 1557 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/12/2012 1557 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 10/13/2012 756 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 10/13/2012 756 | MB |
| Thorium 229 Tracer (30-120) | 69.6 | % | | 0.2 | ACW10 | 10/13/2012 756 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Inter-Mountain Labs

Your Environmental Monitoring Partner

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 10/24/2012
Report ID: S1209376001

ProjectName: Marsland Private Wells 3rd Qtr 2012
Lab ID: S1209376-001
ClientSample ID: Well 845
COC:

WorkOrder: S1209376
CollectionDate: 9/18/2012
DateReceived: 9/21/2012 11:15:00 AM
FieldSampler: BB
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|---|--------|----------|------|------|-------------|--------------------|-----|
| Anions/Cations | | | | | | | |
| Alkalinity, Total (As CaCO ₃) | 158 | mg/L | | 5 | SM 2320B | 09/22/2012 000 | KV |
| Alkalinity, Bicarbonate as HCO ₃ | 187 | mg/L | | 5 | SM 2320B | 09/22/2012 000 | KV |
| Alkalinity, Carbonate as CO ₃ | ND | mg/L | | 5 | SM 2320B | 09/22/2012 000 | KV |
| Chloride | 2 | mg/L | | 1 | EPA 300.0 | 09/24/2012 1935 | AM |
| Fluoride | 0.4 | mg/L | | 0.1 | SM 4500FC | 09/22/2012 000 | KV |
| Nitrogen, Nitrate+Nitrite (as N) | 1.4 | mg/L | | 0.1 | EPA 353.2 | 09/24/2012 1619 | RH |
| Sulfate | 7 | mg/L | | 1 | EPA 300.0 | 09/24/2012 1935 | AM |
| Calcium | 35 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1704 | DG |
| Magnesium | 7 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1704 | DG |
| Potassium | 4 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1704 | DG |
| Sodium | 18 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1704 | DG |
| Nitrogen, Ammonia (As N) | ND | mg/L | | 0.1 | EPA 350.1 | 09/25/2012 1529 | RH |
| Silica as SiO ₂ | 60 | mg/L | | 1 | EPA 200.7 | 09/24/2012 1704 | DG |
| General Parameters | | | | | | | |
| pH | 8.4 | s.u. | | 0.1 | SM 4500 H B | 09/22/2012 000 | KV |
| Electrical Conductivity | 302 | µmhos/cm | | 1 | SM 2510B | 09/22/2012 000 | KV |
| Total Dissolved Solids (180) | 250 | mg/L | | 10 | SM 2540 | 09/21/2012 1614 | JCG |
| Data Quality | | | | | | | |
| Cation Sum | 3.23 | meq/L | | 0.01 | SM 1030E | 10/10/2012 1149 | LJK |
| Anion Sum | 3.47 | meq/L | | 0.01 | SM 1030E | 10/10/2012 1149 | LJK |
| Cation-Anion Balance (± 5%) | 3.57 | % | | 0.01 | SM 1030E | 10/10/2012 1149 | LJK |
| Solids, Total Dissolved (Calc) | 230 | mg/L | | 10 | SM 1030E | 10/10/2012 1149 | LJK |
| Calculated TDS/TDS Ratio (0.80-1.20) | 1.09 | dec. % | | 0.01 | Calculation | 10/23/2012 1434 | WN |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager

Page 1 of 60



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 10/24/2012
Report ID: S1209376001

ProjectName: Marsland Private Wells 3rd Qtr 2012
Lab ID: S1209376-001
ClientSample ID: Well 845
COC:

WorkOrder: S1209376
CollectionDate: 9/18/2012
DateReceived: 9/21/2012 11:15:00 AM
FieldSampler: BB
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | EPA 200.7 | 09/24/2012 1704 | DG |
| Arsenic | 0.004 | mg/L | | 0.001 | EPA 200.8 | 09/21/2012 1929 | MS |
| Barium | 0.1 | mg/L | | 0.1 | EPA 200.8 | 09/21/2012 1929 | MS |
| Boron | ND | mg/L | | 0.1 | EPA 200.7 | 09/24/2012 1704 | DG |
| Cadmium | ND | mg/L | | 0.005 | EPA 200.8 | 09/21/2012 1929 | MS |
| Chromium | ND | mg/L | | 0.05 | EPA 200.7 | 09/24/2012 1704 | DG |
| Copper | ND | mg/L | | 0.1 | EPA 200.8 | 09/21/2012 1929 | MS |
| Iron | ND | mg/L | | 0.05 | EPA 200.7 | 09/24/2012 1704 | DG |
| Lead | ND | mg/L | | 0.05 | EPA 200.8 | 09/21/2012 1929 | MS |
| Manganese | ND | mg/L | | 0.01 | EPA 200.7 | 09/24/2012 1704 | DG |
| Mercury | ND | mg/L | | 0.001 | EPA 245.1 | 09/25/2012 1131 | CS |
| Molybdenum | ND | mg/L | | 0.1 | EPA 200.8 | 09/21/2012 1929 | MS |
| Nickel | ND | mg/L | | 0.05 | EPA 200.7 | 09/24/2012 1704 | DG |
| Selenium | ND | mg/L | | 0.001 | EPA 200.8 | 09/21/2012 1929 | MS |
| Uranium | 0.0064 | mg/L | | 0.0003 | EPA 200.8 | 09/21/2012 1929 | MS |
| Uranium Activity | 4.3 | pCi/L | | 0.2 | Calculation | 10/23/2012 1434 | WN |
| Vanadium | ND | mg/L | | 0.02 | EPA 200.8 | 09/21/2012 1929 | MS |
| Zinc | ND | mg/L | | 0.01 | EPA 200.7 | 09/24/2012 1704 | DG |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 09/28/2012 2139 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 10/23/2012 1434 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 10/08/2012 1038 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/08/2012 1038 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/04/2012 1702 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/04/2012 1702 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/12/2012 1334 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/12/2012 1334 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 10/05/2012 1225 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 10/05/2012 1225 | MB |
| Thorium 229 Tracer (30-120) | 73.2 | % | | 0.2 | ACW10 | 10/05/2012 1225 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

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- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 10/24/2012
Report ID: S1209376001

ProjectName: Marsland Private Wells 3rd Qtr 2012
Lab ID: S1209376-001
ClientSample ID: Well 845
COC:

WorkOrder: S1209376
CollectionDate: 9/18/2012
DateReceived: 9/21/2012 11:15:00 AM
FieldSampler: BB
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|-----|--------------|--------------------|----|
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | 1.1 | pCi/L | | 1 | OTW01 | 10/12/2012 1933 | SH |
| Lead 210 Precision (±) | 0.5 | pCi/L | | | OTW01 | 10/12/2012 1933 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 10/12/2012 000 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 10/12/2012 000 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500 Ra-B | 10/12/2012 1557 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500 Ra-B | 10/12/2012 1557 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 10/12/2012 1314 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 10/12/2012 1314 | MB |
| Thorium 229 Tracer (30-120) | 76.8 | % | | 0.2 | ACW10 | 10/12/2012 1314 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

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- L Analyzed by a contract laboratory
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- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported: 1/25/2013
Report ID: S1208384002
(Replaces S1208384001)

ProjectName: 3rd-Qtr, Marsland Monitor Wells
Lab ID: S1208384-011
ClientSample ID: CPW-2010-1
COC:

WorkOrder: S1208384
CollectionDate: 8/20/2012
DateReceived: 8/22/2012 10:10:00 AM
FieldSampler:
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|---|--------|----------|------|------|-------------|---------------------|
| Anions/Cations | | | | | | |
| Alkalinity, Total (As CaCO ₃) | 298 | mg/L | | 5 | SM 2320B | 08/22/2012 2216 KV |
| Alkalinity, Bicarbonate as HCO ₃ | 311 | mg/L | | 5 | SM 2320B | 08/22/2012 2216 KV |
| Alkalinity, Carbonate as CO ₃ | 26 | mg/L | | 5 | SM 2320B | 08/22/2012 2216 KV |
| Chloride | 327 | mg/L | | 1 | EPA 300.0 | 08/27/2012 1759 AMB |
| Fluoride | 0.6 | mg/L | | 0.1 | SM 4500FC | 08/22/2012 2216 KV |
| Nitrogen, Nitrate+Nitrite (as N) | ND | mg/L | | 0.1 | EPA 353.2 | 08/28/2012 1200 RH |
| Sulfate | 73 | mg/L | | 1 | EPA 300.0 | 08/25/2012 207 AMB |
| Calcium | 14 | mg/L | | 1 | EPA 200.7 | 09/01/2012 1319 BK |
| Magnesium | ND | mg/L | | 1 | EPA 200.7 | 09/01/2012 1319 BK |
| Potassium | 23 | mg/L | | 1 | EPA 200.7 | 09/01/2012 1319 BK |
| Sodium | 399 | mg/L | | 1 | EPA 200.7 | 09/01/2012 1319 BK |
| Nitrogen, Ammonia (As N) | 0.4 | mg/L | | 0.1 | EPA 350.1 | 08/23/2012 1221 RH |
| Silica as SiO ₂ | 15 | mg/L | | 1 | EPA 200.7 | 08/23/2012 1336 DG |
| General Parameters | | | | | | |
| pH | 8.9 | s.u. | | 0.1 | SM 4500 H B | 08/22/2012 2216 KV |
| Electrical Conductivity | 1740 | µmhos/cm | | 1 | SM 2510B | 08/22/2012 2216 KV |
| Total Dissolved Solids (180) | 1070 | mg/L | | 10 | SM 2540 | 08/22/2012 1447 JCG |
| Data Quality | | | | | | |
| Cation Sum | 18.64 | meq/L | | 0.01 | SM 1030E | 10/11/2012 1305 WN |
| Anion Sum | 16.99 | meq/L | | 0.01 | SM 1030E | 10/11/2012 1305 WN |
| Cation-Anion Balance (± 5%) | 4.63 | % | | 0.01 | SM 1030E | 10/11/2012 1305 WN |
| Solids, Total Dissolved (Calc) | 1030 | mg/L | | 10 | SM 1030E | 10/11/2012 1305 WN |
| Calculated TDS/TDS Ratio (0.80-1.20) | 1.04 | dec. % | | 0.01 | Calculation | 10/11/2012 1309 WN |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 1/25/2013
Report ID: S1208384002
(Replaces S1208384001)

ProjectName: 3rd-Qtr, Marsland Monitor Wells
Lab ID: S1208384-011
ClientSample ID: CPW-2010-1
COC:

WorkOrder: S1208384
CollectionDate: 8/20/2012
DateReceived: 8/22/2012 10:10:00 AM
FieldSampler:
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|
| Metals - Dissolved | | | | | | |
| Aluminum | 0.2 | mg/L | | 0.1 | EPA 200.7 | 08/23/2012 1336 DG |
| Arsenic | ND | mg/L | | 0.001 | EPA 200.8 | 08/22/2012 1723 MS |
| Barium | 0.1 | mg/L | | 0.1 | EPA 200.8 | 08/22/2012 1723 MS |
| Boron | 1.3 | mg/L | | 0.1 | EPA 200.7 | 08/23/2012 1336 DG |
| Cadmium | ND | mg/L | | 0.005 | EPA 200.8 | 08/22/2012 1723 MS |
| Chromium | ND | mg/L | | 0.05 | EPA 200.7 | 08/23/2012 1336 DG |
| Copper | ND | mg/L | | 0.1 | EPA 200.8 | 08/22/2012 1723 MS |
| Iron | ND | mg/L | | 0.05 | EPA 200.7 | 08/23/2012 1336 DG |
| Lead | ND | mg/L | | 0.05 | EPA 200.8 | 08/22/2012 1723 MS |
| Manganese | ND | mg/L | | 0.01 | EPA 200.7 | 08/23/2012 1336 DG |
| Mercury | ND | mg/L | | 0.001 | EPA 245.1 | 08/24/2012 1156 CS |
| Molybdenum | ND | mg/L | | 0.1 | EPA 200.8 | 08/22/2012 1723 MS |
| Nickel | ND | mg/L | | 0.05 | EPA 200.7 | 08/23/2012 1336 DG |
| Selenium | 0.008 | mg/L | | 0.001 | EPA 200.8 | 08/22/2012 1723 MS |
| Uranium | 0.0037 | mg/L | | 0.0003 | EPA 200.8 | 08/22/2012 1723 MS |
| Uranium Activity | 2.5 | pCi/L | | 0.2 | Calculation | 10/11/2012 1309 WN |
| Vanadium | ND | mg/L | | 0.02 | EPA 200.8 | 08/22/2012 1723 MS |
| Zinc | ND | mg/L | | 0.01 | EPA 200.7 | 08/23/2012 1336 DG |
| Metals - Suspended | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 08/29/2012 2158 MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 10/11/2012 1309 WN |
| Radionuclides - Dissolved | | | | | | |
| Lead 210 | 5.8 | pCi/L | | 1 | OTW01 | 09/25/2012 1506 SH |
| Lead 210 Precision (±) | 0.6 | pCi/L | | | OTW01 | 09/25/2012 1506 SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 09/25/2012 940 SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 09/25/2012 940 SH |
| Radium 226 | 14.3 | pCi/L | | 0.2 | SM 7500-Ra B | 09/07/2012 000 SH |
| Radium 226 Precision (±) | 0.4 | pCi/L | | | SM 7500-Ra B | 09/07/2012 000 SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 09/20/2012 1234 MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 09/20/2012 1234 MB |
| Thorium 229 Tracer (30-120) | 98.5 | % | | 0.2 | ACW10 | 09/20/2012 1234 MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 1/25/2013
Report ID: S1208384002
(Replaces S1208384001)

ProjectName: 3rd-Qtr, Marsland Monitor Wells
Lab ID: S1208384-011
ClientSample ID: CPW-2010-1
COC:

WorkOrder: S1208384
CollectionDate: 8/20/2012
DateReceived: 8/22/2012 10:10:00 AM
FieldSampler:
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|-----|--------------|--------------------|----|
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | 6.4 | pCi/L | | 1 | OTW01 | 09/26/2012 1805 | SH |
| Lead 210 Precision (±) | 0.7 | pCi/L | | | OTW01 | 09/26/2012 1805 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 09/26/2012 1440 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 09/26/2012 1440 | SH |
| Radium 226 | 3.5 | pCi/L | | 0.2 | SM 7500-Ra B | 09/18/2012 1117 | SH |
| Radium 226 Precision (±) | 0.2 | pCi/L | | | SM 7500-Ra B | 09/18/2012 1117 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 09/15/2012 935 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 09/15/2012 935 | MB |
| Thorium 229 Tracer (30-120) | 81.4 | % | | 0.2 | ACW10 | 09/15/2012 935 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported: 1/25/2013
Report ID: S1208384002
(Replaces S1208384001)

ProjectName: 3rd-Qtr, Marsland Monitor Wells
Lab ID: S1208384-009
ClientSample ID: Monitor 10
COC:

WorkOrder: S1208384
CollectionDate: 8/20/2012
DateReceived: 8/22/2012 10:10:00 AM
FieldSampler:
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|---|--------|----------|------|------|-------------|---------------------|
| Anions/Cations | | | | | | |
| Alkalinity, Total (As CaCO ₃) | 361 | mg/L | | 5 | SM 2320B | 08/22/2012 2140 KV |
| Alkalinity, Bicarbonate as HCO ₃ | 412 | mg/L | | 5 | SM 2320B | 08/22/2012 2140 KV |
| Alkalinity, Carbonate as CO ₃ | 14 | mg/L | | 5 | SM 2320B | 08/22/2012 2140 KV |
| Chloride | 137 | mg/L | | 1 | EPA 300.0 | 08/25/2012 144 AMB |
| Fluoride | 0.6 | mg/L | | 0.1 | SM 4500FC | 08/22/2012 2140 KV |
| Nitrogen, Nitrate+Nitrite (as N) | ND | mg/L | | 0.1 | EPA 353.2 | 08/28/2012 1158 RH |
| Sulfate | 300 | mg/L | | 1 | EPA 300.0 | 08/25/2012 144 AMB |
| Calcium | 7 | mg/L | | 1 | EPA 200.7 | 09/01/2012 1307 BK |
| Magnesium | 2 | mg/L | | 1 | EPA 200.7 | 09/01/2012 1307 BK |
| Potassium | 16 | mg/L | | 1 | EPA 200.7 | 09/01/2012 1307 BK |
| Sodium | 425 | mg/L | | 1 | EPA 200.7 | 09/01/2012 1307 BK |
| Nitrogen, Ammonia (As N) | 0.2 | mg/L | | 0.1 | EPA 350.1 | 08/23/2012 1219 RH |
| Silica as SiO ₂ | 16 | mg/L | | 1 | EPA 200.7 | 08/23/2012 1332 DG |
| General Parameters | | | | | | |
| pH | 8.6 | s.u. | | 0.1 | SM 4500 H B | 08/22/2012 2140 KV |
| Electrical Conductivity | 1710 | µmhos/cm | | 1 | SM 2510B | 08/22/2012 2140 KV |
| Total Dissolved Solids (180) | 1180 | mg/L | | 10 | SM 2540 | 08/22/2012 1437 JCG |
| Data Quality | | | | | | |
| Cation Sum | 19.45 | meq/L | | 0.01 | SM 1030E | 10/11/2012 1305 WN |
| Anion Sum | 17.61 | meq/L | | 0.01 | SM 1030E | 10/11/2012 1305 WN |
| Cation-Anion Balance (± 5%) | 4.96 | % | | 0.01 | SM 1030E | 10/11/2012 1305 WN |
| Solids, Total Dissolved (Calc) | 1120 | mg/L | | 10 | SM 1030E | 10/11/2012 1305 WN |
| Calculated TDS/TDS Ratio (0.80-1.20) | 1.05 | dec. % | | 0.01 | Calculation | 10/11/2012 1309 WN |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Inter-Mountain Labs

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Your Environmental Monitoring Partner

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported: 1/25/2013
Report ID: S1208384002
(Replaces S1208384001)

ProjectName: 3rd-Qtr, Marsland Monitor Wells
Lab ID: S1208384-009
ClientSample ID: Monitor 10
COC:

WorkOrder: S1208384
CollectionDate: 8/20/2012
DateReceived: 8/22/2012 10:10:00 AM
FieldSampler:
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | EPA 200.7 | 08/23/2012 1332 | DG |
| Arsenic | ND | mg/L | | 0.001 | EPA 200.8 | 08/22/2012 1658 | MS |
| Barium | ND | mg/L | | 0.1 | EPA 200.8 | 08/22/2012 1658 | MS |
| Boron | 1.5 | mg/L | | 0.1 | EPA 200.7 | 08/23/2012 1332 | DG |
| Cadmium | ND | mg/L | | 0.005 | EPA 200.8 | 08/22/2012 1658 | MS |
| Chromium | ND | mg/L | | 0.05 | EPA 200.7 | 08/23/2012 1332 | DG |
| Copper | ND | mg/L | | 0.1 | EPA 200.8 | 08/22/2012 1658 | MS |
| Iron | ND | mg/L | | 0.05 | EPA 200.7 | 08/23/2012 1332 | DG |
| Lead | ND | mg/L | | 0.05 | EPA 200.8 | 08/22/2012 1658 | MS |
| Manganese | ND | mg/L | | 0.01 | EPA 200.7 | 08/23/2012 1332 | DG |
| Mercury | ND | mg/L | | 0.001 | EPA 245.1 | 08/24/2012 1152 | CS |
| Molybdenum | ND | mg/L | | 0.1 | EPA 200.8 | 08/22/2012 1658 | MS |
| Nickel | ND | mg/L | | 0.05 | EPA 200.7 | 08/23/2012 1332 | DG |
| Selenium | ND | mg/L | | 0.001 | EPA 200.8 | 08/22/2012 1658 | MS |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 08/22/2012 1658 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 10/11/2012 1309 | WN |
| Vanadium | ND | mg/L | | 0.02 | EPA 200.8 | 08/22/2012 1658 | MS |
| Zinc | 0.04 | mg/L | | 0.01 | EPA 200.7 | 08/23/2012 1332 | DG |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 08/29/2012 2148 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 10/11/2012 1309 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 09/25/2012 1506 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 09/25/2012 1506 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 09/25/2012 940 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 09/25/2012 940 | SH |
| Radium 226 | 0.6 | pCi/L | | 0.2 | SM 7500-Ra B | 09/07/2012 000 | SH |
| Radium 226 Precision (±) | 0.1 | pCi/L | | | SM 7500-Ra B | 09/07/2012 000 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 09/20/2012 1234 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 09/20/2012 1234 | MB |
| Thorium 229 Tracer (30-120) | 80.8 | % | | 0.2 | ACW10 | 09/20/2012 1234 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Inter-Mountain Labs

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Your Environmental Monitoring Partner

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 1/25/2013
Report ID: S1208384002
(Replaces S1208384001)

ProjectName: 3rd-Qtr, Marsland Monitor Wells
Lab ID: S1208384-009
ClientSample ID: Monitor 10
COC:

WorkOrder: S1208384
CollectionDate: 8/20/2012
DateReceived: 8/22/2012 10:10:00 AM
FieldSampler:
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|----------------------------------|--------|-------|------|-----|--------------|--------------------|
| Radionuclides - Suspended | | | | | | |
| Lead 210 | 3.0 | pCi/L | | 1 | OTW01 | 09/26/2012 1805 SH |
| Lead 210 Precision (±) | 0.6 | pCi/L | | | OTW01 | 09/26/2012 1805 SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 09/26/2012 1440 SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 09/26/2012 1440 SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500-Ra B | 09/18/2012 1117 SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500-Ra B | 09/18/2012 1117 SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 09/15/2012 935 MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 09/15/2012 935 MB |
| Thorium 229 Tracer (30-120) | 74.2 | % | | 0.2 | ACW10 | 09/15/2012 935 MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 1/25/2013
Report ID: S1208384002
(Replaces S1208384001)

ProjectName: 3rd-Qtr, Marsland Monitor Wells
Lab ID: S1208384-010
ClientSample ID: Monitor 11
COC:

WorkOrder: S1208384
CollectionDate: 8/20/2012
DateReceived: 8/22/2012 10:10:00 AM
FieldSampler:
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|---|--------|----------|------|------|-------------|---------------------|
| Anions/Cations | | | | | | |
| Alkalinity, Total (As CaCO ₃) | 369 | mg/L | | 5 | SM 2320B | 08/22/2012 2204 KV |
| Alkalinity, Bicarbonate as HCO ₃ | 394 | mg/L | | 5 | SM 2320B | 08/22/2012 2204 KV |
| Alkalinity, Carbonate as CO ₃ | 28 | mg/L | | 5 | SM 2320B | 08/22/2012 2204 KV |
| Chloride | 270 | mg/L | | 1 | EPA 300.0 | 08/27/2012 1747 AMB |
| Fluoride | 0.6 | mg/L | | 0.1 | SM 4500FC | 08/22/2012 2204 KV |
| Nitrogen, Nitrate+Nitrite (as N) | ND | mg/L | | 0.1 | EPA 353.2 | 08/28/2012 1159 RH |
| Sulfate | 110 | mg/L | | 1 | EPA 300.0 | 08/25/2012 155 AMB |
| Calcium | 6 | mg/L | | 1 | EPA 200.7 | 09/01/2012 1317 BK |
| Magnesium | 1 | mg/L | | 1 | EPA 200.7 | 09/01/2012 1317 BK |
| Potassium | 26 | mg/L | | 1 | EPA 200.7 | 09/01/2012 1317 BK |
| Sodium | 414 | mg/L | | 1 | EPA 200.7 | 08/23/2012 1334 BK |
| Nitrogen, Ammonia (As N) | 0.2 | mg/L | | 0.1 | EPA 350.1 | 08/23/2012 1220 RH |
| Silica as SiO ₂ | 13 | mg/L | | 1 | EPA 200.7 | 08/23/2012 1334 DG |
| General Parameters | | | | | | |
| pH | 8.8 | s.u. | | 0.1 | SM 4500 H B | 08/22/2012 2204 KV |
| Electrical Conductivity | 1760 | µmhos/cm | | 1 | SM 2510B | 08/22/2012 2204 KV |
| Total Dissolved Solids (180) | 1120 | mg/L | | 10 | SM 2540 | 08/22/2012 1442 JCG |
| Data Quality | | | | | | |
| Cation Sum | 19.09 | meq/L | | 0.01 | SM 1030E | 10/11/2012 1305 WN |
| Anion Sum | 17.31 | meq/L | | 0.01 | SM 1030E | 10/11/2012 1305 WN |
| Cation-Anion Balance (± 5%) | 4.88 | % | | 0.01 | SM 1030E | 10/11/2012 1305 WN |
| Solids, Total Dissolved (Calc) | 1060 | mg/L | | 10 | SM 1030E | 10/11/2012 1305 WN |
| Calculated TDS/TDS Ratio (0.80-1.20) | 1.06 | dec. % | | 0.01 | Calculation | 10/11/2012 1309 WN |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Inter-Mountain Labs

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Your Environmental Monitoring Partner

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 1/25/2013
Report ID: S1208384002
(Replaces S1208384001)

ProjectName: 3rd-Qtr, Marsland Monitor Wells
Lab ID: S1208384-010
ClientSample ID: Monitor 11
COC:

WorkOrder: S1208384
CollectionDate: 8/20/2012
DateReceived: 8/22/2012 10:10:00 AM
FieldSampler:
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|
| Metals - Dissolved | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | EPA 200.7 | 08/23/2012 1334 DG |
| Arsenic | 0.002 | mg/L | | 0.001 | EPA 200.8 | 08/22/2012 1718 MS |
| Barium | ND | mg/L | | 0.1 | EPA 200.8 | 08/22/2012 1718 MS |
| Boron | 1.4 | mg/L | | 0.1 | EPA 200.7 | 08/23/2012 1334 DG |
| Cadmium | ND | mg/L | | 0.005 | EPA 200.8 | 08/22/2012 1718 MS |
| Chromium | ND | mg/L | | 0.05 | EPA 200.7 | 08/23/2012 1334 DG |
| Copper | ND | mg/L | | 0.1 | EPA 200.8 | 08/22/2012 1718 MS |
| Iron | ND | mg/L | | 0.05 | EPA 200.7 | 08/23/2012 1334 DG |
| Lead | ND | mg/L | | 0.05 | EPA 200.8 | 08/22/2012 1718 MS |
| Manganese | ND | mg/L | | 0.01 | EPA 200.7 | 08/23/2012 1334 DG |
| Mercury | ND | mg/L | | 0.001 | EPA 245.1 | 08/24/2012 1154 CS |
| Molybdenum | ND | mg/L | | 0.1 | EPA 200.8 | 08/22/2012 1718 MS |
| Nickel | ND | mg/L | | 0.05 | EPA 200.7 | 08/23/2012 1334 DG |
| Selenium | 0.006 | mg/L | | 0.001 | EPA 200.8 | 08/22/2012 1718 MS |
| Uranium | 0.0005 | mg/L | | 0.0003 | EPA 200.8 | 08/22/2012 1718 MS |
| Uranium Activity | 0.3 | pCi/L | | 0.2 | Calculation | 10/11/2012 1309 WN |
| Vanadium | ND | mg/L | | 0.02 | EPA 200.8 | 08/22/2012 1718 MS |
| Zinc | ND | mg/L | | 0.01 | EPA 200.7 | 08/23/2012 1334 DG |
| Metals - Suspended | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 08/29/2012 2153 MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 10/11/2012 1309 WN |
| Radionuclides - Dissolved | | | | | | |
| Lead 210 | 1.3 | pCi/L | | 1 | OTW01 | 09/25/2012 1506 SH |
| Lead 210 Precision (±) | 0.4 | pCi/L | | | OTW01 | 09/25/2012 1506 SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 09/25/2012 940 SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 09/25/2012 940 SH |
| Radium 226 | 0.4 | pCi/L | | 0.2 | SM 7500-Ra B | 09/07/2012 000 SH |
| Radium 226 Precision (±) | 0.1 | pCi/L | | | SM 7500-Ra B | 09/07/2012 000 SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 09/20/2012 1234 MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 09/20/2012 1234 MB |
| Thorium 229 Tracer (30-120) | 74.2 | % | | 0.2 | ACW10 | 09/20/2012 1234 MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

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- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager

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Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

ProjectName: 3rd-Qtr, Marsland Monitor Wells
Lab ID: S1208384-010
ClientSample ID: Monitor 11
COC:

Date Reported 1/25/2013
Report ID: S1208384002
(Replaces S1208384001)
WorkOrder: S1208384
CollectionDate: 8/20/2012
DateReceived: 8/22/2012 10:10:00 AM
FieldSampler:
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|-----|--------------|--------------------|----|
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | 15.5 | pCi/L | | 1 | OTW01 | 09/26/2012 1805 | SH |
| Lead 210 Precision (±) | 1.0 | pCi/L | | | OTW01 | 09/26/2012 1805 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 09/26/2012 1440 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 09/26/2012 1440 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500-Ra B | 09/18/2012 1117 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500-Ra B | 09/18/2012 1117 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 09/15/2012 935 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 09/15/2012 935 | MB |
| Thorium 229 Tracer (30-120) | 49.9 | % | | 0.2 | ACW10 | 09/15/2012 935 | MB |

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RL - Reporting Limit

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- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Inter-Mountain Labs

Your Environmental Monitoring Partner

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Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 1/25/2013
Report ID: S1208384002
(Replaces S1208384001)

ProjectName: 3rd-Qtr, Marsland Monitor Wells
Lab ID: S1208384-001
ClientSample ID: Monitor 1
COC:

WorkOrder: S1208384
CollectionDate: 8/20/2012
DateReceived: 8/22/2012 10:10:00 AM
FieldSampler:
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|---|--------|----------|------|------|-------------|---------------------|
| Anions/Cations | | | | | | |
| Alkalinity, Total (As CaCO ₃) | 416 | mg/L | | 5 | SM 2320B | 08/22/2012 2001 KV |
| Alkalinity, Bicarbonate as HCO ₃ | 475 | mg/L | | 5 | SM 2320B | 08/22/2012 2001 KV |
| Alkalinity, Carbonate as CO ₃ | 16 | mg/L | | 5 | SM 2320B | 08/22/2012 2001 KV |
| Chloride | 177 | mg/L | | 1 | EPA 300.0 | 08/27/2012 1628 AMB |
| Fluoride | 0.5 | mg/L | | 0.1 | SM 4500FC | 08/22/2012 2001 KV |
| Nitrogen, Nitrate+Nitrite (as N) | ND | mg/L | | 0.1 | EPA 353.2 | 08/28/2012 1142 RH |
| Sulfate | 49 | mg/L | | 1 | EPA 300.0 | 08/24/2012 2328 AMB |
| Calcium | 5 | mg/L | | 1 | EPA 200.7 | 08/27/2012 1347 BK |
| Magnesium | 1 | mg/L | | 1 | EPA 200.7 | 08/27/2012 1347 BK |
| Potassium | 11 | mg/L | | 1 | EPA 200.7 | 08/27/2012 1347 BK |
| Sodium | 349 | mg/L | | 1 | EPA 200.7 | 08/27/2012 1347 BK |
| Nitrogen, Ammonia (As N) | 0.1 | mg/L | | 0.1 | EPA 350.1 | 08/23/2012 1206 RH |
| Silica as SiO ₂ | 15 | mg/L | | 1 | EPA 200.7 | 08/23/2012 1242 DG |
| General Parameters | | | | | | |
| pH | 8.6 | s.u. | | 0.1 | SM 4500 H B | 08/22/2012 2001 KV |
| Electrical Conductivity | 1350 | µmhos/cm | | 1 | SM 2510B | 08/22/2012 2001 KV |
| Total Dissolved Solids (180) | 840 | mg/L | | 10 | SM 2540 | 08/22/2012 1352 JCG |
| Data Quality | | | | | | |
| Cation Sum | 15.78 | meq/L | | 0.01 | SM 1030E | 10/11/2012 1305 WN |
| Anion Sum | 14.34 | meq/L | | 0.01 | SM 1030E | 10/11/2012 1305 WN |
| Cation-Anion Balance (± 5%) | 4.77 | % | | 0.01 | SM 1030E | 10/11/2012 1305 WN |
| Solids, Total Dissolved (Calc) | 860 | mg/L | | 10 | SM 1030E | 10/11/2012 1305 WN |
| Calculated TDS/TDS Ratio (0.80-1.20) | 0.98 | dec. % | | 0.01 | Calculation | 10/11/2012 1309 WN |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
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Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager

Page 1 of 33



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported: 1/25/2013
Report ID: S1208384002
(Replaces S1208384001)

ProjectName: 3rd-Qtr, Marsland Monitor Wells
Lab ID: S1208384-001
ClientSample ID: Monitor 1
COC:

WorkOrder: S1208384
CollectionDate: 8/20/2012
DateReceived: 8/22/2012 10:10:00 AM
FieldSampler:
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | EPA 200.7 | 08/23/2012 1242 | DG |
| Arsenic | 0.002 | mg/L | | 0.001 | EPA 200.8 | 08/22/2012 1605 | MS |
| Barium | ND | mg/L | | 0.1 | EPA 200.8 | 08/22/2012 1605 | MS |
| Boron | 1.6 | mg/L | | 0.1 | EPA 200.7 | 08/23/2012 1242 | DG |
| Cadmium | ND | mg/L | | 0.005 | EPA 200.8 | 08/22/2012 1605 | MS |
| Chromium | ND | mg/L | | 0.05 | EPA 200.7 | 08/23/2012 1242 | DG |
| Copper | ND | mg/L | | 0.1 | EPA 200.8 | 08/22/2012 1605 | MS |
| Iron | ND | mg/L | | 0.05 | EPA 200.7 | 08/23/2012 1242 | DG |
| Lead | ND | mg/L | | 0.05 | EPA 200.8 | 08/22/2012 1605 | MS |
| Manganese | ND | mg/L | | 0.01 | EPA 200.7 | 08/23/2012 1242 | DG |
| Mercury | ND | mg/L | | 0.001 | EPA 245.1 | 08/24/2012 1128 | CS |
| Molybdenum | ND | mg/L | | 0.1 | EPA 200.8 | 08/22/2012 1605 | MS |
| Nickel | ND | mg/L | | 0.05 | EPA 200.7 | 08/23/2012 1242 | DG |
| Selenium | ND | mg/L | | 0.001 | EPA 200.8 | 08/22/2012 1605 | MS |
| Uranium | 0.0073 | mg/L | | 0.0003 | EPA 200.8 | 08/22/2012 1605 | MS |
| Uranium Activity | 4.9 | pCi/L | | 0.2 | Calculation | 10/11/2012 1309 | WN |
| Vanadium | ND | mg/L | | 0.02 | EPA 200.8 | 08/22/2012 1605 | MS |
| Zinc | ND | mg/L | | 0.01 | EPA 200.7 | 08/23/2012 1242 | DG |
| Metals - Suspended | | | | | | | |
| Uranium | 0.0092 | mg/L | | 0.0003 | EPA 200.8 | 08/29/2012 2044 | MS |
| Uranium Activity | 6.2 | pCi/L | | 0.2 | Calculation | 10/11/2012 1309 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | 19.7 | pCi/L | | 1 | OTW01 | 09/13/2012 1448 | SH |
| Lead 210 Precision (±) | 1.1 | pCi/L | | | OTW01 | 09/13/2012 1448 | SH |
| Polonium 210 | 1.0 | pCi/L | | 1 | OTW01 | 09/12/2012 1657 | SH |
| Polonium 210 Precision (±) | 0.8 | pCi/L | | | OTW01 | 09/12/2012 1657 | SH |
| Radium 226 | 12.9 | pCi/L | | 0.2 | SM 7500-Ra B | 09/07/2012 1016 | SH |
| Radium 226 Precision (±) | 0.5 | pCi/L | | | SM 7500-Ra B | 09/07/2012 1016 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 09/19/2012 829 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 09/19/2012 829 | MB |
| Thorium 229 Tracer (30-120) | 81.8 | % | | 0.2 | ACW10 | 09/19/2012 829 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 1/25/2013
Report ID: S1208384002
(Replaces S1208384001)

ProjectName: 3rd-Qtr, Marsland Monitor Wells
Lab ID: S1208384-001
ClientSample ID: Monitor 1
COC:

WorkOrder: S1208384
CollectionDate: 8/20/2012
DateReceived: 8/22/2012 10:10:00 AM
FieldSampler:
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|----------------------------------|--------|-------|------|-----|--------------|--------------------|
| Radionuclides - Suspended | | | | | | |
| Lead 210 | 53.0 | pCi/L | | 1 | OTW01 | 09/25/2012 1506 SH |
| Lead 210 Precision (±) | 1.5 | pCi/L | | | OTW01 | 09/25/2012 1506 SH |
| Polonium 210 | 2.5 | pCi/L | | 1 | OTW01 | 09/25/2012 940 SH |
| Polonium 210 Precision (±) | 0.8 | pCi/L | | | OTW01 | 09/25/2012 940 SH |
| Radium 226 | 7.8 | pCi/L | | 0.2 | SM 7500-Ra B | 09/18/2012 1117 SH |
| Radium 226 Precision (±) | 0.3 | pCi/L | | | SM 7500-Ra B | 09/18/2012 1117 SH |
| Thorium 230 | 3.0 | pCi/L | | 0.2 | ACW10 | 09/14/2012 1211 MB |
| Thorium 230 Precision (±) | 0.5 | pCi/L | | | ACW10 | 09/14/2012 1211 MB |
| Thorium 229 Tracer (30-120) | 104 | % | | 0.2 | ACW10 | 09/14/2012 1211 MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager



Inter-Mountain Labs

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported: 1/25/2013
Report ID: S1208384002
(Replaces S1208384001)

ProjectName: 3rd-Qtr, Marsland Monitor Wells
Lab ID: S1208384-002
ClientSample ID: Monitor 2
COC:

WorkOrder: S1208384
CollectionDate: 8/20/2012
DateReceived: 8/22/2012 10:10:00 AM
FieldSampler:
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|---|--------|----------|------|------|-------------|---------------------|
| Anions/Cations | | | | | | |
| Alkalinity, Total (As CaCO ₃) | 410 | mg/L | | 5 | SM 2320B | 08/22/2012 2013 KV |
| Alkalinity, Bicarbonate as HCO ₃ | 471 | mg/L | | 5 | SM 2320B | 08/22/2012 2013 KV |
| Alkalinity, Carbonate as CO ₃ | 14 | mg/L | | 5 | SM 2320B | 08/22/2012 2013 KV |
| Chloride | 166 | mg/L | | 1 | EPA 300.0 | 08/27/2012 1639 AMB |
| Fluoride | 0.5 | mg/L | | 0.1 | SM 4500FC | 08/22/2012 2013 KV |
| Nitrogen, Nitrate+Nitrite (as N) | ND | mg/L | | 0.1 | EPA 353.2 | 08/28/2012 1144 RH |
| Sulfate | 46 | mg/L | | 1 | EPA 300.0 | 08/24/2012 2339 AMB |
| Calcium | 5 | mg/L | | 1 | EPA 200.7 | 08/27/2012 1350 BK |
| Magnesium | 1 | mg/L | | 1 | EPA 200.7 | 08/27/2012 1350 BK |
| Potassium | 11 | mg/L | | 1 | EPA 200.7 | 08/27/2012 1350 BK |
| Sodium | 337 | mg/L | | 1 | EPA 200.7 | 08/27/2012 1350 BK |
| Nitrogen, Ammonia (As N) | 0.1 | mg/L | | 0.1 | EPA 350.1 | 08/23/2012 1207 RH |
| Silica as SiO ₂ | 16 | mg/L | | 1 | EPA 200.7 | 08/23/2012 1244 DG |
| General Parameters | | | | | | |
| pH | 8.6 | s.u. | | 0.1 | SM 4500 H B | 08/22/2012 2013 KV |
| Electrical Conductivity | 1340 | µmhos/cm | | 1 | SM 2510B | 08/22/2012 2013 KV |
| Total Dissolved Solids (180) | 850 | mg/L | | 10 | SM 2540 | 08/22/2012 1357 JCG |
| Data Quality | | | | | | |
| Cation Sum | 15.26 | meq/L | | 0.01 | SM 1030E | 10/11/2012 1305 WN |
| Anion Sum | 13.85 | meq/L | | 0.01 | SM 1030E | 10/11/2012 1305 WN |
| Cation-Anion Balance (± 5%) | 4.81 | % | | 0.01 | SM 1030E | 10/11/2012 1305 WN |
| Solids, Total Dissolved (Calc) | 830 | mg/L | | 10 | SM 1030E | 10/11/2012 1305 WN |
| Calculated TDS/TDS Ratio (0.80-1.20) | 1.02 | dec. % | | 0.01 | Calculation | 10/11/2012 1309 WN |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager

Page 4 of 33



Inter-Mountain Labs

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported: 1/25/2013
Report ID: S1208384002
(Replaces S1208384001)

ProjectName: 3rd-Qtr, Marsland Monitor Wells
Lab ID: S1208384-002
ClientSample ID: Monitor 2
COC:

WorkOrder: S1208384
CollectionDate: 8/20/2012
DateReceived: 8/22/2012 10:10:00 AM
FieldSampler:
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|
| Metals - Dissolved | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | EPA 200.7 | 08/23/2012 1244 DG |
| Arsenic | 0.001 | mg/L | | 0.001 | EPA 200.8 | 08/22/2012 1610 MS |
| Barium | ND | mg/L | | 0.1 | EPA 200.8 | 08/22/2012 1610 MS |
| Boron | 1.5 | mg/L | | 0.1 | EPA 200.7 | 08/23/2012 1244 DG |
| Cadmium | ND | mg/L | | 0.005 | EPA 200.8 | 08/22/2012 1610 MS |
| Chromium | ND | mg/L | | 0.05 | EPA 200.7 | 08/23/2012 1244 DG |
| Copper | ND | mg/L | | 0.1 | EPA 200.8 | 08/22/2012 1610 MS |
| Iron | ND | mg/L | | 0.05 | EPA 200.7 | 08/23/2012 1244 DG |
| Lead | ND | mg/L | | 0.05 | EPA 200.8 | 08/22/2012 1610 MS |
| Manganese | ND | mg/L | | 0.01 | EPA 200.7 | 08/23/2012 1244 DG |
| Mercury | ND | mg/L | | 0.001 | EPA 245.1 | 08/24/2012 1130 CS |
| Molybdenum | ND | mg/L | | 0.1 | EPA 200.8 | 08/22/2012 1610 MS |
| Nickel | ND | mg/L | | 0.05 | EPA 200.7 | 08/23/2012 1244 DG |
| Selenium | ND | mg/L | | 0.001 | EPA 200.8 | 08/22/2012 1610 MS |
| Uranium | 0.0017 | mg/L | | 0.0003 | EPA 200.8 | 08/22/2012 1610 MS |
| Uranium Activity | 1.2 | pCi/L | | 0.2 | Calculation | 10/11/2012 1309 WN |
| Vanadium | ND | mg/L | | 0.02 | EPA 200.8 | 08/22/2012 1610 MS |
| Zinc | 0.09 | mg/L | | 0.01 | EPA 200.7 | 08/23/2012 1244 DG |
| Metals - Suspended | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 08/29/2012 2049 MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 10/11/2012 1309 WN |
| Radionuclides - Dissolved | | | | | | |
| Lead 210 | 2.8 | pCi/L | | 1 | OTW01 | 09/25/2012 1131 SH |
| Lead 210 Precision (±) | 0.5 | pCi/L | | | OTW01 | 09/25/2012 1131 SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 09/24/2012 1534 SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 09/24/2012 1534 SH |
| Radium 226 | 1.1 | pCi/L | | 0.2 | SM 7500-Ra B | 09/07/2012 1016 SH |
| Radium 226 Precision (±) | 0.1 | pCi/L | | | SM 7500-Ra B | 09/07/2012 1016 SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 09/19/2012 829 MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 09/19/2012 829 MB |
| Thorium 229 Tracer (30-120) | 81.4 | % | | 0.2 | ACW10 | 09/19/2012 829 MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported: 1/25/2013
Report ID: S1208384002
(Replaces S1208384001)

ProjectName: 3rd-Qtr, Marsland Monitor Wells
Lab ID: S1208384-002
ClientSample ID: Monitor 2
COC:

WorkOrder: S1208384
CollectionDate: 8/20/2012
DateReceived: 8/22/2012 10:10:00 AM
FieldSampler:
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|----------------------------------|--------|-------|------|-----|--------------|--------------------|
| Radionuclides - Suspended | | | | | | |
| Lead 210 | 1.2 | pCi/L | | 1 | OTW01 | 09/25/2012 1506 SH |
| Lead 210 Precision (±) | 0.3 | pCi/L | | | OTW01 | 09/25/2012 1506 SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 09/25/2012 940 SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 09/25/2012 940 SH |
| Radium 226 | 0.3 | pCi/L | | 0.2 | SM 7500-Ra B | 09/18/2012 1117 SH |
| Radium 226 Precision (±) | 0.1 | pCi/L | | | SM 7500-Ra B | 09/18/2012 1117 SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 09/14/2012 1211 MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 09/14/2012 1211 MB |
| Thorium 229 Tracer (30-120) | 42.4 | % | | 0.2 | ACW10 | 09/14/2012 1211 MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers: * Value exceeds Maximum Contaminant Level
C Calculated Value
H Holding times for preparation or analysis exceeded
L Analyzed by a contract laboratory
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
M Value exceeds Monthly Ave or MCL
O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Inter-Mountain Labs

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported: 1/25/2013
Report ID: S1208384002
(Replaces S1208384001)

ProjectName: 3rd-Qtr, Marsland Monitor Wells
Lab ID: S1208384-003
ClientSample ID: Monitor 4A
COC:

WorkOrder: S1208384
CollectionDate: 8/20/2012
DateReceived: 8/22/2012 10:10:00 AM
FieldSampler:
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|---|--------|----------|------|------|-------------|--------------------|-----|
| Anions/Cations | | | | | | | |
| Alkalinity, Total (As CaCO ₃) | 390 | mg/L | | 5 | SM 2320B | 08/22/2012 2027 | KV |
| Alkalinity, Bicarbonate as HCO ₃ | 432 | mg/L | | 5 | SM 2320B | 08/22/2012 2027 | KV |
| Alkalinity, Carbonate as CO ₃ | 22 | mg/L | | 5 | SM 2320B | 08/22/2012 2027 | KV |
| Chloride | 196 | mg/L | | 1 | EPA 300.0 | 08/27/2012 1651 | AMB |
| Fluoride | 0.6 | mg/L | | 0.1 | SM 4500FC | 08/22/2012 2027 | KV |
| Nitrogen, Nitrate+Nitrite (as N) | ND | mg/L | | 0.1 | EPA 353.2 | 08/28/2012 1145 | RH |
| Sulfate | 95 | mg/L | | 1 | EPA 300.0 | 08/24/2012 2350 | AMB |
| Calcium | 4 | mg/L | | 1 | EPA 200.7 | 09/01/2012 1255 | BK |
| Magnesium | ND | mg/L | | 1 | EPA 200.7 | 09/01/2012 1255 | BK |
| Potassium | 19 | mg/L | | 1 | EPA 200.7 | 09/01/2012 1255 | BK |
| Sodium | 357 | mg/L | | 1 | EPA 200.7 | 09/01/2012 1255 | BK |
| Nitrogen, Ammonia (As N) | 0.1 | mg/L | | 0.1 | EPA 350.1 | 08/23/2012 1213 | RH |
| Silica as SiO ₂ | 17 | mg/L | | 1 | EPA 200.7 | 08/23/2012 1246 | DG |
| General Parameters | | | | | | | |
| pH | 8.7 | s.u. | | 0.1 | SM 4500 H B | 08/22/2012 2027 | KV |
| Electrical Conductivity | 1510 | µmhos/cm | | 1 | SM 2510B | 08/22/2012 2027 | KV |
| Total Dissolved Solids (180) | 930 | mg/L | | 10 | SM 2540 | 08/22/2012 1402 | JCG |
| Data Quality | | | | | | | |
| Cation Sum | 16.20 | meq/L | | 0.01 | SM 1030E | 10/11/2012 1305 | WN |
| Anion Sum | 15.34 | meq/L | | 0.01 | SM 1030E | 10/11/2012 1305 | WN |
| Cation-Anion Balance (± 5%) | 2.72 | % | | 0.01 | SM 1030E | 10/11/2012 1305 | WN |
| Solids, Total Dissolved (Calc) | 920 | mg/L | | 10 | SM 1030E | 10/11/2012 1305 | WN |
| Calculated TDS/TDS Ratio (0.80-1.20) | 1.01 | dec. % | | 0.01 | Calculation | 10/11/2012 1309 | WN |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager

Page 7 of 33



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

ProjectName: 3rd-Qtr, Marsland Monitor Wells
Lab ID: S1208384-003
ClientSample ID: Monitor 4A
COC:

Date Reported: 1/25/2013
Report ID: S1208384002
(Replaces S1208384001)
WorkOrder: S1208384
CollectionDate: 8/20/2012
DateReceived: 8/22/2012 10:10:00 AM
FieldSampler:
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | EPA 200.7 | 08/23/2012 1246 | DG |
| Arsenic | 0.002 | mg/L | | 0.001 | EPA 200.8 | 08/22/2012 1616 | MS |
| Barium | ND | mg/L | | 0.1 | EPA 200.8 | 08/22/2012 1616 | MS |
| Boron | 1.5 | mg/L | | 0.1 | EPA 200.7 | 08/23/2012 1246 | DG |
| Cadmium | ND | mg/L | | 0.005 | EPA 200.8 | 08/22/2012 1616 | MS |
| Chromium | ND | mg/L | | 0.05 | EPA 200.7 | 08/23/2012 1246 | DG |
| Copper | ND | mg/L | | 0.1 | EPA 200.8 | 08/22/2012 1616 | MS |
| Iron | ND | mg/L | | 0.05 | EPA 200.7 | 08/23/2012 1246 | DG |
| Lead | ND | mg/L | | 0.05 | EPA 200.8 | 08/22/2012 1616 | MS |
| Manganese | ND | mg/L | | 0.01 | EPA 200.7 | 08/23/2012 1246 | DG |
| Mercury | ND | mg/L | | 0.001 | EPA 245.1 | 08/24/2012 1135 | CS |
| Molybdenum | ND | mg/L | | 0.1 | EPA 200.8 | 08/22/2012 1616 | MS |
| Nickel | ND | mg/L | | 0.05 | EPA 200.7 | 08/23/2012 1246 | DG |
| Selenium | ND | mg/L | | 0.001 | EPA 200.8 | 08/22/2012 1616 | MS |
| Uranium | 0.0346 | mg/L | | 0.0003 | EPA 200.8 | 08/22/2012 1616 | MS |
| Uranium Activity | 23.4 | pCi/L | | 0.2 | Calculation | 10/11/2012 1309 | WN |
| Vanadium | ND | mg/L | | 0.02 | EPA 200.8 | 08/22/2012 1616 | MS |
| Zinc | ND | mg/L | | 0.01 | EPA 200.7 | 08/23/2012 1246 | DG |
| Metals - Suspended | | | | | | | |
| Uranium | 0.0004 | mg/L | | 0.0003 | EPA 200.8 | 08/29/2012 2054 | MS |
| Uranium Activity | 0.3 | pCi/L | | 0.2 | Calculation | 10/11/2012 1309 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | 540 | pCi/L | | 1 | OTW01 | 09/25/2012 1131 | SH |
| Lead 210 Precision (±) | 5.4 | pCi/L | | | OTW01 | 09/25/2012 1131 | SH |
| Polonium 210 | 100 | pCi/L | | 1 | OTW01 | 09/24/2012 1534 | SH |
| Polonium 210 Precision (±) | 4.3 | pCi/L | | | OTW01 | 09/24/2012 1534 | SH |
| Radium 226 | 348 | pCi/L | | 0.2 | SM 7500-Ra B | 09/07/2012 000 | SH |
| Radium 226 Precision (±) | 2.3 | pCi/L | | | SM 7500-Ra B | 09/07/2012 000 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 09/19/2012 829 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 09/19/2012 829 | MB |
| Thorium 229 Tracer (30-120) | 84.7 | % | | 0.2 | ACW10 | 09/19/2012 829 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds Maximum Contaminant Level | B Analyte detected in the associated Method Blank |
| | C Calculated Value | E Value above quantitation range |
| | H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| | L Analyzed by a contract laboratory | M Value exceeds Monthly Ave or MCL |
| | ND Not Detected at the Reporting Limit | O Outside the Range of Dilutions |
| | S Spike Recovery outside accepted recovery limits | |

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 1/25/2013
Report ID: S1208384002
(Replaces S1208384001)

ProjectName: 3rd-Qtr, Marsland Monitor Wells
Lab ID: S1208384-003
ClientSample ID: Monitor 4A
COC:

WorkOrder: S1208384
CollectionDate: 8/20/2012
DateReceived: 8/22/2012 10:10:00 AM
FieldSampler:
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|----------------------------------|--------|-------|------|-----|--------------|--------------------|
| Radionuclides - Suspended | | | | | | |
| Lead 210 | 60.4 | pCi/L | | 1 | OTW01 | 09/25/2012 1506 SH |
| Lead 210 Precision (±) | 2.2 | pCi/L | | | OTW01 | 09/25/2012 1506 SH |
| Polonium 210 | 17.2 | pCi/L | | 1 | OTW01 | 09/25/2012 940 SH |
| Polonium 210 Precision (±) | 1.5 | pCi/L | | | OTW01 | 09/25/2012 940 SH |
| Radium 226 | 0.3 | pCi/L | | 0.2 | SM 7500-Ra B | 09/18/2012 1117 SH |
| Radium 226 Precision (±) | 0.1 | pCi/L | | | SM 7500-Ra B | 09/18/2012 1117 SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 09/14/2012 1211 MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 09/14/2012 1211 MB |
| Thorium 229 Tracer (30-120) | 71.1 | % | | 0.2 | ACW10 | 09/14/2012 1211 MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported: 1/25/2013
Report ID: S1208384002
(Replaces S1208384001)

ProjectName: 3rd-Qtr, Marsland Monitor Wells
Lab ID: S1208384-004
ClientSample ID: Monitor 5
COC:

WorkOrder: S1208384
CollectionDate: 8/20/2012
DateReceived: 8/22/2012 10:10:00 AM
FieldSampler:
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|---|--------|----------|------|------|-------------|--------------------|-----|
| Anions/Cations | | | | | | | |
| Alkalinity, Total (As CaCO ₃) | 266 | mg/L | | 5 | SM 2320B | 08/22/2012 2039 | KV |
| Alkalinity, Bicarbonate as HCO ₃ | 230 | mg/L | | 5 | SM 2320B | 08/22/2012 2039 | KV |
| Alkalinity, Carbonate as CO ₃ | 47 | mg/L | | 5 | SM 2320B | 08/22/2012 2039 | KV |
| Chloride | 233 | mg/L | | 1 | EPA 300.0 | 08/25/2012 002 | AMB |
| Fluoride | 0.5 | mg/L | | 0.1 | SM 4500FC | 08/22/2012 2039 | KV |
| Nitrogen, Nitrate+Nitrite (as N) | ND | mg/L | | 0.1 | EPA 353.2 | 08/28/2012 1146 | RH |
| Sulfate | 275 | mg/L | | 1 | EPA 300.0 | 08/25/2012 002 | AMB |
| Calcium | 5 | mg/L | | 1 | EPA 200.7 | 09/01/2012 1258 | BK |
| Magnesium | 1 | mg/L | | 1 | EPA 200.7 | 09/01/2012 1258 | BK |
| Potassium | 29 | mg/L | | 1 | EPA 200.7 | 09/19/2012 1244 | DG |
| Sodium | 429 | mg/L | | 1 | EPA 200.7 | 09/01/2012 1258 | BK |
| Nitrogen, Ammonia (As N) | 0.2 | mg/L | | 0.1 | EPA 350.1 | 08/23/2012 1214 | RH |
| Silica as SiO ₂ | 20 | mg/L | | 1 | EPA 200.7 | 08/23/2012 1254 | DG |
| General Parameters | | | | | | | |
| pH | 9.3 | s.u. | | 0.1 | SM 4500 H B | 08/22/2012 2039 | KV |
| Electrical Conductivity | 1880 | µmhos/cm | | 1 | SM 2510B | 08/22/2012 2039 | KV |
| Total Dissolved Solids (180) | 1190 | mg/L | | 10 | SM 2540 | 08/22/2012 1407 | JCG |
| Data Quality | | | | | | | |
| Cation Sum | 19.73 | meq/L | | 0.01 | SM 1030E | 10/11/2012 1305 | WN |
| Anion Sum | 17.99 | meq/L | | 0.01 | SM 1030E | 10/11/2012 1305 | WN |
| Cation-Anion Balance (± 5%) | 4.62 | % | | 0.01 | SM 1030E | 10/11/2012 1305 | WN |
| Solids, Total Dissolved (Calc) | 1150 | mg/L | | 10 | SM 1030E | 10/11/2012 1305 | WN |
| Calculated TDS/TDS Ratio (0.80-1.20) | 1.03 | dec. % | | 0.01 | Calculation | 10/11/2012 1309 | WN |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 1/25/2013
Report ID: S1208384002
(Replaces S1208384001)

ProjectName: 3rd-Qtr, Marsland Monitor Wells
Lab ID: S1208384-004
ClientSample ID: Monitor 5
COC:

WorkOrder: S1208384
CollectionDate: 8/20/2012
DateReceived: 8/22/2012 10:10:00 AM
FieldSampler:
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|
| Metals - Dissolved | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | EPA 200.7 | 08/23/2012 1254 DG |
| Arsenic | ND | mg/L | | 0.001 | EPA 200.8 | 08/22/2012 1621 MS |
| Barium | ND | mg/L | | 0.1 | EPA 200.8 | 08/22/2012 1621 MS |
| Boron | 1.3 | mg/L | | 0.1 | EPA 200.7 | 08/23/2012 1254 DG |
| Cadmium | ND | mg/L | | 0.005 | EPA 200.8 | 08/22/2012 1621 MS |
| Chromium | ND | mg/L | | 0.05 | EPA 200.7 | 08/23/2012 1254 DG |
| Copper | ND | mg/L | | 0.1 | EPA 200.8 | 08/22/2012 1621 MS |
| Iron | ND | mg/L | | 0.05 | EPA 200.7 | 08/23/2012 1254 DG |
| Lead | ND | mg/L | | 0.05 | EPA 200.8 | 08/22/2012 1621 MS |
| Manganese | ND | mg/L | | 0.01 | EPA 200.7 | 08/23/2012 1254 DG |
| Mercury | ND | mg/L | | 0.001 | EPA 245.1 | 08/24/2012 1143 CS |
| Molybdenum | ND | mg/L | | 0.1 | EPA 200.8 | 08/22/2012 1621 MS |
| Nickel | ND | mg/L | | 0.05 | EPA 200.7 | 08/23/2012 1254 DG |
| Selenium | 0.006 | mg/L | | 0.001 | EPA 200.8 | 08/22/2012 1621 MS |
| Uranium | 0.0004 | mg/L | | 0.0003 | EPA 200.8 | 08/22/2012 1621 MS |
| Uranium Activity | 0.3 | pCi/L | | 0.2 | Calculation | 10/11/2012 1309 WN |
| Vanadium | ND | mg/L | | 0.02 | EPA 200.8 | 08/22/2012 1621 MS |
| Zinc | ND | mg/L | | 0.01 | EPA 200.7 | 08/23/2012 1254 DG |
| Metals - Suspended | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 08/29/2012 2113 MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 10/11/2012 1309 WN |
| Radionuclides - Dissolved | | | | | | |
| Lead 210 | 1.6 | pCi/L | | 1 | OTW01 | 09/25/2012 1131 SH |
| Lead 210 Precision (±) | 0.4 | pCi/L | | | OTW01 | 09/25/2012 1131 SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 09/24/2012 1534 SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 09/24/2012 1534 SH |
| Radium 226 | 5.5 | pCi/L | | 0.2 | SM 7500-Ra B | 09/07/2012 000 SH |
| Radium 226 Precision (±) | 0.3 | pCi/L | | | SM 7500-Ra B | 09/07/2012 000 SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 09/19/2012 829 MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 09/19/2012 829 MB |
| Thorium 229 Tracer (30-120) | 88.4 | % | | 0.2 | ACW10 | 09/19/2012 829 MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

ProjectName: 3rd-Qtr, Marsland Monitor Wells
Lab ID: S1208384-004
ClientSample ID: Monitor 5
COC:

Date Reported: 1/25/2013
Report ID: S1208384002
(Replaces S1208384001)
WorkOrder: S1208384
CollectionDate: 8/20/2012
DateReceived: 8/22/2012 10:10:00 AM
FieldSampler:
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|----------------------------------|--------|-------|------|-----|--------------|--------------------|
| Radionuclides - Suspended | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 09/25/2012 1506 SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 09/25/2012 1506 SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 09/25/2012 940 SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 09/25/2012 940 SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500-Ra B | 09/18/2012 1117 SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500-Ra B | 09/18/2012 1117 SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 10/04/2012 1108 MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 10/04/2012 1108 MB |
| Thorium 229 Tracer (30-120) | 78.2 | % | | 0.2 | ACW10 | 10/04/2012 1108 MB |

These results apply only to the samples tested.

RL - Reporting Limit

| | | |
|-------------|--|---|
| Qualifiers: | * Value exceeds Maximum Contaminant Level | B Analyte detected in the associated Method Blank |
| | C Calculated Value | E Value above quantitation range |
| | H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| | L Analyzed by a contract laboratory | M Value exceeds Monthly Ave or MCL |
| | ND Not Detected at the Reporting Limit | O Outside the Range of Dilutions |
| | S Spike Recovery outside accepted recovery limits | |

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 1/25/2013
Report ID: S1208384002
(Replaces S1208384001)

ProjectName: 3rd-Qtr, Marsland Monitor Wells
Lab ID: S1208384-005
ClientSample ID: Monitor 6
COC:

WorkOrder: S1208384
CollectionDate: 8/20/2012
DateReceived: 8/22/2012 10:10:00 AM
FieldSampler:
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|---|--------|----------|------|------|-------------|---------------------|
| Anions/Cations | | | | | | |
| Alkalinity, Total (As CaCO ₃) | 322 | mg/L | | 5 | SM 2320B | 08/22/2012 2051 KV |
| Alkalinity, Bicarbonate as HCO ₃ | 345 | mg/L | | 5 | SM 2320B | 08/22/2012 2051 KV |
| Alkalinity, Carbonate as CO ₃ | 23 | mg/L | | 5 | SM 2320B | 08/22/2012 2051 KV |
| Chloride | 304 | mg/L | | 1 | EPA 300.0 | 08/27/2012 1702 AMB |
| Fluoride | 0.6 | mg/L | | 0.1 | SM 4500FC | 08/22/2012 2051 KV |
| Nitrogen, Nitrate+Nitrite (as N) | ND | mg/L | | 0.1 | EPA 353.2 | 08/28/2012 1147 RH |
| Sulfate | 46 | mg/L | | 1 | EPA 300.0 | 08/25/2012 013 AMB |
| Calcium | 9 | mg/L | | 1 | EPA 200.7 | 09/01/2012 1300 BK |
| Magnesium | 1 | mg/L | | 1 | EPA 200.7 | 09/01/2012 1300 BK |
| Potassium | 23 | mg/L | | 1 | EPA 200.7 | 09/01/2012 1300 BK |
| Sodium | 378 | mg/L | | 1 | EPA 200.7 | 09/01/2012 1300 BK |
| Nitrogen, Ammonia (As N) | 0.3 | mg/L | | 0.1 | EPA 350.1 | 08/23/2012 1215 RH |
| Silica as SiO ₂ | 16 | mg/L | | 1 | EPA 200.7 | 08/23/2012 1259 DG |
| General Parameters | | | | | | |
| pH | 8.8 | s.u. | | 0.1 | SM 4500 H B | 08/22/2012 2051 KV |
| Electrical Conductivity | 1660 | µmhos/cm | | 1 | SM 2510B | 08/22/2012 2051 KV |
| Total Dissolved Solids (180) | 970 | mg/L | | 10 | SM 2540 | 08/22/2012 1412 JCG |
| Data Quality | | | | | | |
| Cation Sum | 17.55 | meq/L | | 0.01 | SM 1030E | 10/11/2012 1305 WN |
| Anion Sum | 16.00 | meq/L | | 0.01 | SM 1030E | 10/11/2012 1305 WN |
| Cation-Anion Balance (± 5%) | 4.62 | % | | 0.01 | SM 1030E | 10/11/2012 1305 WN |
| Solids, Total Dissolved (Calc) | 970 | mg/L | | 10 | SM 1030E | 10/11/2012 1305 WN |
| Calculated TDS/TDS Ratio (0.80-1.20) | 1.00 | dec. % | | 0.01 | Calculation | 10/11/2012 1309 WN |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager



Inter-Mountain Labs

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 1/25/2013
Report ID: S1208384002
(Replaces S1208384001)

ProjectName: 3rd-Qtr, Marsland Monitor Wells
Lab ID: S1208384-005
ClientSample ID: Monitor 6
COC:

WorkOrder: S1208384
CollectionDate: 8/20/2012
DateReceived: 8/22/2012 10:10:00 AM
FieldSampler:
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | EPA 200.7 | 08/23/2012 1259 | DG |
| Arsenic | ND | mg/L | | 0.001 | EPA 200.8 | 08/22/2012 1626 | MS |
| Barium | 0.1 | mg/L | | 0.1 | EPA 200.8 | 08/22/2012 1626 | MS |
| Boron | 1.4 | mg/L | | 0.1 | EPA 200.7 | 08/23/2012 1259 | DG |
| Cadmium | ND | mg/L | | 0.005 | EPA 200.8 | 08/22/2012 1626 | MS |
| Chromium | ND | mg/L | | 0.05 | EPA 200.7 | 08/23/2012 1259 | DG |
| Copper | ND | mg/L | | 0.1 | EPA 200.8 | 08/22/2012 1626 | MS |
| Iron | ND | mg/L | | 0.05 | EPA 200.7 | 08/23/2012 1259 | DG |
| Lead | ND | mg/L | | 0.05 | EPA 200.8 | 08/22/2012 1626 | MS |
| Manganese | ND | mg/L | | 0.01 | EPA 200.7 | 08/23/2012 1259 | DG |
| Mercury | ND | mg/L | | 0.001 | EPA 245.1 | 08/24/2012 1145 | CS |
| Molybdenum | ND | mg/L | | 0.1 | EPA 200.8 | 08/22/2012 1626 | MS |
| Nickel | ND | mg/L | | 0.05 | EPA 200.7 | 08/23/2012 1259 | DG |
| Selenium | 0.001 | mg/L | | 0.001 | EPA 200.8 | 08/22/2012 1626 | MS |
| Uranium | 0.0011 | mg/L | | 0.0003 | EPA 200.8 | 08/22/2012 1626 | MS |
| Uranium Activity | 0.7 | pCi/L | | 0.2 | Calculation | 10/11/2012 1309 | WN |
| Vanadium | ND | mg/L | | 0.02 | EPA 200.8 | 08/22/2012 1626 | MS |
| Zinc | ND | mg/L | | 0.01 | EPA 200.7 | 08/23/2012 1259 | DG |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 08/29/2012 2118 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 10/11/2012 1309 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | 1.5 | pCi/L | | 1 | OTW01 | 09/25/2012 1131 | SH |
| Lead 210 Precision (±) | 0.4 | pCi/L | | | OTW01 | 09/25/2012 1131 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 09/24/2012 1534 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 09/24/2012 1534 | SH |
| Radium 226 | 2.7 | pCi/L | | 0.2 | SM 7500-Ra B | 09/07/2012 000 | SH |
| Radium 226 Precision (±) | 0.2 | pCi/L | | | SM 7500-Ra B | 09/07/2012 000 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 09/19/2012 829 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 09/19/2012 829 | MB |
| Thorium 229 Tracer (30-120) | 93.0 | % | | 0.2 | ACW10 | 09/19/2012 829 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager



Inter-Mountain Labs

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 1/25/2013
Report ID: S1208384002
(Replaces S1208384001)

ProjectName: 3rd-Qtr, Marsland Monitor Wells
Lab ID: S1208384-005
ClientSample ID: Monitor 6
COC:

WorkOrder: S1208384
CollectionDate: 8/20/2012
DateReceived: 8/22/2012 10:10:00 AM
FieldSampler:
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|----------------------------------|--------|-------|------|-----|--------------|--------------------|
| Radionuclides - Suspended | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 09/25/2012 1506 SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 09/25/2012 1506 SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 09/25/2012 940 SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 09/25/2012 940 SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500-Ra B | 09/18/2012 1117 SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500-Ra B | 09/18/2012 1117 SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 09/14/2012 1211 MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 09/14/2012 1211 MB |
| Thorium 229 Tracer (30-120) | 54.0 | % | | 0.2 | ACW10 | 09/14/2012 1211 MB |

These results apply only to the samples tested.**RL - Reporting Limit**

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager

Page 15 of 33



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

ProjectName: 3rd-Qtr, Marsland Monitor Wells
Lab ID: S1208384-006
ClientSample ID: Monitor 7
COC:

Date Reported: 1/25/2013
Report ID: S1208384002
(Replaces S1208384001)
WorkOrder: S1208384
CollectionDate: 8/20/2012
DateReceived: 8/22/2012 10:10:00 AM
FieldSampler:
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|---|--------|----------|------|------|-------------|---------------------|
| Anions/Cations | | | | | | |
| Alkalinity, Total (As CaCO ₃) | 311 | mg/L | | 5 | SM 2320B | 08/22/2012 2103 KV |
| Alkalinity, Bicarbonate as HCO ₃ | 339 | mg/L | | 5 | SM 2320B | 08/22/2012 2103 KV |
| Alkalinity, Carbonate as CO ₃ | 20 | mg/L | | 5 | SM 2320B | 08/22/2012 2103 KV |
| Chloride | 192 | mg/L | | 1 | EPA 300.0 | 08/25/2012 024 AMB |
| Fluoride | 0.6 | mg/L | | 0.1 | SM 4500FC | 08/22/2012 2103 KV |
| Nitrogen, Nitrate+Nitrite (as N) | ND | mg/L | | 0.1 | EPA 353.2 | 08/28/2012 1148 RH |
| Sulfate | 278 | mg/L | | 1 | EPA 300.0 | 08/25/2012 024 AMB |
| Calcium | 8 | mg/L | | 1 | EPA 200.7 | 09/01/2012 1303 BK |
| Magnesium | 2 | mg/L | | 1 | EPA 200.7 | 09/19/2012 1247 DG |
| Potassium | 18 | mg/L | | 1 | EPA 200.7 | 09/19/2012 1247 DG |
| Sodium | 423 | mg/L | | 1 | EPA 200.7 | 09/19/2012 1247 DG |
| Nitrogen, Ammonia (As N) | 0.1 | mg/L | | 0.1 | EPA 350.1 | 08/23/2012 1216 RH |
| Silica as SiO ₂ | 16 | mg/L | | 1 | EPA 200.7 | 08/23/2012 1325 DG |
| General Parameters | | | | | | |
| pH | 8.8 | s.u. | | 0.1 | SM 4500 H B | 08/22/2012 2103 KV |
| Electrical Conductivity | 1730 | µmhos/cm | | 1 | SM 2510B | 08/22/2012 2103 KV |
| Total Dissolved Solids (180) | 1080 | mg/L | | 10 | SM 2540 | 08/22/2012 1417 JCG |
| Data Quality | | | | | | |
| Cation Sum | 19.42 | meq/L | | 0.01 | SM 1030E | 10/11/2012 1305 WN |
| Anion Sum | 17.72 | meq/L | | 0.01 | SM 1030E | 10/11/2012 1305 WN |
| Cation-Anion Balance (± 5%) | 4.57 | % | | 0.01 | SM 1030E | 10/11/2012 1305 WN |
| Solids, Total Dissolved (Calc) | 1120 | mg/L | | 10 | SM 1030E | 10/11/2012 1305 WN |
| Calculated TDS/TDS Ratio (0.80-1.20) | 0.96 | dec. % | | 0.01 | Calculation | 10/11/2012 1309 WN |

These results apply only to the samples tested.

RL - Reporting Limit

| | | | |
|-------------|--|---|---|
| Qualifiers: | • Value exceeds Maximum Contaminant Level | B | Analyte detected in the associated Method Blank |
| | C Calculated Value | E | Value above quantitation range |
| | H Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | L Analyzed by a contract laboratory | M | Value exceeds Monthly Ave or MCL |
| | ND Not Detected at the Reporting Limit | O | Outside the Range of Dilutions |
| | S Spike Recovery outside accepted recovery limits | | |

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager



Inter-Mountain Labs

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported: 1/25/2013
Report ID: S1208384002
(Replaces S1208384001)

ProjectName: 3rd-Qtr, Marsland Monitor Wells
Lab ID: S1208384-006
ClientSample ID: Monitor 7
COC:

WorkOrder: S1208384
CollectionDate: 8/20/2012
DateReceived: 8/22/2012 10:10:00 AM
FieldSampler:
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | EPA 200.7 | 08/23/2012 1325 | DG |
| Arsenic | 0.001 | mg/L | | 0.001 | EPA 200.8 | 08/22/2012 1642 | MS |
| Barium | ND | mg/L | | 0.1 | EPA 200.8 | 08/22/2012 1642 | MS |
| Boron | 1.4 | mg/L | | 0.1 | EPA 200.7 | 08/23/2012 1325 | DG |
| Cadmium | ND | mg/L | | 0.005 | EPA 200.8 | 08/22/2012 1642 | MS |
| Chromium | ND | mg/L | | 0.05 | EPA 200.7 | 08/23/2012 1325 | DG |
| Copper | ND | mg/L | | 0.1 | EPA 200.8 | 08/22/2012 1642 | MS |
| Iron | ND | mg/L | | 0.05 | EPA 200.7 | 08/23/2012 1325 | DG |
| Lead | ND | mg/L | | 0.05 | EPA 200.8 | 08/22/2012 1642 | MS |
| Manganese | ND | mg/L | | 0.01 | EPA 200.7 | 08/23/2012 1325 | DG |
| Mercury | ND | mg/L | | 0.001 | EPA 245.1 | 08/24/2012 1147 | CS |
| Molybdenum | ND | mg/L | | 0.1 | EPA 200.8 | 08/22/2012 1642 | MS |
| Nickel | ND | mg/L | | 0.05 | EPA 200.7 | 08/23/2012 1325 | DG |
| Selenium | ND | mg/L | | 0.001 | EPA 200.8 | 08/22/2012 1642 | MS |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 08/22/2012 1642 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 10/11/2012 1309 | WN |
| Vanadium | ND | mg/L | | 0.02 | EPA 200.8 | 08/22/2012 1642 | MS |
| Zinc | ND | mg/L | | 0.01 | EPA 200.7 | 08/23/2012 1325 | DG |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 08/29/2012 2123 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 10/11/2012 1309 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 09/25/2012 1131 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 09/25/2012 1131 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 09/24/2012 1534 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 09/24/2012 1534 | SH |
| Radium 226 | 0.9 | pCi/L | | 0.2 | SM 7500-Ra B | 09/07/2012 000 | SH |
| Radium 226 Precision (±) | 0.1 | pCi/L | | | SM 7500-Ra B | 09/07/2012 000 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 09/19/2012 829 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 09/19/2012 829 | MB |
| Thorium 229 Tracer (30-120) | 90.0 | % | | 0.2 | ACW10 | 09/19/2012 829 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 1/25/2013
Report ID: S1208384002
(Replaces S1208384001)

ProjectName: 3rd-Qtr, Marsland Monitor Wells
Lab ID: S1208384-006
ClientSample ID: Monitor 7
COC:

WorkOrder: S1208384
CollectionDate: 8/20/2012
DateReceived: 8/22/2012 10:10:00 AM
FieldSampler:
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|-----|--------------|--------------------|----|
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | 1.5 | pCi/L | | 1 | OTW01 | 09/25/2012 1506 | SH |
| Lead 210 Precision (±) | 0.4 | pCi/L | | | OTW01 | 09/25/2012 1506 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 09/25/2012 940 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 09/25/2012 940 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500-Ra B | 09/18/2012 1117 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500-Ra B | 09/18/2012 1117 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 09/15/2012 935 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 09/15/2012 935 | MB |
| Thorium 229 Tracer (30-120) | 77.2 | % | | 0.2 | ACW10 | 09/15/2012 935 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager



Inter-Mountain Labs

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 1/25/2013
Report ID: S1208384002
(Replaces S1208384001)

ProjectName: 3rd-Qtr, Marsland Monitor Wells
Lab ID: S1208384-007
ClientSample ID: Monitor 8
COC:

WorkOrder: S1208384
CollectionDate: 8/20/2012
DateReceived: 8/22/2012 10:10:00 AM
FieldSampler:
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|---|--------|----------|------|------|-------------|---------------------|
| Anions/Cations | | | | | | |
| Alkalinity, Total (As CaCO ₃) | 296 | mg/L | | 5 | SM 2320B | 08/22/2012 2115 KV |
| Alkalinity, Bicarbonate as HCO ₃ | 336 | mg/L | | 5 | SM 2320B | 08/22/2012 2115 KV |
| Alkalinity, Carbonate as CO ₃ | 13 | mg/L | | 5 | SM 2320B | 08/22/2012 2115 KV |
| Chloride | 169 | mg/L | | 1 | EPA 300.0 | 08/27/2012 1725 AMB |
| Fluoride | 0.5 | mg/L | | 0.1 | SM 4500FC | 08/22/2012 2115 KV |
| Nitrogen, Nitrate+Nitrite (as N) | ND | mg/L | | 0.1 | EPA 353.2 | 08/28/2012 1155 RH |
| Sulfate | 362 | mg/L | | 1 | EPA 300.0 | 08/25/2012 036 AMB |
| Calcium | 10 | mg/L | | 1 | EPA 200.7 | 08/23/2012 1327 BK |
| Magnesium | 3 | mg/L | | 1 | EPA 200.7 | 08/23/2012 1327 BK |
| Potassium | 23 | mg/L | | 1 | EPA 200.7 | 08/23/2012 1327 BK |
| Sodium | 430 | mg/L | | 1 | EPA 200.7 | 08/23/2012 1327 BK |
| Nitrogen, Ammonia (As N) | 0.1 | mg/L | | 0.1 | EPA 350.1 | 08/23/2012 1217 RH |
| Silica as SiO ₂ | 15 | mg/L | | 1 | EPA 200.7 | 08/23/2012 1327 DG |
| General Parameters | | | | | | |
| pH | 8.6 | s.u. | | 0.1 | SM 4500 H B | 08/22/2012 2115 KV |
| Electrical Conductivity | 1830 | µmhos/cm | | 1 | SM 2510B | 08/22/2012 2115 KV |
| Total Dissolved Solids (180) | 1250 | mg/L | | 10 | SM 2540 | 08/22/2012 1422 JCG |
| Data Quality | | | | | | |
| Cation Sum | 20.04 | meq/L | | 0.01 | SM 1030E | 10/11/2012 1305 WN |
| Anion Sum | 18.23 | meq/L | | 0.01 | SM 1030E | 10/11/2012 1305 WN |
| Cation-Anion Balance (± 5%) | 4.72 | % | | 0.01 | SM 1030E | 10/11/2012 1305 WN |
| Solids, Total Dissolved (Calc) | 1190 | mg/L | | 10 | SM 1030E | 10/11/2012 1305 WN |
| Calculated TDS/TDS Ratio (0.80-1.20) | 1.05 | dec. % | | 0.01 | Calculation | 10/11/2012 1309 WN |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager

Page 19 of 33



Inter-Mountain Labs

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Your Environmental Monitoring Partner

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported: 1/25/2013
Report ID: S1208384002
(Replaces S1208384001)

ProjectName: 3rd-Qtr, Marsland Monitor Wells
Lab ID: S1208384-007
ClientSample ID: Monitor 8
COC:

WorkOrder: S1208384
CollectionDate: 8/20/2012
DateReceived: 8/22/2012 10:10:00 AM
FieldSampler:
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | EPA 200.7 | 08/23/2012 1327 | DG |
| Arsenic | ND | mg/L | | 0.001 | EPA 200.8 | 08/22/2012 1647 | MS |
| Barium | ND | mg/L | | 0.1 | EPA 200.8 | 08/22/2012 1647 | MS |
| Boron | 1.3 | mg/L | | 0.1 | EPA 200.7 | 08/23/2012 1327 | DG |
| Cadmium | ND | mg/L | | 0.005 | EPA 200.8 | 08/22/2012 1647 | MS |
| Chromium | ND | mg/L | | 0.05 | EPA 200.7 | 08/23/2012 1327 | DG |
| Copper | ND | mg/L | | 0.1 | EPA 200.8 | 08/22/2012 1647 | MS |
| Iron | ND | mg/L | | 0.05 | EPA 200.7 | 08/23/2012 1327 | DG |
| Lead | ND | mg/L | | 0.05 | EPA 200.8 | 08/22/2012 1647 | MS |
| Manganese | ND | mg/L | | 0.01 | EPA 200.7 | 08/23/2012 1327 | DG |
| Mercury | ND | mg/L | | 0.001 | EPA 245.1 | 08/24/2012 1148 | CS |
| Molybdenum | ND | mg/L | | 0.1 | EPA 200.8 | 08/22/2012 1647 | MS |
| Nickel | ND | mg/L | | 0.05 | EPA 200.7 | 08/23/2012 1327 | DG |
| Selenium | ND | mg/L | | 0.001 | EPA 200.8 | 08/22/2012 1647 | MS |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 08/22/2012 1647 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 10/11/2012 1309 | WN |
| Vanadium | ND | mg/L | | 0.02 | EPA 200.8 | 08/22/2012 1647 | MS |
| Zinc | ND | mg/L | | 0.01 | EPA 200.7 | 08/23/2012 1327 | DG |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 08/29/2012 2138 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 10/11/2012 1309 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | 1.2 | pCi/L | | 1 | OTW01 | 09/25/2012 1131 | SH |
| Lead 210 Precision (±) | 0.4 | pCi/L | | | OTW01 | 09/25/2012 1131 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 09/24/2012 1534 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 09/24/2012 1534 | SH |
| Radium 226 | 0.5 | pCi/L | | 0.2 | SM 7500-Ra B | 09/07/2012 000 | SH |
| Radium 226 Precision (±) | 0.1 | pCi/L | | | SM 7500-Ra B | 09/07/2012 000 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 09/20/2012 1234 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 09/20/2012 1234 | MB |
| Thorium 229 Tracer (30-120) | ND | % | | 0.2 | ACW10 | 09/20/2012 1234 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager



Inter-Mountain Labs

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Your Environmental Monitoring Partner

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported: 1/25/2013
Report ID: S1208384002
(Replaces S1208384001)

ProjectName: 3rd-Qtr, Marsland Monitor Wells
Lab ID: S1208384-007
ClientSample ID: Monitor 8
COC:

WorkOrder: S1208384
CollectionDate: 8/20/2012
DateReceived: 8/22/2012 10:10:00 AM
FieldSampler:
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|----------------------------------|--------|-------|------|-----|--------------|--------------------|
| Radionuclides - Suspended | | | | | | |
| Lead 210 | 1.2 | pCi/L | | 1 | OTW01 | 09/25/2012 1506 SH |
| Lead 210 Precision (±) | 0.4 | pCi/L | | | OTW01 | 09/25/2012 1506 SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 09/25/2012 940 SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 09/25/2012 940 SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500-Ra B | 09/18/2012 1117 SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500-Ra B | 09/18/2012 1117 SH |
| Thorium 230 | 0.3 | pCi/L | | 0.2 | ACW10 | 09/15/2012 935 MB |
| Thorium 230 Precision (±) | 0.2 | pCi/L | | | ACW10 | 09/15/2012 935 MB |
| Thorium 229 Tracer (30-120) | 46.6 | % | | 0.2 | ACW10 | 09/15/2012 935 MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers: * Value exceeds Maximum Contaminant Level
C Calculated Value
H Holding times for preparation or analysis exceeded
L Analyzed by a contract laboratory
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
M Value exceeds Monthly Ave or MCL
O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported: 1/25/2013
Report ID: S1208384002
(Replaces S1208384001)

ProjectName: 3rd-Qtr, Marsland Monitor Wells
Lab ID: S1208384-008
ClientSample ID: Monitor 9
COC:

WorkOrder: S1208384
CollectionDate: 8/20/2012
DateReceived: 8/22/2012 10:10:00 AM
FieldSampler:
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|---|--------|----------|------|------|-------------|---------------------|
| Anions/Cations | | | | | | |
| Alkalinity, Total (As CaCO ₃) | 356 | mg/L | | 5 | SM 2320B | 08/22/2012 2127 KV |
| Alkalinity, Bicarbonate as HCO ₃ | 390 | mg/L | | 5 | SM 2320B | 08/22/2012 2127 KV |
| Alkalinity, Carbonate as CO ₃ | 22 | mg/L | | 5 | SM 2320B | 08/22/2012 2127 KV |
| Chloride | 224 | mg/L | | 1 | EPA 300.0 | 08/27/2012 1736 AMB |
| Fluoride | 0.6 | mg/L | | 0.1 | SM 4500FC | 08/22/2012 2127 KV |
| Nitrogen, Nitrate+Nitrite (as N) | ND | mg/L | | 0.1 | EPA 353.2 | 08/28/2012 1157 RH |
| Sulfate | 79 | mg/L | | 1 | EPA 300.0 | 08/25/2012 047 AMB |
| Calcium | 3 | mg/L | | 1 | EPA 200.7 | 09/01/2012 1305 BK |
| Magnesium | ND | mg/L | | 1 | EPA 200.7 | 09/01/2012 1305 BK |
| Potassium | 18 | mg/L | | 1 | EPA 200.7 | 09/01/2012 1305 BK |
| Sodium | 361 | mg/L | | 1 | EPA 200.7 | 09/01/2012 1305 BK |
| Nitrogen, Ammonia (As N) | 0.2 | mg/L | | 0.1 | EPA 350.1 | 08/23/2012 1218 RH |
| Silica as SiO ₂ | 15 | mg/L | | 1 | EPA 200.7 | 08/23/2012 1329 DG |
| General Parameters | | | | | | |
| pH | 8.8 | s.u. | | 0.1 | SM 4500 H B | 08/22/2012 2127 KV |
| Electrical Conductivity | 1500 | µmhos/cm | | 1 | SM 2510B | 08/22/2012 2127 KV |
| Total Dissolved Solids (180) | 1180 | mg/L | | 10 | SM 2540 | 08/22/2012 1427 JCG |
| Data Quality | | | | | | |
| Cation Sum | 16.31 | meq/L | | 0.01 | SM 1030E | 10/11/2012 1305 WN |
| Anion Sum | 15.10 | meq/L | | 0.01 | SM 1030E | 10/11/2012 1305 WN |
| Cation-Anion Balance (± 5%) | 3.85 | % | | 0.01 | SM 1030E | 10/11/2012 1305 WN |
| Solids, Total Dissolved (Calc) | 910 | mg/L | | 10 | SM 1030E | 10/11/2012 1305 WN |
| Calculated TDS/TDS Ratio (0.80-1.20) | 1.30 | dec. % | | 0.01 | Calculation | 10/11/2012 1309 WN |

These results apply only to the samples tested.

RL - Reporting Limit

| | | |
|-------------|--|---|
| Qualifiers: | * Value exceeds Maximum Contaminant Level | B Analyte detected in the associated Method Blank |
| | C Calculated Value | E Value above quantitation range |
| | H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| | L Analyzed by a contract laboratory | M Value exceeds Monthly Ave or MCL |
| | ND Not Detected at the Reporting Limit | O Outside the Range of Dilutions |
| | S Spike Recovery outside accepted recovery limits | |

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Inter-Mountain Labs

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Your Environmental Monitoring Partner

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported: 1/25/2013
Report ID: S1208384002
(Replaces S1208384001)

ProjectName: 3rd-Qtr, Marsland Monitor Wells
Lab ID: S1208384-008
ClientSample ID: Monitor 9
COC:

WorkOrder: S1208384
CollectionDate: 8/20/2012
DateReceived: 8/22/2012 10:10:00 AM
FieldSampler:
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | EPA 200.7 | 08/23/2012 1329 | DG |
| Arsenic | ND | mg/L | | 0.001 | EPA 200.8 | 08/22/2012 1652 | MS |
| Barium | ND | mg/L | | 0.1 | EPA 200.8 | 08/22/2012 1652 | MS |
| Boron | 1.3 | mg/L | | 0.1 | EPA 200.7 | 08/23/2012 1329 | DG |
| Cadmium | ND | mg/L | | 0.005 | EPA 200.8 | 08/22/2012 1652 | MS |
| Chromium | ND | mg/L | | 0.05 | EPA 200.7 | 08/23/2012 1329 | DG |
| Copper | ND | mg/L | | 0.1 | EPA 200.8 | 08/22/2012 1652 | MS |
| Iron | ND | mg/L | | 0.05 | EPA 200.7 | 08/23/2012 1329 | DG |
| Lead | ND | mg/L | | 0.05 | EPA 200.8 | 08/22/2012 1652 | MS |
| Manganese | ND | mg/L | | 0.01 | EPA 200.7 | 08/23/2012 1329 | DG |
| Mercury | ND | mg/L | | 0.001 | EPA 245.1 | 08/24/2012 1150 | CS |
| Molybdenum | ND | mg/L | | 0.1 | EPA 200.8 | 08/22/2012 1652 | MS |
| Nickel | ND | mg/L | | 0.05 | EPA 200.7 | 08/23/2012 1329 | DG |
| Selenium | ND | mg/L | | 0.001 | EPA 200.8 | 08/22/2012 1652 | MS |
| Uranium | 0.0015 | mg/L | | 0.0003 | EPA 200.8 | 08/22/2012 1652 | MS |
| Uranium Activity | 1.0 | pCi/L | | 0.2 | Calculation | 10/11/2012 1309 | WN |
| Vanadium | ND | mg/L | | 0.02 | EPA 200.8 | 08/22/2012 1652 | MS |
| Zinc | ND | mg/L | | 0.01 | EPA 200.7 | 08/23/2012 1329 | DG |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 08/29/2012 2143 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 10/11/2012 1309 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | 2.9 | pCi/L | | 1 | OTW01 | 09/25/2012 1506 | SH |
| Lead 210 Precision (±) | 0.5 | pCi/L | | | OTW01 | 09/25/2012 1506 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 09/25/2012 940 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 09/25/2012 940 | SH |
| Radium 226 | 0.8 | pCi/L | | 0.2 | SM 7500-Ra B | 09/07/2012 000 | SH |
| Radium 226 Precision (±) | 0.1 | pCi/L | | | SM 7500-Ra B | 09/07/2012 000 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 09/20/2012 1234 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 09/20/2012 1234 | MB |
| Thorium 229 Tracer (30-120) | 82.8 | % | | 0.2 | ACW10 | 09/20/2012 1234 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager

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Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 1/25/2013
Report ID: S1208384002
(Replaces S1208384001)

ProjectName: 3rd-Qtr, Marsland Monitor Wells
Lab ID: S1208384-008
ClientSample ID: Monitor 9
COC:

WorkOrder: S1208384
CollectionDate: 8/20/2012
DateReceived: 8/22/2012 10:10:00 AM
FieldSampler:
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|-----|--------------|--------------------|----|
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | 14.3 | pCi/L | | 1 | OTW01 | 09/26/2012 1805 | SH |
| Lead 210 Precision (±) | 1.0 | pCi/L | | | OTW01 | 09/26/2012 1805 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 09/26/2012 1440 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 09/26/2012 1440 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500-Ra B | 09/18/2012 1117 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500-Ra B | 09/18/2012 1117 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 09/15/2012 935 | MB |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 09/15/2012 935 | MB |
| Thorium 229 Tracer (30-120) | 70.5 | % | | 0.2 | ACW10 | 09/15/2012 935 | MB |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples November 2012
Lab ID: C12111077-001
Client Sample ID: 700

Report Date: 01/04/13
Collection Date: 11/26/12
Date Received: 11/30/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0073 | mg/L | | 0.0003 | | E200.8 | 12/20/12 17:37 / cp |
| Uranium, Activity | 4.9E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 12/20/12 17:37 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 12/20/12 20:19 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 12/20/12 20:19 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 12/19/12 02:21 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 12/19/12 02:21 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 12/19/12 02:21 / eli-cs |
| Polonium 210 | <1 | pCi/L | U | 1 | | E912.0 | 12/31/12 11:58 / dmf |
| Polonium 210 precision (±) | 0.4 | pCi/L | | | | E912.0 | 12/31/12 11:58 / dmf |
| Polonium 210 MDC | 1 | pCi/L | | | | E912.0 | 12/31/12 11:58 / dmf |
| Radium 226 | <0.14 | pCi/L | U | 0.14 | | E903.0 | 12/12/12 12:47 / trs |
| Radium 226 precision (±) | 0.1 | pCi/L | | | | E903.0 | 12/12/12 12:47 / trs |
| Radium 226 MDC | 0.14 | pCi/L | | | | E903.0 | 12/12/12 12:47 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 12/13/12 08:58 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 12/13/12 08:58 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 12/13/12 08:58 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.5 | pCi/L | U | 0.5 | | E909.0 | 12/24/12 23:22 / eli-cs |
| Lead 210 precision (±) | 0.3 | pCi/L | | | | E909.0 | 12/24/12 23:22 / eli-cs |
| Lead 210 MDC | 0.5 | pCi/L | | | | E909.0 | 12/24/12 23:22 / eli-cs |
| Polonium 210 | <0.9 | pCi/L | U | 0.9 | | E912.0 | 12/17/12 10:40 / plj |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 12/17/12 10:40 / plj |
| Polonium 210 MDC | 0.9 | pCi/L | | | | E912.0 | 12/17/12 10:40 / plj |
| Radium 226 | <0.12 | pCi/L | U | 0.12 | | E903.0 | 12/20/12 14:14 / trs |
| Radium 226 precision (±) | 0.06 | pCi/L | | | | E903.0 | 12/20/12 14:14 / trs |
| Radium 226 MDC | 0.12 | pCi/L | | | | E903.0 | 12/20/12 14:14 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 12/12/12 10:06 / dmf |
| Thorium 230 precision (±) | 0.04 | pCi/L | | | | E908.0 | 12/12/12 10:06 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 12/12/12 10:06 / dmf |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples November 2012
Lab ID: C12111077-002
Client Sample ID: 702

Report Date: 01/04/13
Collection Date: 11/26/12
Date Received: 11/30/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0041 | mg/L | | 0.0003 | | E200.8 | 12/20/12 17:43 / cp |
| Uranium, Activity | 2.8E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 12/20/12 17:43 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 12/20/12 20:47 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 12/20/12 20:47 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 12/19/12 04:36 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 12/19/12 04:36 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 12/19/12 04:36 / eli-cs |
| Polonium 210 | <0.8 | pCi/L | U | 0.8 | | E912.0 | 12/31/12 11:58 / dmf |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 12/31/12 11:58 / dmf |
| Polonium 210 MDC | 0.8 | pCi/L | | | | E912.0 | 12/31/12 11:58 / dmf |
| Radium 226 | <0.15 | pCi/L | U | 0.15 | | E903.0 | 12/12/12 12:47 / trs |
| Radium 226 precision (±) | 0.06 | pCi/L | | | | E903.0 | 12/12/12 12:47 / trs |
| Radium 226 MDC | 0.15 | pCi/L | | | | E903.0 | 12/12/12 12:47 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 12/13/12 08:58 / dmf |
| Thorium 230 precision (±) | 0.04 | pCi/L | | | | E908.0 | 12/13/12 08:58 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 12/13/12 08:58 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.5 | pCi/L | U | 0.5 | | E909.0 | 12/25/12 01:04 / eli-cs |
| Lead 210 precision (±) | 0.3 | pCi/L | | | | E909.0 | 12/25/12 01:04 / eli-cs |
| Lead 210 MDC | 0.5 | pCi/L | | | | E909.0 | 12/25/12 01:04 / eli-cs |
| Polonium 210 | <0.7 | pCi/L | U | 0.7 | | E912.0 | 12/17/12 10:40 / plj |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 12/17/12 10:40 / plj |
| Polonium 210 MDC | 0.7 | pCi/L | | | | E912.0 | 12/17/12 10:40 / plj |
| Radium 226 | <0.11 | pCi/L | U | 0.11 | | E903.0 | 12/20/12 14:14 / trs |
| Radium 226 precision (±) | 0.06 | pCi/L | | | | E903.0 | 12/20/12 14:14 / trs |
| Radium 226 MDC | 0.11 | pCi/L | | | | E903.0 | 12/20/12 14:14 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 12/12/12 10:06 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 12/12/12 10:06 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 12/12/12 10:06 / dmf |

**Report
Definitions:**

RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



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LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples November 2012
Lab ID: C12111077-012
Client Sample ID: 703

Report Date: 01/04/13
Collection Date: 11/27/12
Date Received: 11/30/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0051 | mg/L | | 0.0003 | | E200.8 | 12/20/12 18:27 / cp |
| Uranium, Activity | 3.5E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 12/20/12 18:27 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 12/20/12 21:15 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 12/20/12 21:15 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 12/20/12 16:34 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 12/20/12 16:34 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 12/20/12 16:34 / eli-cs |
| Polonium 210 | <0.7 | pCi/L | U | 0.7 | | E912.0 | 12/31/12 14:13 / dmf |
| Polonium 210 precision (±) | 0.4 | pCi/L | | | | E912.0 | 12/31/12 14:13 / dmf |
| Polonium 210 MDC | 0.7 | pCi/L | | | | E912.0 | 12/31/12 14:13 / dmf |
| Radium 226 | <0.20 | pCi/L | U | 0.20 | | E903.0 | 12/12/12 14:33 / trs |
| Radium 226 precision (±) | 0.12 | pCi/L | | | | E903.0 | 12/12/12 14:33 / trs |
| Radium 226 MDC | 0.20 | pCi/L | | | | E903.0 | 12/12/12 14:33 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 12/13/12 08:58 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 12/13/12 08:58 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 12/13/12 08:58 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.5 | pCi/L | U | 0.5 | | E909.0 | 12/25/12 18:05 / eli-cs |
| Lead 210 precision (±) | 0.3 | pCi/L | | | | E909.0 | 12/25/12 18:05 / eli-cs |
| Lead 210 MDC | 0.5 | pCi/L | | | | E909.0 | 12/25/12 18:05 / eli-cs |
| Polonium 210 | <0.7 | pCi/L | U | 0.7 | | E912.0 | 12/17/12 10:40 / plj |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 12/17/12 10:40 / plj |
| Polonium 210 MDC | 0.7 | pCi/L | | | | E912.0 | 12/17/12 10:40 / plj |
| Radium 226 | <0.10 | pCi/L | U | 0.10 | | E903.0 | 12/20/12 15:50 / trs |
| Radium 226 precision (±) | 0.06 | pCi/L | | | | E903.0 | 12/20/12 15:50 / trs |
| Radium 226 MDC | 0.10 | pCi/L | | | | E903.0 | 12/20/12 15:50 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 12/12/12 10:06 / dmf |
| Thorium 230 precision (±) | 0.05 | pCi/L | | | | E908.0 | 12/12/12 10:06 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 12/12/12 10:06 / dmf |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples November 2012
Lab ID: C12111077-013
Client Sample ID: 704

Report Date: 01/04/13
Collection Date: 11/27/12
Date Received: 11/30/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0053 | mg/L | | 0.0003 | | E200.8 | 12/20/12 18:28 / cp |
| Uranium, Activity | 3.6E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 12/20/12 18:28 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 12/20/12 21:17 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 12/20/12 21:17 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 12/20/12 18:49 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 12/20/12 18:49 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 12/20/12 18:49 / eli-cs |
| Polonium 210 | <0.9 | pCi/L | U | 0.9 | | E912.0 | 12/31/12 14:13 / dmf |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 12/31/12 14:13 / dmf |
| Polonium 210 MDC | 0.9 | pCi/L | | | | E912.0 | 12/31/12 14:13 / dmf |
| Radium 226 | <0.16 | pCi/L | U | 0.16 | | E903.0 | 12/12/12 14:33 / trs |
| Radium 226 precision (±) | 0.09 | pCi/L | | | | E903.0 | 12/12/12 14:33 / trs |
| Radium 226 MDC | 0.16 | pCi/L | | | | E903.0 | 12/12/12 14:33 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 12/13/12 08:58 / dmf |
| Thorium 230 precision (±) | 0.08 | pCi/L | | | | E908.0 | 12/13/12 08:58 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 12/13/12 08:58 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.5 | pCi/L | U | 0.5 | | E909.0 | 12/25/12 19:47 / eli-cs |
| Lead 210 precision (±) | 0.3 | pCi/L | | | | E909.0 | 12/25/12 19:47 / eli-cs |
| Lead 210 MDC | 0.5 | pCi/L | | | | E909.0 | 12/25/12 19:47 / eli-cs |
| Polonium 210 | <0.7 | pCi/L | U | 0.7 | | E912.0 | 12/17/12 10:40 / plj |
| Polonium 210 precision (±) | 0.5 | pCi/L | | | | E912.0 | 12/17/12 10:40 / plj |
| Polonium 210 MDC | 0.7 | pCi/L | | | | E912.0 | 12/17/12 10:40 / plj |
| Radium 226 | <0.11 | pCi/L | U | 0.11 | | E903.0 | 12/20/12 15:50 / trs |
| Radium 226 precision (±) | 0.05 | pCi/L | | | | E903.0 | 12/20/12 15:50 / trs |
| Radium 226 MDC | 0.11 | pCi/L | | | | E903.0 | 12/20/12 15:50 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 12/12/12 10:06 / dmf |
| Thorium 230 precision (±) | 0.05 | pCi/L | | | | E908.0 | 12/12/12 10:06 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 12/12/12 10:06 / dmf |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



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LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples November 2012
Lab ID: C12111077-025
Client Sample ID: 705

Report Date: 01/04/13
Collection Date: 11/28/12
Date Received: 11/30/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0059 | mg/L | | 0.0003 | | E200.8 | 12/20/12 19:21 / cp |
| Uranium, Activity | 4.0E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 12/20/12 19:21 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 12/31/12 18:35 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 12/31/12 18:35 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 12/27/12 00:53 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 12/27/12 00:53 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 12/27/12 00:53 / eli-cs |
| Polonium 210 | <0.7 | pCi/L | U | 0.7 | | E912.0 | 12/31/12 09:43 / plj |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 12/31/12 09:43 / plj |
| Polonium 210 MDC | 0.7 | pCi/L | | | | E912.0 | 12/31/12 09:43 / plj |
| Radium 226 | <0.18 | pCi/L | U | 0.18 | | E903.0 | 12/13/12 16:58 / trs |
| Radium 226 precision (±) | 0.08 | pCi/L | | | | E903.0 | 12/13/12 16:58 / trs |
| Radium 226 MDC | 0.18 | pCi/L | | | | E903.0 | 12/13/12 16:58 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 12/13/12 09:01 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 12/13/12 09:01 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 12/13/12 09:01 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | 0.9 | pCi/L | | 0.6 | | E909.0 | 12/25/12 05:28 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 12/25/12 05:28 / eli-cs |
| Lead 210 MDC | 0.6 | pCi/L | | | | E909.0 | 12/25/12 05:28 / eli-cs |
| Polonium 210 | <0.7 | pCi/L | U | 0.7 | | E912.0 | 12/18/12 14:22 / dmf |
| Polonium 210 precision (±) | 0.5 | pCi/L | | | | E912.0 | 12/18/12 14:22 / dmf |
| Polonium 210 MDC | 0.7 | pCi/L | | | | E912.0 | 12/18/12 14:22 / dmf |
| Radium 226 | 0.17 | pCi/L | | 0.12 | | E903.0 | 12/18/12 11:24 / trs |
| Radium 226 precision (±) | 0.10 | pCi/L | | | | E903.0 | 12/18/12 11:24 / trs |
| Radium 226 MDC | 0.12 | pCi/L | | | | E903.0 | 12/18/12 11:24 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 12/10/12 09:21 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 12/10/12 09:21 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 12/10/12 09:21 / dmf |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples November 2012
Lab ID: C12111077-026
Client Sample ID: 706

Report Date: 01/04/13
Collection Date: 11/28/12
Date Received: 11/30/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0059 | mg/L | | 0.0003 | | E200.8 | 12/20/12 19:22 / cp |
| Uranium, Activity | 4.0E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 12/20/12 19:22 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 12/31/12 18:38 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 12/31/12 18:38 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 12/27/12 03:09 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 12/27/12 03:09 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 12/27/12 03:09 / eli-cs |
| Polonium 210 | <0.8 | pCi/L | U | 0.8 | | E912.0 | 12/31/12 09:43 / plj |
| Polonium 210 precision (±) | 0.4 | pCi/L | | | | E912.0 | 12/31/12 09:43 / plj |
| Polonium 210 MDC | 0.8 | pCi/L | | | | E912.0 | 12/31/12 09:43 / plj |
| Radium 226 | <0.16 | pCi/L | U | 0.16 | | E903.0 | 12/13/12 16:58 / trs |
| Radium 226 precision (±) | 0.08 | pCi/L | | | | E903.0 | 12/13/12 16:58 / trs |
| Radium 226 MDC | 0.16 | pCi/L | | | | E903.0 | 12/13/12 16:58 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 12/13/12 09:01 / dmf |
| Thorium 230 precision (±) | 0.03 | pCi/L | | | | E908.0 | 12/13/12 09:01 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 12/13/12 09:01 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | 0.6 | pCi/L | | 0.6 | | E909.0 | 12/25/12 07:03 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 12/25/12 07:03 / eli-cs |
| Lead 210 MDC | 0.6 | pCi/L | | | | E909.0 | 12/25/12 07:03 / eli-cs |
| Polonium 210 | <0.5 | pCi/L | U | 0.5 | | E912.0 | 12/18/12 14:22 / dmf |
| Polonium 210 precision (±) | 0.4 | pCi/L | | | | E912.0 | 12/18/12 14:22 / dmf |
| Polonium 210 MDC | 0.5 | pCi/L | | | | E912.0 | 12/18/12 14:22 / dmf |
| Radium 226 | <0.12 | pCi/L | U | 0.12 | | E903.0 | 12/18/12 11:24 / trs |
| Radium 226 precision (±) | 0.07 | pCi/L | | | | E903.0 | 12/18/12 11:24 / trs |
| Radium 226 MDC | 0.12 | pCi/L | | | | E903.0 | 12/18/12 11:24 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 12/10/12 09:21 / dmf |
| Thorium 230 precision (±) | 0.05 | pCi/L | | | | E908.0 | 12/10/12 09:21 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 12/10/12 09:21 / dmf |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples November 2012
Lab ID: C12111077-027
Client Sample ID: 707

Report Date: 01/04/13
Collection Date: 11/28/12
Date Received: 11/30/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0048 | mg/L | | 0.0003 | | E200.8 | 12/20/12 19:24 / cp |
| Uranium, Activity | 3.2E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 12/20/12 19:24 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 12/31/12 18:41 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 12/31/12 18:41 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 12/27/12 05:24 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 12/27/12 05:24 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 12/27/12 05:24 / eli-cs |
| Polonium 210 | <0.7 | pCi/L | U | 0.7 | | E912.0 | 12/31/12 09:43 / plj |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 12/31/12 09:43 / plj |
| Polonium 210 MDC | 0.7 | pCi/L | | | | E912.0 | 12/31/12 09:43 / plj |
| Radium 226 | <0.14 | pCi/L | U | 0.14 | | E903.0 | 12/13/12 16:58 / trs |
| Radium 226 precision (±) | 0.09 | pCi/L | | | | E903.0 | 12/13/12 16:58 / trs |
| Radium 226 MDC | 0.14 | pCi/L | | | | E903.0 | 12/13/12 16:58 / trs |
| Thorium 230 | <0.09 | pCi/L | U | 0.09 | | E908.0 | 12/13/12 09:01 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 12/13/12 09:01 / dmf |
| Thorium 230 MDC | 0.09 | pCi/L | | | | E908.0 | 12/13/12 09:01 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | 0.7 | pCi/L | | 0.6 | | E909.0 | 12/25/12 08:38 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 12/25/12 08:38 / eli-cs |
| Lead 210 MDC | 0.6 | pCi/L | | | | E909.0 | 12/25/12 08:38 / eli-cs |
| Polonium 210 | <0.7 | pCi/L | U | 0.7 | | E912.0 | 12/18/12 14:22 / dmf |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 12/18/12 14:22 / dmf |
| Polonium 210 MDC | 0.7 | pCi/L | | | | E912.0 | 12/18/12 14:22 / dmf |
| Radium 226 | <0.12 | pCi/L | U | 0.12 | | E903.0 | 12/18/12 11:24 / trs |
| Radium 226 precision (±) | 0.07 | pCi/L | | | | E903.0 | 12/18/12 11:24 / trs |
| Radium 226 MDC | 0.12 | pCi/L | | | | E903.0 | 12/18/12 11:24 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 12/10/12 09:21 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 12/10/12 09:21 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 12/10/12 09:21 / dmf |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples November 2012
Lab ID: C12111077-014
Client Sample ID: 714

Report Date: 01/04/13
Collection Date: 11/27/12
Date Received: 11/30/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0060 | mg/L | | 0.0003 | | E200.8 | 12/20/12 18:30 / cp |
| Uranium, Activity | 4.1E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 12/20/12 18:30 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 12/20/12 21:18 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 12/20/12 21:18 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 12/20/12 21:04 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 12/20/12 21:04 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 12/20/12 21:04 / eli-cs |
| Polonium 210 | <0.8 | pCi/L | U | 0.8 | | E912.0 | 12/31/12 14:13 / dmf |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 12/31/12 14:13 / dmf |
| Polonium 210 MDC | 0.8 | pCi/L | | | | E912.0 | 12/31/12 14:13 / dmf |
| Radium 226 | <0.16 | pCi/L | U | 0.16 | | E903.0 | 12/12/12 14:33 / trs |
| Radium 226 precision (±) | 0.08 | pCi/L | | | | E903.0 | 12/12/12 14:33 / trs |
| Radium 226 MDC | 0.16 | pCi/L | | | | E903.0 | 12/12/12 14:33 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 12/13/12 08:58 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 12/13/12 08:58 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 12/13/12 08:58 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.5 | pCi/L | U | 0.5 | | E909.0 | 12/25/12 21:29 / eli-cs |
| Lead 210 precision (±) | 0.3 | pCi/L | | | | E909.0 | 12/25/12 21:29 / eli-cs |
| Lead 210 MDC | 0.5 | pCi/L | | | | E909.0 | 12/25/12 21:29 / eli-cs |
| Polonium 210 | <0.7 | pCi/L | U | 0.7 | | E912.0 | 12/17/12 10:40 / plj |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 12/17/12 10:40 / plj |
| Polonium 210 MDC | 0.7 | pCi/L | | | | E912.0 | 12/17/12 10:40 / plj |
| Radium 226 | <0.11 | pCi/L | U | 0.11 | | E903.0 | 12/20/12 15:50 / trs |
| Radium 226 precision (±) | 0.07 | pCi/L | | | | E903.0 | 12/20/12 15:50 / trs |
| Radium 226 MDC | 0.11 | pCi/L | | | | E903.0 | 12/20/12 15:50 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 12/12/12 10:06 / dmf |
| Thorium 230 precision (±) | 0.05 | pCi/L | | | | E908.0 | 12/12/12 10:06 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 12/12/12 10:06 / dmf |

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

MDC - Minimum detectable concentration

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples November 2012
Lab ID: C12111077-015
Client Sample ID: 719

Report Date: 01/04/13
Collection Date: 11/27/12
Date Received: 11/30/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0065 | mg/L | | 0.0003 | | E200.8 | 12/20/12 18:32 / cp |
| Uranium, Activity | 4.4E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 12/20/12 18:32 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 12/20/12 21:20 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 12/20/12 21:20 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 12/20/12 23:18 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 12/20/12 23:18 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 12/20/12 23:18 / eli-cs |
| Polonium 210 | <0.9 | pCi/L | U | 0.9 | | E912.0 | 12/31/12 14:13 / dmf |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 12/31/12 14:13 / dmf |
| Polonium 210 MDC | 0.9 | pCi/L | | | | E912.0 | 12/31/12 14:13 / dmf |
| Radium 226 | <0.17 | pCi/L | U | 0.17 | | E903.0 | 12/12/12 14:33 / trs |
| Radium 226 precision (±) | 0.08 | pCi/L | | | | E903.0 | 12/12/12 14:33 / trs |
| Radium 226 MDC | 0.17 | pCi/L | | | | E903.0 | 12/12/12 14:33 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 12/13/12 08:58 / dmf |
| Thorium 230 precision (±) | 0.08 | pCi/L | | | | E908.0 | 12/13/12 08:58 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 12/13/12 08:58 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.5 | pCi/L | U | 0.5 | | E909.0 | 12/25/12 23:11 / eli-cs |
| Lead 210 precision (±) | 0.3 | pCi/L | | | | E909.0 | 12/25/12 23:11 / eli-cs |
| Lead 210 MDC | 0.5 | pCi/L | | | | E909.0 | 12/25/12 23:11 / eli-cs |
| Polonium 210 | <0.7 | pCi/L | U | 0.7 | | E912.0 | 12/17/12 10:40 / plj |
| Polonium 210 precision (±) | 0.4 | pCi/L | | | | E912.0 | 12/17/12 10:40 / plj |
| Polonium 210 MDC | 0.7 | pCi/L | | | | E912.0 | 12/17/12 10:40 / plj |
| Radium 226 | <0.11 | pCi/L | U | 0.11 | | E903.0 | 12/20/12 15:50 / trs |
| Radium 226 precision (±) | 0.06 | pCi/L | | | | E903.0 | 12/20/12 15:50 / trs |
| Radium 226 MDC | 0.11 | pCi/L | | | | E903.0 | 12/20/12 15:50 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 12/12/12 10:07 / dmf |
| Thorium 230 precision (±) | 0.04 | pCi/L | | | | E908.0 | 12/12/12 10:07 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 12/12/12 10:07 / dmf |

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

MDC - Minimum detectable concentration

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples November 2012
Lab ID: C12111077-016
Client Sample ID: 720

Report Date: 01/04/13
Collection Date: 11/27/12
Date Received: 11/30/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0082 | mg/L | | 0.0003 | | E200.8 | 12/20/12 18:33 / cp |
| Uranium, Activity | 5.6E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 12/20/12 18:33 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 12/20/12 21:22 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 12/20/12 21:22 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 12/21/12 01:33 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 12/21/12 01:33 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 12/21/12 01:33 / eli-cs |
| Polonium 210 | <0.7 | pCi/L | U | 0.7 | | E912.0 | 12/31/12 14:13 / dmf |
| Polonium 210 precision (±) | 0.4 | pCi/L | | | | E912.0 | 12/31/12 14:13 / dmf |
| Polonium 210 MDC | 0.7 | pCi/L | | | | E912.0 | 12/31/12 14:13 / dmf |
| Radium 226 | <0.14 | pCi/L | U | 0.14 | | E903.0 | 12/12/12 16:09 / trs |
| Radium 226 precision (±) | 0.08 | pCi/L | | | | E903.0 | 12/12/12 16:09 / trs |
| Radium 226 MDC | 0.14 | pCi/L | | | | E903.0 | 12/12/12 16:09 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 12/13/12 08:58 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 12/13/12 08:58 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 12/13/12 08:58 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.5 | pCi/L | U | 0.5 | | E909.0 | 12/26/12 00:53 / eli-cs |
| Lead 210 precision (±) | 0.3 | pCi/L | | | | E909.0 | 12/26/12 00:53 / eli-cs |
| Lead 210 MDC | 0.5 | pCi/L | | | | E909.0 | 12/26/12 00:53 / eli-cs |
| Polonium 210 | <0.9 | pCi/L | U | 0.9 | | E912.0 | 12/17/12 12:17 / plj |
| Polonium 210 precision (±) | 0.4 | pCi/L | | | | E912.0 | 12/17/12 12:17 / plj |
| Polonium 210 MDC | 0.9 | pCi/L | | | | E912.0 | 12/17/12 12:17 / plj |
| Radium 226 | <0.10 | pCi/L | U | 0.10 | | E903.0 | 12/20/12 17:21 / trs |
| Radium 226 precision (±) | 0.06 | pCi/L | | | | E903.0 | 12/20/12 17:21 / trs |
| Radium 226 MDC | 0.10 | pCi/L | | | | E903.0 | 12/20/12 17:21 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 12/12/12 10:07 / dmf |
| Thorium 230 precision (±) | 0.04 | pCi/L | | | | E908.0 | 12/12/12 10:07 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 12/12/12 10:07 / dmf |

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples November 2012
Lab ID: C12111077-017
Client Sample ID: 721

Report Date: 01/04/13
Collection Date: 11/27/12
Date Received: 11/30/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0056 | mg/L | | 0.0003 | | E200.8 | 12/20/12 18:35 / cp |
| Uranium, Activity | 3.8E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 12/20/12 18:35 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 12/26/12 19:08 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 12/26/12 19:08 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 12/21/12 03:48 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 12/21/12 03:48 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 12/21/12 03:48 / eli-cs |
| Polonium 210 | <0.9 | pCi/L | U | 0.9 | | E912.0 | 12/31/12 14:13 / dmf |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 12/31/12 14:13 / dmf |
| Polonium 210 MDC | 0.9 | pCi/L | | | | E912.0 | 12/31/12 14:13 / dmf |
| Radium 226 | <0.15 | pCi/L | U | 0.15 | | E903.0 | 12/12/12 16:09 / trs |
| Radium 226 precision (±) | 0.09 | pCi/L | | | | E903.0 | 12/12/12 16:09 / trs |
| Radium 226 MDC | 0.15 | pCi/L | | | | E903.0 | 12/12/12 16:09 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 12/13/12 08:58 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 12/13/12 08:58 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 12/13/12 08:58 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.5 | pCi/L | U | 0.5 | | E909.0 | 12/26/12 02:36 / eli-cs |
| Lead 210 precision (±) | 0.3 | pCi/L | | | | E909.0 | 12/26/12 02:36 / eli-cs |
| Lead 210 MDC | 0.5 | pCi/L | | | | E909.0 | 12/26/12 02:36 / eli-cs |
| Polonium 210 | <0.6 | pCi/L | U | 0.6 | | E912.0 | 12/17/12 12:17 / plj |
| Polonium 210 precision (±) | 0.4 | pCi/L | | | | E912.0 | 12/17/12 12:17 / plj |
| Polonium 210 MDC | 0.6 | pCi/L | | | | E912.0 | 12/17/12 12:17 / plj |
| Radium 226 | <0.11 | pCi/L | U | 0.11 | | E903.0 | 12/20/12 17:21 / trs |
| Radium 226 precision (±) | 0.07 | pCi/L | | | | E903.0 | 12/20/12 17:21 / trs |
| Radium 226 MDC | 0.11 | pCi/L | | | | E903.0 | 12/20/12 17:21 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 12/12/12 10:07 / dmf |
| Thorium 230 precision (±) | 0.04 | pCi/L | | | | E908.0 | 12/12/12 10:07 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 12/12/12 10:07 / dmf |

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples November 2012
Lab ID: C12111077-018
Client Sample ID: 722

Report Date: 01/04/13
Collection Date: 11/27/12
Date Received: 11/30/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0086 | mg/L | | 0.0003 | | E200.8 | 12/20/12 18:43 / cp |
| Uranium, Activity | 5.8E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 12/20/12 18:43 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 12/26/12 19:25 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 12/26/12 19:25 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 12/21/12 06:02 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 12/21/12 06:02 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 12/21/12 06:02 / eli-cs |
| Polonium 210 | <0.9 | pCi/L | U | 0.9 | | E912.0 | 12/31/12 14:13 / dmf |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 12/31/12 14:13 / dmf |
| Polonium 210 MDC | 0.9 | pCi/L | | | | E912.0 | 12/31/12 14:13 / dmf |
| Radium 226 | <0.15 | pCi/L | U | 0.15 | | E903.0 | 12/12/12 16:09 / trs |
| Radium 226 precision (±) | 0.09 | pCi/L | | | | E903.0 | 12/12/12 16:09 / trs |
| Radium 226 MDC | 0.15 | pCi/L | | | | E903.0 | 12/12/12 16:09 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 12/13/12 08:58 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 12/13/12 08:58 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 12/13/12 08:58 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.5 | pCi/L | U | 0.5 | | E909.0 | 12/26/12 04:18 / eli-cs |
| Lead 210 precision (±) | 0.3 | pCi/L | | | | E909.0 | 12/26/12 04:18 / eli-cs |
| Lead 210 MDC | 0.5 | pCi/L | | | | E909.0 | 12/26/12 04:18 / eli-cs |
| Polonium 210 | <0.6 | pCi/L | U | 0.6 | | E912.0 | 12/17/12 12:17 / plj |
| Polonium 210 precision (±) | 0.4 | pCi/L | | | | E912.0 | 12/17/12 12:17 / plj |
| Polonium 210 MDC | 0.6 | pCi/L | | | | E912.0 | 12/17/12 12:17 / plj |
| Radium 226 | <0.11 | pCi/L | U | 0.11 | | E903.0 | 12/20/12 17:21 / trs |
| Radium 226 precision (±) | 0.07 | pCi/L | | | | E903.0 | 12/20/12 17:21 / trs |
| Radium 226 MDC | 0.11 | pCi/L | | | | E903.0 | 12/20/12 17:21 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 12/12/12 10:07 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 12/12/12 10:07 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 12/12/12 10:07 / dmf |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples November 2012
Lab ID: C12111077-034
Client Sample ID: 725

Report Date: 01/04/13
Collection Date: 11/29/12
Date Received: 11/30/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0075 | mg/L | | 0.0003 | | E200.8 | 12/20/12 19:47 / cp |
| Uranium, Activity | 5.1E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 12/20/12 19:47 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 12/31/12 19:25 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 12/31/12 19:25 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 12/27/12 21:10 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 12/27/12 21:10 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 12/27/12 21:10 / eli-cs |
| Polonium 210 | <0.7 | pCi/L | U | 0.7 | | E912.0 | 12/31/12 09:43 / plj |
| Polonium 210 precision (±) | 0.4 | pCi/L | | | | E912.0 | 12/31/12 09:43 / plj |
| Polonium 210 MDC | 0.7 | pCi/L | | | | E912.0 | 12/31/12 09:43 / plj |
| Radium 226 | <0.16 | pCi/L | U | 0.16 | | E903.0 | 12/13/12 19:04 / trs |
| Radium 226 precision (±) | 0.07 | pCi/L | | | | E903.0 | 12/13/12 19:04 / trs |
| Radium 226 MDC | 0.16 | pCi/L | | | | E903.0 | 12/13/12 19:04 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 12/13/12 13:10 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 12/13/12 13:10 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 12/13/12 13:10 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.6 | pCi/L | U | 0.6 | | E909.0 | 12/25/12 19:43 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 12/25/12 19:43 / eli-cs |
| Lead 210 MDC | 0.6 | pCi/L | | | | E909.0 | 12/25/12 19:43 / eli-cs |
| Polonium 210 | <0.6 | pCi/L | U | 0.6 | | E912.0 | 12/18/12 14:22 / dmf |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 12/18/12 14:22 / dmf |
| Polonium 210 MDC | 0.6 | pCi/L | | | | E912.0 | 12/18/12 14:22 / dmf |
| Radium 226 | <0.13 | pCi/L | U | 0.13 | | E903.0 | 12/18/12 13:11 / trs |
| Radium 226 precision (±) | 0.09 | pCi/L | | | | E903.0 | 12/18/12 13:11 / trs |
| Radium 226 MDC | 0.13 | pCi/L | | | | E903.0 | 12/18/12 13:11 / trs |
| Thorium 230 | <0.09 | pCi/L | U | 0.09 | | E908.0 | 12/10/12 09:22 / dmf |
| Thorium 230 precision (±) | 0.04 | pCi/L | | | | E908.0 | 12/10/12 09:22 / dmf |
| Thorium 230 MDC | 0.09 | pCi/L | | | | E908.0 | 12/10/12 09:22 / dmf |

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

MDC - Minimum detectable concentration

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples November 2012
Lab ID: C12111077-028
Client Sample ID: 727

Report Date: 01/04/13
Collection Date: 11/28/12
Date Received: 11/30/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0104 | mg/L | | 0.0003 | | E200.8 | 12/20/12 19:25 / cp |
| Uranium, Activity | 7.0E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 12/20/12 19:25 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 12/31/12 18:44 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 12/31/12 18:44 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 12/27/12 07:39 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 12/27/12 07:39 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 12/27/12 07:39 / eli-cs |
| Polonium 210 | <0.9 | pCi/L | U | 0.9 | | E912.0 | 12/31/12 09:43 / plj |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 12/31/12 09:43 / plj |
| Polonium 210 MDC | 0.9 | pCi/L | | | | E912.0 | 12/31/12 09:43 / plj |
| Radium 226 | <0.16 | pCi/L | U | 0.16 | | E903.0 | 12/13/12 16:58 / trs |
| Radium 226 precision (±) | 0.09 | pCi/L | | | | E903.0 | 12/13/12 16:58 / trs |
| Radium 226 MDC | 0.16 | pCi/L | | | | E903.0 | 12/13/12 16:58 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 12/13/12 09:01 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 12/13/12 09:01 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 12/13/12 09:01 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | 0.7 | pCi/L | | 0.6 | | E909.0 | 12/25/12 10:13 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 12/25/12 10:13 / eli-cs |
| Lead 210 MDC | 0.6 | pCi/L | | | | E909.0 | 12/25/12 10:13 / eli-cs |
| Polonium 210 | <0.7 | pCi/L | U | 0.7 | | E912.0 | 12/18/12 14:22 / dmf |
| Polonium 210 precision (±) | 0.4 | pCi/L | | | | E912.0 | 12/18/12 14:22 / dmf |
| Polonium 210 MDC | 0.7 | pCi/L | | | | E912.0 | 12/18/12 14:22 / dmf |
| Radium 226 | <0.12 | pCi/L | U | 0.12 | | E903.0 | 12/18/12 13:11 / trs |
| Radium 226 precision (±) | 0.08 | pCi/L | | | | E903.0 | 12/18/12 13:11 / trs |
| Radium 226 MDC | 0.12 | pCi/L | | | | E903.0 | 12/18/12 13:11 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 12/10/12 09:21 / dmf |
| Thorium 230 precision (±) | 0.05 | pCi/L | | | | E908.0 | 12/10/12 09:21 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 12/10/12 09:21 / dmf |

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

MDC - Minimum detectable concentration

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples December 2012
Lab ID: C12120275-005
Client Sample ID: 728

Report Date: 01/09/13
Collection Date: 12/05/12
Date Received: 12/07/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0077 | mg/L | | 0.0003 | | E200.8 | 12/29/12 01:36 / cp |
| Uranium, Activity | 5.2E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 12/29/12 01:36 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 12/29/12 00:53 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 12/29/12 00:53 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 12/30/12 06:53 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 12/30/12 06:53 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 12/30/12 06:53 / eli-cs |
| Polonium 210 | <1 | pCi/L | U | 1 | | E912.0 | 01/07/13 09:37 / plj |
| Polonium 210 precision (±) | 0.6 | pCi/L | | | | E912.0 | 01/07/13 09:37 / plj |
| Polonium 210 MDC | 1 | pCi/L | | | | E912.0 | 01/07/13 09:37 / plj |
| Radium 226 | <0.2 | pCi/L | U | 0.2 | | E903.0 | 12/24/12 09:41 / gb |
| Radium 226 precision (±) | 0.1 | pCi/L | | | | E903.0 | 12/24/12 09:41 / gb |
| Radium 226 MDC | 0.2 | pCi/L | | | | E903.0 | 12/24/12 09:41 / gb |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 12/17/12 14:27 / dmf |
| Thorium 230 precision (±) | 0.04 | pCi/L | | | | E908.0 | 12/17/12 14:27 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 12/17/12 14:27 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.6 | pCi/L | U | 0.6 | | E909.0 | 12/29/12 11:53 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 12/29/12 11:53 / eli-cs |
| Lead 210 MDC | 0.6 | pCi/L | | | | E909.0 | 12/29/12 11:53 / eli-cs |
| Polonium 210 | <0.5 | pCi/L | U | 0.5 | | E912.0 | 01/07/13 11:57 / plj |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 01/07/13 11:57 / plj |
| Polonium 210 MDC | 0.5 | pCi/L | | | | E912.0 | 01/07/13 11:57 / plj |
| Radium 226 | <0.10 | pCi/L | U | 0.10 | | E903.0 | 12/21/12 14:00 / trs |
| Radium 226 precision (±) | 0.05 | pCi/L | | | | E903.0 | 12/21/12 14:00 / trs |
| Radium 226 MDC | 0.10 | pCi/L | | | | E903.0 | 12/21/12 14:00 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 12/18/12 09:31 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 12/18/12 09:31 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 12/18/12 09:31 / dmf |

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

MDC - Minimum detectable concentration

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



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LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples November 2012
Lab ID: C12111077-029
Client Sample ID: 733

Report Date: 01/04/13
Collection Date: 11/28/12
Date Received: 11/30/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0050 | mg/L | | 0.0003 | | E200.8 | 12/20/12 19:27 / cp |
| Uranium, Activity | 3.4E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 12/20/12 19:27 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 12/31/12 18:47 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 12/31/12 18:47 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 12/27/12 09:54 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 12/27/12 09:54 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 12/27/12 09:54 / eli-cs |
| Polonium 210 | <0.6 | pCi/L | U | 0.6 | | E912.0 | 12/31/12 09:43 / plj |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 12/31/12 09:43 / plj |
| Polonium 210 MDC | 0.6 | pCi/L | | | | E912.0 | 12/31/12 09:43 / plj |
| Radium 226 | <0.16 | pCi/L | U | 0.16 | | E903.0 | 12/13/12 16:58 / trs |
| Radium 226 precision (±) | 0.08 | pCi/L | | | | E903.0 | 12/13/12 16:58 / trs |
| Radium 226 MDC | 0.16 | pCi/L | | | | E903.0 | 12/13/12 16:58 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 12/13/12 09:01 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 12/13/12 09:01 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 12/13/12 09:01 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | 0.8 | pCi/L | | 0.6 | | E909.0 | 12/25/12 11:48 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 12/25/12 11:48 / eli-cs |
| Lead 210 MDC | 0.6 | pCi/L | | | | E909.0 | 12/25/12 11:48 / eli-cs |
| Polonium 210 | <0.9 | pCi/L | U | 0.9 | | E912.0 | 12/18/12 14:22 / dmf |
| Polonium 210 precision (±) | 0.6 | pCi/L | | | | E912.0 | 12/18/12 14:22 / dmf |
| Polonium 210 MDC | 0.9 | pCi/L | | | | E912.0 | 12/18/12 14:22 / dmf |
| Radium 226 | <0.12 | pCi/L | U | 0.12 | | E903.0 | 12/18/12 13:11 / trs |
| Radium 226 precision (±) | 0.07 | pCi/L | | | | E903.0 | 12/18/12 13:11 / trs |
| Radium 226 MDC | 0.12 | pCi/L | | | | E903.0 | 12/18/12 13:11 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 12/10/12 09:21 / dmf |
| Thorium 230 precision (±) | 0.05 | pCi/L | | | | E908.0 | 12/10/12 09:21 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 12/10/12 09:21 / dmf |

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

MDC - Minimum detectable concentration

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



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LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples December 2012
Lab ID: C12120275-003
Client Sample ID: 734

Report Date: 01/09/13
Collection Date: 12/05/12
Date Received: 12/07/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0090 | mg/L | | 0.0003 | | E200.8 | 12/29/12 01:29 / cp |
| Uranium, Activity | 6.1E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 12/29/12 01:29 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | 0.0010 | mg/L | | 0.0003 | | E200.8 | 12/29/12 00:47 / cp |
| Uranium, Activity | 6.5E-10 | uCi/mL | | 2.0E-10 | | E200.8 | 12/29/12 00:47 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 12/30/12 02:23 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 12/30/12 02:23 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 12/30/12 02:23 / eli-cs |
| Polonium 210 | <1 | pCi/L | U | 1 | | E912.0 | 01/07/13 09:37 / plj |
| Polonium 210 precision (±) | 0.7 | pCi/L | | | | E912.0 | 01/07/13 09:37 / plj |
| Polonium 210 MDC | 1 | pCi/L | | | | E912.0 | 01/07/13 09:37 / plj |
| Radium 226 | <0.17 | pCi/L | U | 0.17 | | E903.0 | 12/24/12 09:41 / gb |
| Radium 226 precision (±) | 0.09 | pCi/L | | | | E903.0 | 12/24/12 09:41 / gb |
| Radium 226 MDC | 0.17 | pCi/L | | | | E903.0 | 12/24/12 09:41 / gb |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 12/17/12 14:27 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 12/17/12 14:27 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 12/17/12 14:27 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | 0.8 | pCi/L | | 0.6 | | E909.0 | 12/29/12 07:43 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 12/29/12 07:43 / eli-cs |
| Lead 210 MDC | 0.6 | pCi/L | | | | E909.0 | 12/29/12 07:43 / eli-cs |
| Polonium 210 | <0.5 | pCi/L | U | 0.5 | | E912.0 | 01/07/13 11:57 / plj |
| Polonium 210 precision (±) | 0.4 | pCi/L | | | | E912.0 | 01/07/13 11:57 / plj |
| Polonium 210 MDC | 0.5 | pCi/L | | | | E912.0 | 01/07/13 11:57 / plj |
| Radium 226 | <0.11 | pCi/L | U | 0.11 | | E903.0 | 12/21/12 12:06 / trs |
| Radium 226 precision (±) | 0.06 | pCi/L | | | | E903.0 | 12/21/12 12:06 / trs |
| Radium 226 MDC | 0.11 | pCi/L | | | | E903.0 | 12/21/12 12:06 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 12/18/12 09:31 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 12/18/12 09:31 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 12/18/12 09:31 / dmf |

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples November 2012
Lab ID: C12111077-019
Client Sample ID: 739

Report Date: 01/04/13
Collection Date: 11/27/12
Date Received: 11/30/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0114 | mg/L | | 0.0003 | | E200.8 | 12/20/12 18:45 / cp |
| Uranium, Activity | 7.7E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 12/20/12 18:45 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 12/26/12 19:29 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 12/26/12 19:29 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 12/21/12 08:17 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 12/21/12 08:17 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 12/21/12 08:17 / eli-cs |
| Polonium 210 | <0.7 | pCi/L | U | 0.7 | | E912.0 | 12/31/12 14:13 / dmf |
| Polonium 210 precision (±) | 0.4 | pCi/L | | | | E912.0 | 12/31/12 14:13 / dmf |
| Polonium 210 MDC | 0.7 | pCi/L | | | | E912.0 | 12/31/12 14:13 / dmf |
| Radium 226 | <0.16 | pCi/L | U | 0.16 | | E903.0 | 12/12/12 16:09 / trs |
| Radium 226 precision (±) | 0.07 | pCi/L | | | | E903.0 | 12/12/12 16:09 / trs |
| Radium 226 MDC | 0.16 | pCi/L | | | | E903.0 | 12/12/12 16:09 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 12/13/12 08:58 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 12/13/12 08:58 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 12/13/12 08:58 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.5 | pCi/L | U | 0.5 | | E909.0 | 12/26/12 06:00 / eli-cs |
| Lead 210 precision (±) | 0.3 | pCi/L | | | | E909.0 | 12/26/12 06:00 / eli-cs |
| Lead 210 MDC | 0.5 | pCi/L | | | | E909.0 | 12/26/12 06:00 / eli-cs |
| Polonium 210 | <1.0 | pCi/L | U | 1.0 | | E912.0 | 12/17/12 12:17 / plj |
| Polonium 210 precision (±) | 0.5 | pCi/L | | | | E912.0 | 12/17/12 12:17 / plj |
| Polonium 210 MDC | 1.0 | pCi/L | | | | E912.0 | 12/17/12 12:17 / plj |
| Radium 226 | <0.1 | pCi/L | U | 0.1 | | E903.0 | 12/20/12 17:21 / trs |
| Radium 226 precision (±) | 0.04 | pCi/L | | | | E903.0 | 12/20/12 17:21 / trs |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 12/20/12 17:21 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 12/12/12 10:07 / dmf |
| Thorium 230 precision (±) | 0.04 | pCi/L | | | | E908.0 | 12/12/12 10:07 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 12/12/12 10:07 / dmf |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples November 2012
Lab ID: C12111077-020
Client Sample ID: 742

Report Date: 01/04/13
Collection Date: 11/27/12
Date Received: 11/30/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0128 | mg/L | | 0.0003 | | E200.8 | 12/20/12 18:46 / cp |
| Uranium, Activity | 8.7E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 12/20/12 18:46 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 12/26/12 19:51 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 12/26/12 19:51 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 12/21/12 10:32 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 12/21/12 10:32 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 12/21/12 10:32 / eli-cs |
| Polonium 210 | <0.8 | pCi/L | U | 0.8 | | E912.0 | 12/31/12 14:13 / dmf |
| Polonium 210 precision (±) | 0.6 | pCi/L | | | | E912.0 | 12/31/12 14:13 / dmf |
| Polonium 210 MDC | 0.8 | pCi/L | | | | E912.0 | 12/31/12 14:13 / dmf |
| Radium 226 | <0.15 | pCi/L | U | 0.15 | | E903.0 | 12/12/12 16:09 / trs |
| Radium 226 precision (±) | 0.1 | pCi/L | | | | E903.0 | 12/12/12 16:09 / trs |
| Radium 226 MDC | 0.15 | pCi/L | | | | E903.0 | 12/12/12 16:09 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 12/13/12 08:58 / dmf |
| Thorium 230 precision (±) | 0.05 | pCi/L | | | | E908.0 | 12/13/12 08:58 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 12/13/12 08:58 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.5 | pCi/L | U | 0.5 | | E909.0 | 12/26/12 07:42 / eli-cs |
| Lead 210 precision (±) | 0.3 | pCi/L | | | | E909.0 | 12/26/12 07:42 / eli-cs |
| Lead 210 MDC | 0.5 | pCi/L | | | | E909.0 | 12/26/12 07:42 / eli-cs |
| Polonium 210 | <1 | pCi/L | U | 1 | | E912.0 | 12/17/12 12:17 / plj |
| Polonium 210 precision (±) | 0.4 | pCi/L | | | | E912.0 | 12/17/12 12:17 / plj |
| Polonium 210 MDC | 1 | pCi/L | | | | E912.0 | 12/17/12 12:17 / plj |
| Radium 226 | <0.12 | pCi/L | U | 0.12 | | E903.0 | 12/20/12 17:21 / trs |
| Radium 226 precision (±) | 0.06 | pCi/L | | | | E903.0 | 12/20/12 17:21 / trs |
| Radium 226 MDC | 0.12 | pCi/L | | | | E903.0 | 12/20/12 17:21 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 12/12/12 10:07 / dmf |
| Thorium 230 precision (±) | 0.04 | pCi/L | | | | E908.0 | 12/12/12 10:07 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 12/12/12 10:07 / dmf |

Report Definitions: RL - Analyte reporting limit.

QCL - Quality control limit.

MDC - Minimum detectable concentration

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples November 2012
Lab ID: C12111077-003
Client Sample ID: 743

Report Date: 01/04/13
Collection Date: 11/26/12
Date Received: 11/30/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0077 | mg/L | | 0.0003 | | E200.8 | 12/20/12 18:00 / cp |
| Uranium, Activity | 5.2E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 12/20/12 18:00 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 12/20/12 20:49 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 12/20/12 20:49 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 12/19/12 06:52 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 12/19/12 06:52 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 12/19/12 06:52 / eli-cs |
| Polonium 210 | <0.7 | pCi/L | U | 0.7 | | E912.0 | 12/31/12 11:58 / dmf |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 12/31/12 11:58 / dmf |
| Polonium 210 MDC | 0.7 | pCi/L | | | | E912.0 | 12/31/12 11:58 / dmf |
| Radium 226 | <0.15 | pCi/L | U | 0.15 | | E903.0 | 12/12/12 12:47 / trs |
| Radium 226 precision (±) | 0.08 | pCi/L | | | | E903.0 | 12/12/12 12:47 / trs |
| Radium 226 MDC | 0.15 | pCi/L | | | | E903.0 | 12/12/12 12:47 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 12/13/12 08:58 / dmf |
| Thorium 230 precision (±) | 0.09 | pCi/L | | | | E908.0 | 12/13/12 08:58 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 12/13/12 08:58 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.5 | pCi/L | U | 0.5 | | E909.0 | 12/25/12 02:46 / eli-cs |
| Lead 210 precision (±) | 0.3 | pCi/L | | | | E909.0 | 12/25/12 02:46 / eli-cs |
| Lead 210 MDC | 0.5 | pCi/L | | | | E909.0 | 12/25/12 02:46 / eli-cs |
| Polonium 210 | <0.7 | pCi/L | U | 0.7 | | E912.0 | 12/17/12 10:40 / plj |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 12/17/12 10:40 / plj |
| Polonium 210 MDC | 0.7 | pCi/L | | | | E912.0 | 12/17/12 10:40 / plj |
| Radium 226 | <0.10 | pCi/L | U | 0.10 | | E903.0 | 12/20/12 14:14 / trs |
| Radium 226 precision (±) | 0.07 | pCi/L | | | | E903.0 | 12/20/12 14:14 / trs |
| Radium 226 MDC | 0.10 | pCi/L | | | | E903.0 | 12/20/12 14:14 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 12/12/12 10:06 / dmf |
| Thorium 230 precision (±) | 0.05 | pCi/L | | | | E908.0 | 12/12/12 10:06 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 12/12/12 10:06 / dmf |

**Report
Definitions:**

RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples November 2012
Lab ID: C12111077-004
Client Sample ID: 744

Report Date: 01/04/13
Collection Date: 11/26/12
Date Received: 11/30/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0034 | mg/L | | 0.0003 | | E200.8 | 12/20/12 18:01 / cp |
| Uranium, Activity | 2.3E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 12/20/12 18:01 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 12/20/12 20:51 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 12/20/12 20:51 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 12/19/12 09:07 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 12/19/12 09:07 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 12/19/12 09:07 / eli-cs |
| Polonium 210 | <0.8 | pCi/L | U | 0.8 | | E912.0 | 12/31/12 11:58 / dmf |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 12/31/12 11:58 / dmf |
| Polonium 210 MDC | 0.8 | pCi/L | | | | E912.0 | 12/31/12 11:58 / dmf |
| Radium 226 | 0.19 | pCi/L | | 0.16 | | E903.0 | 12/12/12 12:47 / trs |
| Radium 226 precision (±) | 0.13 | pCi/L | | | | E903.0 | 12/12/12 12:47 / trs |
| Radium 226 MDC | 0.16 | pCi/L | | | | E903.0 | 12/12/12 12:47 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 12/13/12 08:58 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 12/13/12 08:58 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 12/13/12 08:58 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.5 | pCi/L | U | 0.5 | | E909.0 | 12/25/12 04:28 / eli-cs |
| Lead 210 precision (±) | 0.3 | pCi/L | | | | E909.0 | 12/25/12 04:28 / eli-cs |
| Lead 210 MDC | 0.5 | pCi/L | | | | E909.0 | 12/25/12 04:28 / eli-cs |
| Polonium 210 | <0.9 | pCi/L | U | 0.9 | | E912.0 | 12/17/12 10:40 / plj |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 12/17/12 10:40 / plj |
| Polonium 210 MDC | 0.9 | pCi/L | | | | E912.0 | 12/17/12 10:40 / plj |
| Radium 226 | <0.10 | pCi/L | U | 0.10 | | E903.0 | 12/20/12 14:14 / trs |
| Radium 226 precision (±) | 0.07 | pCi/L | | | | E903.0 | 12/20/12 14:14 / trs |
| Radium 226 MDC | 0.10 | pCi/L | | | | E903.0 | 12/20/12 14:14 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 12/12/12 10:06 / dmf |
| Thorium 230 precision (±) | 0.05 | pCi/L | | | | E908.0 | 12/12/12 10:06 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 12/12/12 10:06 / dmf |

**Report
Definitions:**

RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples November 2012
Lab ID: C12111077-005
Client Sample ID: 745

Report Date: 01/04/13
Collection Date: 11/26/12
Date Received: 11/30/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0282 | mg/L | | 0.0003 | | E200.8 | 12/20/12 18:04 / cp |
| Uranium, Activity | 1.9E-08 | uCi/mL | | 2.0E-10 | | E200.8 | 12/20/12 18:04 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 12/20/12 20:52 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 12/20/12 20:52 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 12/19/12 11:22 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 12/19/12 11:22 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 12/19/12 11:22 / eli-cs |
| Polonium 210 | <0.7 | pCi/L | U | 0.7 | | E912.0 | 12/31/12 11:58 / dmf |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 12/31/12 11:58 / dmf |
| Polonium 210 MDC | 0.7 | pCi/L | | | | E912.0 | 12/31/12 11:58 / dmf |
| Radium 226 | <0.16 | pCi/L | U | 0.16 | | E903.0 | 12/12/12 12:47 / trs |
| Radium 226 precision (±) | 0.07 | pCi/L | | | | E903.0 | 12/12/12 12:47 / trs |
| Radium 226 MDC | 0.16 | pCi/L | | | | E903.0 | 12/12/12 12:47 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 12/13/12 08:58 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 12/13/12 08:58 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 12/13/12 08:58 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.5 | pCi/L | U | 0.5 | | E909.0 | 12/25/12 06:11 / eli-cs |
| Lead 210 precision (±) | 0.3 | pCi/L | | | | E909.0 | 12/25/12 06:11 / eli-cs |
| Lead 210 MDC | 0.5 | pCi/L | | | | E909.0 | 12/25/12 06:11 / eli-cs |
| Polonium 210 | <0.8 | pCi/L | U | 0.8 | | E912.0 | 12/17/12 10:40 / plj |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 12/17/12 10:40 / plj |
| Polonium 210 MDC | 0.8 | pCi/L | | | | E912.0 | 12/17/12 10:40 / plj |
| Radium 226 | <0.10 | pCi/L | U | 0.10 | | E903.0 | 12/20/12 14:14 / trs |
| Radium 226 precision (±) | 0.07 | pCi/L | | | | E903.0 | 12/20/12 14:14 / trs |
| Radium 226 MDC | 0.10 | pCi/L | | | | E903.0 | 12/20/12 14:14 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 12/12/12 10:06 / dmf |
| Thorium 230 precision (±) | 0.05 | pCi/L | | | | E908.0 | 12/12/12 10:06 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 12/12/12 10:06 / dmf |

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

MDC - Minimum detectable concentration

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples November 2012
Lab ID: C12111077-035
Client Sample ID: 746

Report Date: 01/04/13
Collection Date: 11/29/12
Date Received: 11/30/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0075 | mg/L | | 0.0003 | | E200.8 | 12/20/12 19:48 / cp |
| Uranium, Activity | 5.1E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 12/20/12 19:48 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 12/31/12 19:28 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 12/31/12 19:28 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 12/27/12 23:26 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 12/27/12 23:26 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 12/27/12 23:26 / eli-cs |
| Polonium 210 | <1 | pCi/L | U | 1 | | E912.0 | 12/31/12 11:57 / plj |
| Polonium 210 precision (±) | 0.4 | pCi/L | | | | E912.0 | 12/31/12 11:57 / plj |
| Polonium 210 MDC | 1 | pCi/L | | | | E912.0 | 12/31/12 11:57 / plj |
| Radium 226 | <0.15 | pCi/L | U | 0.15 | | E903.0 | 12/13/12 19:04 / trs |
| Radium 226 precision (±) | 0.06 | pCi/L | | | | E903.0 | 12/13/12 19:04 / trs |
| Radium 226 MDC | 0.15 | pCi/L | | | | E903.0 | 12/13/12 19:04 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 12/13/12 13:10 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 12/13/12 13:10 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 12/13/12 13:10 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.6 | pCi/L | U | 0.6 | | E909.0 | 12/25/12 21:18 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 12/25/12 21:18 / eli-cs |
| Lead 210 MDC | 0.6 | pCi/L | | | | E909.0 | 12/25/12 21:18 / eli-cs |
| Polonium 210 | <0.5 | pCi/L | U | 0.5 | | E912.0 | 12/18/12 14:22 / dmf |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 12/18/12 14:22 / dmf |
| Polonium 210 MDC | 0.5 | pCi/L | | | | E912.0 | 12/18/12 14:22 / dmf |
| Radium 226 | <0.12 | pCi/L | U | 0.12 | | E903.0 | 12/18/12 13:11 / trs |
| Radium 226 precision (±) | 0.07 | pCi/L | | | | E903.0 | 12/18/12 13:11 / trs |
| Radium 226 MDC | 0.12 | pCi/L | | | | E903.0 | 12/18/12 13:11 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 12/10/12 09:22 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 12/10/12 09:22 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 12/10/12 09:22 / dmf |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples November 2012
Lab ID: C12111077-006
Client Sample ID: 747

Report Date: 01/04/13
Collection Date: 11/26/12
Date Received: 11/30/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0061 | mg/L | | 0.0003 | | E200.8 | 12/20/12 18:06 / cp |
| Uranium, Activity | 4.2E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 12/20/12 18:06 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 12/20/12 20:54 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 12/20/12 20:54 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 12/20/12 03:06 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 12/20/12 03:06 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 12/20/12 03:06 / eli-cs |
| Polonium 210 | <1 | pCi/L | U | 1 | | E912.0 | 12/31/12 11:58 / dmf |
| Polonium 210 precision (±) | 0.4 | pCi/L | | | | E912.0 | 12/31/12 11:58 / dmf |
| Polonium 210 MDC | 1 | pCi/L | | | | E912.0 | 12/31/12 11:58 / dmf |
| Radium 226 | <0.14 | pCi/L | U | 0.14 | | E903.0 | 12/12/12 12:47 / trs |
| Radium 226 precision (±) | 0.07 | pCi/L | | | | E903.0 | 12/12/12 12:47 / trs |
| Radium 226 MDC | 0.14 | pCi/L | | | | E903.0 | 12/12/12 12:47 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 12/13/12 08:58 / dmf |
| Thorium 230 precision (±) | 0.05 | pCi/L | | | | E908.0 | 12/13/12 08:58 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 12/13/12 08:58 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.5 | pCi/L | U | 0.5 | | E909.0 | 12/25/12 07:53 / eli-cs |
| Lead 210 precision (±) | 0.3 | pCi/L | | | | E909.0 | 12/25/12 07:53 / eli-cs |
| Lead 210 MDC | 0.5 | pCi/L | | | | E909.0 | 12/25/12 07:53 / eli-cs |
| Polonium 210 | <0.5 | pCi/L | U | 0.5 | | E912.0 | 12/17/12 10:40 / plj |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 12/17/12 10:40 / plj |
| Polonium 210 MDC | 0.5 | pCi/L | | | | E912.0 | 12/17/12 10:40 / plj |
| Radium 226 | <0.09 | pCi/L | U | 0.09 | | E903.0 | 12/20/12 14:14 / trs |
| Radium 226 precision (±) | 0.05 | pCi/L | | | | E903.0 | 12/20/12 14:14 / trs |
| Radium 226 MDC | 0.09 | pCi/L | | | | E903.0 | 12/20/12 14:14 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 12/12/12 10:06 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 12/12/12 10:06 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 12/12/12 10:06 / dmf |

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

MDC - Minimum detectable concentration

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples November 2012
Lab ID: C12111077-007
Client Sample ID: 748

Report Date: 01/04/13
Collection Date: 11/26/12
Date Received: 11/30/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0043 | mg/L | | 0.0003 | | E200.8 | 12/20/12 18:07 / cp |
| Uranium, Activity | 2.9E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 12/20/12 18:07 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 12/20/12 20:55 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 12/20/12 20:55 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 12/20/12 05:21 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 12/20/12 05:21 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 12/20/12 05:21 / eli-cs |
| Polonium 210 | <0.8 | pCi/L | U | 0.8 | | E912.0 | 12/31/12 14:13 / dmf |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 12/31/12 14:13 / dmf |
| Polonium 210 MDC | 0.8 | pCi/L | | | | E912.0 | 12/31/12 14:13 / dmf |
| Radium 226 | <0.15 | pCi/L | U | 0.15 | | E903.0 | 12/12/12 12:47 / trs |
| Radium 226 precision (±) | 0.09 | pCi/L | | | | E903.0 | 12/12/12 12:47 / trs |
| Radium 226 MDC | 0.15 | pCi/L | | | | E903.0 | 12/12/12 12:47 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 12/13/12 08:58 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 12/13/12 08:58 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 12/13/12 08:58 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.5 | pCi/L | U | 0.5 | | E909.0 | 12/25/12 09:35 / eli-cs |
| Lead 210 precision (±) | 0.3 | pCi/L | | | | E909.0 | 12/25/12 09:35 / eli-cs |
| Lead 210 MDC | 0.5 | pCi/L | | | | E909.0 | 12/25/12 09:35 / eli-cs |
| Polonium 210 | <0.8 | pCi/L | U | 0.8 | | E912.0 | 12/17/12 10:40 / plj |
| Polonium 210 precision (±) | 0.5 | pCi/L | | | | E912.0 | 12/17/12 10:40 / plj |
| Polonium 210 MDC | 0.8 | pCi/L | | | | E912.0 | 12/17/12 10:40 / plj |
| Radium 226 | <0.11 | pCi/L | U | 0.11 | | E903.0 | 12/20/12 14:14 / trs |
| Radium 226 precision (±) | 0.05 | pCi/L | | | | E903.0 | 12/20/12 14:14 / trs |
| Radium 226 MDC | 0.11 | pCi/L | | | | E903.0 | 12/20/12 14:14 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 12/12/12 10:06 / dmf |
| Thorium 230 precision (±) | 0.05 | pCi/L | | | | E908.0 | 12/12/12 10:06 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 12/12/12 10:06 / dmf |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples November 2012
Lab ID: C12111077-008
Client Sample ID: 750

Report Date: 01/04/13
Collection Date: 11/26/12
Date Received: 11/30/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0058 | mg/L | | 0.0003 | | E200.8 | 12/20/12 18:09 / cp |
| Uranium, Activity | 3.9E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 12/20/12 18:09 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 12/20/12 20:57 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 12/20/12 20:57 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 12/20/12 07:36 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 12/20/12 07:36 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 12/20/12 07:36 / eli-cs |
| Polonium 210 | <1 | pCi/L | U | 1 | | E912.0 | 12/31/12 14:13 / dmf |
| Polonium 210 precision (±) | 0.7 | pCi/L | | | | E912.0 | 12/31/12 14:13 / dmf |
| Polonium 210 MDC | 1 | pCi/L | | | | E912.0 | 12/31/12 14:13 / dmf |
| Radium 226 | <0.15 | pCi/L | U | 0.15 | | E903.0 | 12/12/12 12:47 / trs |
| Radium 226 precision (±) | 0.09 | pCi/L | | | | E903.0 | 12/12/12 12:47 / trs |
| Radium 226 MDC | 0.15 | pCi/L | | | | E903.0 | 12/12/12 12:47 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 12/13/12 08:58 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 12/13/12 08:58 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 12/13/12 08:58 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.5 | pCi/L | U | 0.5 | | E909.0 | 12/25/12 11:17 / eli-cs |
| Lead 210 precision (±) | 0.3 | pCi/L | | | | E909.0 | 12/25/12 11:17 / eli-cs |
| Lead 210 MDC | 0.5 | pCi/L | | | | E909.0 | 12/25/12 11:17 / eli-cs |
| Polonium 210 | <0.9 | pCi/L | U | 0.9 | | E912.0 | 12/17/12 10:40 / plj |
| Polonium 210 precision (±) | 0.4 | pCi/L | | | | E912.0 | 12/17/12 10:40 / plj |
| Polonium 210 MDC | 0.9 | pCi/L | | | | E912.0 | 12/17/12 10:40 / plj |
| Radium 226 | <0.11 | pCi/L | U | 0.11 | | E903.0 | 12/20/12 15:50 / trs |
| Radium 226 precision (±) | 0.06 | pCi/L | | | | E903.0 | 12/20/12 15:50 / trs |
| Radium 226 MDC | 0.11 | pCi/L | | | | E903.0 | 12/20/12 15:50 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 12/12/12 10:06 / dmf |
| Thorium 230 precision (±) | 0.04 | pCi/L | | | | E908.0 | 12/12/12 10:06 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 12/12/12 10:06 / dmf |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples November 2012
Lab ID: C12111077-021
Client Sample ID: 752

Report Date: 01/04/13
Collection Date: 11/27/12
Date Received: 11/30/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0087 | mg/L | | 0.0003 | | E200.8 | 12/20/12 18:48 / cp |
| Uranium, Activity | 5.9E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 12/20/12 18:48 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 12/31/12 18:00 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 12/31/12 18:00 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 12/21/12 12:46 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 12/21/12 12:46 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 12/21/12 12:46 / eli-cs |
| Polonium 210 | <1 | pCi/L | U | 1 | | E912.0 | 12/31/12 09:43 / plj |
| Polonium 210 precision (±) | 0.6 | pCi/L | | | | E912.0 | 12/31/12 09:43 / plj |
| Polonium 210 MDC | 1 | pCi/L | | | | E912.0 | 12/31/12 09:43 / plj |
| Radium 226 | <0.12 | pCi/L | U | 0.15 | | E903.0 | 12/13/12 16:58 / trs |
| Radium 226 precision (±) | 0.09 | pCi/L | | | | E903.0 | 12/13/12 16:58 / trs |
| Radium 226 MDC | 0.15 | pCi/L | | | | E903.0 | 12/13/12 16:58 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 12/13/12 09:01 / dmf |
| Thorium 230 precision (±) | 0.08 | pCi/L | | | | E908.0 | 12/13/12 09:01 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 12/13/12 09:01 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.6 | pCi/L | U | 0.6 | | E909.0 | 12/24/12 23:08 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 12/24/12 23:08 / eli-cs |
| Lead 210 MDC | 0.6 | pCi/L | | | | E909.0 | 12/24/12 23:08 / eli-cs |
| Polonium 210 | <0.8 | pCi/L | U | 0.8 | | E912.0 | 12/18/12 14:22 / dmf |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 12/18/12 14:22 / dmf |
| Polonium 210 MDC | 0.8 | pCi/L | | | | E912.0 | 12/18/12 14:22 / dmf |
| Radium 226 | <0.12 | pCi/L | U | 0.12 | | E903.0 | 12/18/12 11:24 / trs |
| Radium 226 precision (±) | 0.06 | pCi/L | | | | E903.0 | 12/18/12 11:24 / trs |
| Radium 226 MDC | 0.12 | pCi/L | | | | E903.0 | 12/18/12 11:24 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 12/10/12 09:21 / dmf |
| Thorium 230 precision (±) | 0.04 | pCi/L | | | | E908.0 | 12/10/12 09:21 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 12/10/12 09:21 / dmf |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples November 2012
Lab ID: C12111077-022
Client Sample ID: 753

Report Date: 01/04/13
Collection Date: 11/27/12
Date Received: 11/30/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0055 | mg/L | | 0.0003 | | E200.8 | 12/20/12 19:16 / cp |
| Uranium, Activity | 3.7E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 12/20/12 19:16 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 12/31/12 18:12 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 12/31/12 18:12 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 12/21/12 15:01 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 12/21/12 15:01 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 12/21/12 15:01 / eli-cs |
| Polonium 210 | <0.8 | pCi/L | U | 0.8 | | E912.0 | 12/31/12 09:43 / plj |
| Polonium 210 precision (±) | 0.4 | pCi/L | | | | E912.0 | 12/31/12 09:43 / plj |
| Polonium 210 MDC | 0.8 | pCi/L | | | | E912.0 | 12/31/12 09:43 / plj |
| Radium 226 | <0.18 | pCi/L | U | 0.18 | | E903.0 | 12/13/12 16:58 / trs |
| Radium 226 precision (±) | 0.09 | pCi/L | | | | E903.0 | 12/13/12 16:58 / trs |
| Radium 226 MDC | 0.18 | pCi/L | | | | E903.0 | 12/13/12 16:58 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 12/13/12 09:01 / dmf |
| Thorium 230 precision (±) | 0.04 | pCi/L | | | | E908.0 | 12/13/12 09:01 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 12/13/12 09:01 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | 0.6 | pCi/L | | 0.6 | | E909.0 | 12/25/12 00:43 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 12/25/12 00:43 / eli-cs |
| Lead 210 MDC | 0.6 | pCi/L | | | | E909.0 | 12/25/12 00:43 / eli-cs |
| Polonium 210 | <0.6 | pCi/L | U | 0.6 | | E912.0 | 12/18/12 14:22 / dmf |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 12/18/12 14:22 / dmf |
| Polonium 210 MDC | 0.6 | pCi/L | | | | E912.0 | 12/18/12 14:22 / dmf |
| Radium 226 | <0.12 | pCi/L | U | 0.12 | | E903.0 | 12/18/12 11:24 / trs |
| Radium 226 precision (±) | 0.08 | pCi/L | | | | E903.0 | 12/18/12 11:24 / trs |
| Radium 226 MDC | 0.12 | pCi/L | | | | E903.0 | 12/18/12 11:24 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 12/10/12 09:21 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 12/10/12 09:21 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 12/10/12 09:21 / dmf |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples November 2012
Lab ID: C12111077-023
Client Sample ID: 754

Report Date: 01/04/13
Collection Date: 11/27/12
Date Received: 11/30/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0077 | mg/L | | 0.0003 | | E200.8 | 12/20/12 19:17 / cp |
| Uranium, Activity | 5.2E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 12/20/12 19:17 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 12/31/12 18:15 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 12/31/12 18:15 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 12/21/12 17:16 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 12/21/12 17:16 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 12/21/12 17:16 / eli-cs |
| Polonium 210 | <0.8 | pCi/L | U | 0.8 | | E912.0 | 12/31/12 09:43 / plj |
| Polonium 210 precision (±) | 0.4 | pCi/L | | | | E912.0 | 12/31/12 09:43 / plj |
| Polonium 210 MDC | 0.8 | pCi/L | | | | E912.0 | 12/31/12 09:43 / plj |
| Radium 226 | <0.19 | pCi/L | U | 0.19 | | E903.0 | 12/13/12 16:58 / trs |
| Radium 226 precision (±) | 0.1 | pCi/L | | | | E903.0 | 12/13/12 16:58 / trs |
| Radium 226 MDC | 0.19 | pCi/L | | | | E903.0 | 12/13/12 16:58 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 12/13/12 09:01 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 12/13/12 09:01 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 12/13/12 09:01 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | 0.6 | pCi/L | | 0.6 | | E909.0 | 12/25/12 02:18 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 12/25/12 02:18 / eli-cs |
| Lead 210 MDC | 0.6 | pCi/L | | | | E909.0 | 12/25/12 02:18 / eli-cs |
| Polonium 210 | <0.6 | pCi/L | U | 0.6 | | E912.0 | 12/18/12 14:22 / dmf |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 12/18/12 14:22 / dmf |
| Polonium 210 MDC | 0.6 | pCi/L | | | | E912.0 | 12/18/12 14:22 / dmf |
| Radium 226 | <0.13 | pCi/L | U | 0.13 | | E903.0 | 12/18/12 11:24 / trs |
| Radium 226 precision (±) | 0.08 | pCi/L | | | | E903.0 | 12/18/12 11:24 / trs |
| Radium 226 MDC | 0.13 | pCi/L | | | | E903.0 | 12/18/12 11:24 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 12/10/12 09:21 / dmf |
| Thorium 230 precision (±) | 0.04 | pCi/L | | | | E908.0 | 12/10/12 09:21 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 12/10/12 09:21 / dmf |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples November 2012
Lab ID: C12111077-030
Client Sample ID: 755

Report Date: 01/04/13
Collection Date: 11/28/12
Date Received: 11/30/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0052 | mg/L | | 0.0003 | | E200.8 | 12/20/12 19:29 / cp |
| Uranium, Activity | 3.5E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 12/20/12 19:29 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 12/31/12 18:50 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 12/31/12 18:50 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 12/27/12 12:10 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 12/27/12 12:10 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 12/27/12 12:10 / eli-cs |
| Polonium 210 | <0.8 | pCi/L | U | 0.8 | | E912.0 | 12/31/12 09:43 / plj |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 12/31/12 09:43 / plj |
| Polonium 210 MDC | 0.8 | pCi/L | | | | E912.0 | 12/31/12 09:43 / plj |
| Radium 226 | <0.15 | pCi/L | U | 0.15 | | E903.0 | 12/13/12 19:04 / trs |
| Radium 226 precision (±) | 0.08 | pCi/L | | | | E903.0 | 12/13/12 19:04 / trs |
| Radium 226 MDC | 0.15 | pCi/L | | | | E903.0 | 12/13/12 19:04 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 12/13/12 09:01 / dmf |
| Thorium 230 precision (±) | 0.1 | pCi/L | | | | E908.0 | 12/13/12 09:01 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 12/13/12 09:01 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | 0.9 | pCi/L | | 0.6 | | E909.0 | 12/25/12 13:23 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 12/25/12 13:23 / eli-cs |
| Lead 210 MDC | 0.6 | pCi/L | | | | E909.0 | 12/25/12 13:23 / eli-cs |
| Polonium 210 | <0.6 | pCi/L | U | 0.6 | | E912.0 | 12/18/12 14:22 / dmf |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 12/18/12 14:22 / dmf |
| Polonium 210 MDC | 0.6 | pCi/L | | | | E912.0 | 12/18/12 14:22 / dmf |
| Radium 226 | <0.12 | pCi/L | U | 0.12 | | E903.0 | 12/18/12 13:11 / trs |
| Radium 226 precision (±) | 0.07 | pCi/L | | | | E903.0 | 12/18/12 13:11 / trs |
| Radium 226 MDC | 0.12 | pCi/L | | | | E903.0 | 12/18/12 13:11 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 12/10/12 09:21 / dmf |
| Thorium 230 precision (±) | 0.04 | pCi/L | | | | E908.0 | 12/10/12 09:21 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 12/10/12 09:21 / dmf |

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

MDC - Minimum detectable concentration

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples November 2012
Lab ID: C12111077-031
Client Sample ID: 760

Report Date: 01/04/13
Collection Date: 11/28/12
Date Received: 11/30/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0069 | mg/L | | 0.0003 | | E200.8 | 12/20/12 19:37 / cp |
| Uranium, Activity | 4.7E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 12/20/12 19:37 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 12/31/12 18:54 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 12/31/12 18:54 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 12/27/12 14:25 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 12/27/12 14:25 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 12/27/12 14:25 / eli-cs |
| Polonium 210 | <0.8 | pCi/L | U | 0.8 | | E912.0 | 12/31/12 09:43 / plj |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 12/31/12 09:43 / plj |
| Polonium 210 MDC | 0.8 | pCi/L | | | | E912.0 | 12/31/12 09:43 / plj |
| Radium 226 | <0.16 | pCi/L | U | 0.16 | | E903.0 | 12/13/12 19:04 / trs |
| Radium 226 precision (±) | 0.09 | pCi/L | | | | E903.0 | 12/13/12 19:04 / trs |
| Radium 226 MDC | 0.16 | pCi/L | | | | E903.0 | 12/13/12 19:04 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 12/13/12 09:01 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 12/13/12 09:01 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 12/13/12 09:01 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.6 | pCi/L | U | 0.6 | | E909.0 | 12/25/12 14:58 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 12/25/12 14:58 / eli-cs |
| Lead 210 MDC | 0.6 | pCi/L | | | | E909.0 | 12/25/12 14:58 / eli-cs |
| Polonium 210 | <0.7 | pCi/L | U | 0.7 | | E912.0 | 12/18/12 14:22 / dmf |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 12/18/12 14:22 / dmf |
| Polonium 210 MDC | 0.7 | pCi/L | | | | E912.0 | 12/18/12 14:22 / dmf |
| Radium 226 | <0.12 | pCi/L | U | 0.12 | | E903.0 | 12/18/12 13:11 / trs |
| Radium 226 precision (±) | 0.08 | pCi/L | | | | E903.0 | 12/18/12 13:11 / trs |
| Radium 226 MDC | 0.12 | pCi/L | | | | E903.0 | 12/18/12 13:11 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 12/10/12 09:22 / dmf |
| Thorium 230 precision (±) | 0.05 | pCi/L | | | | E908.0 | 12/10/12 09:22 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 12/10/12 09:22 / dmf |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples November 2012
Lab ID: C12111077-024
Client Sample ID: 777

Report Date: 01/04/13
Collection Date: 11/27/12
Date Received: 11/30/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0136 | mg/L | | 0.0003 | | E200.8 | 12/20/12 19:19 / cp |
| Uranium, Activity | 9.2E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 12/20/12 19:19 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 12/31/12 18:31 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 12/31/12 18:31 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 12/21/12 19:30 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 12/21/12 19:30 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 12/21/12 19:30 / eli-cs |
| Polonium 210 | <1 | pCi/L | U | 1 | | E912.0 | 12/31/12 09:43 / plj |
| Polonium 210 precision (±) | 0.4 | pCi/L | | | | E912.0 | 12/31/12 09:43 / plj |
| Polonium 210 MDC | 1 | pCi/L | | | | E912.0 | 12/31/12 09:43 / plj |
| Radium 226 | <0.17 | pCi/L | U | 0.17 | | E903.0 | 12/13/12 16:58 / trs |
| Radium 226 precision (±) | 0.08 | pCi/L | | | | E903.0 | 12/13/12 16:58 / trs |
| Radium 226 MDC | 0.17 | pCi/L | | | | E903.0 | 12/13/12 16:58 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 12/13/12 09:01 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 12/13/12 09:01 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 12/13/12 09:01 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | 0.7 | pCi/L | | 0.6 | | E909.0 | 12/25/12 03:53 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 12/25/12 03:53 / eli-cs |
| Lead 210 MDC | 0.6 | pCi/L | | | | E909.0 | 12/25/12 03:53 / eli-cs |
| Polonium 210 | <0.8 | pCi/L | U | 0.8 | | E912.0 | 12/18/12 14:22 / dmf |
| Polonium 210 precision (±) | 0.4 | pCi/L | | | | E912.0 | 12/18/12 14:22 / dmf |
| Polonium 210 MDC | 0.8 | pCi/L | | | | E912.0 | 12/18/12 14:22 / dmf |
| Radium 226 | <0.12 | pCi/L | U | 0.12 | | E903.0 | 12/18/12 11:24 / trs |
| Radium 226 precision (±) | 0.05 | pCi/L | | | | E903.0 | 12/18/12 11:24 / trs |
| Radium 226 MDC | 0.12 | pCi/L | | | | E903.0 | 12/18/12 11:24 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 12/10/12 09:21 / dmf |
| Thorium 230 precision (±) | 0.09 | pCi/L | | | | E908.0 | 12/10/12 09:21 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 12/10/12 09:21 / dmf |

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

MDC - Minimum detectable concentration

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples December 2012
Lab ID: C12120275-004
Client Sample ID: 788

Report Date: 01/09/13
Collection Date: 12/05/12
Date Received: 12/07/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0076 | mg/L | | 0.0003 | | E200.8 | 12/29/12 01:32 / cp |
| Uranium, Activity | 5.1E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 12/29/12 01:32 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 12/29/12 00:50 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 12/29/12 00:50 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 12/30/12 04:38 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 12/30/12 04:38 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 12/30/12 04:38 / eli-cs |
| Polonium 210 | <0.7 | pCi/L | U | 0.7 | | E912.0 | 01/07/13 09:37 / plj |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 01/07/13 09:37 / plj |
| Polonium 210 MDC | 0.7 | pCi/L | | | | E912.0 | 01/07/13 09:37 / plj |
| Radium 226 | 0.21 | pCi/L | | 0.18 | | E903.0 | 12/24/12 09:41 / gb |
| Radium 226 precision (±) | 0.14 | pCi/L | | | | E903.0 | 12/24/12 09:41 / gb |
| Radium 226 MDC | 0.18 | pCi/L | | | | E903.0 | 12/24/12 09:41 / gb |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 12/17/12 14:27 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 12/17/12 14:27 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 12/17/12 14:27 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.6 | pCi/L | U | 0.6 | | E909.0 | 12/29/12 09:48 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 12/29/12 09:48 / eli-cs |
| Lead 210 MDC | 0.6 | pCi/L | | | | E909.0 | 12/29/12 09:48 / eli-cs |
| Polonium 210 | <0.4 | pCi/L | U | 0.4 | | E912.0 | 01/07/13 11:57 / plj |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 01/07/13 11:57 / plj |
| Polonium 210 MDC | 0.4 | pCi/L | | | | E912.0 | 01/07/13 11:57 / plj |
| Radium 226 | <0.10 | pCi/L | U | 0.10 | | E903.0 | 12/21/12 14:00 / trs |
| Radium 226 precision (±) | 0.06 | pCi/L | | | | E903.0 | 12/21/12 14:00 / trs |
| Radium 226 MDC | 0.10 | pCi/L | | | | E903.0 | 12/21/12 14:00 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 12/18/12 09:31 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 12/18/12 09:31 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 12/18/12 09:31 / dmf |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



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LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples December 2012
Lab ID: C12120275-002
Client Sample ID: 794

Report Date: 01/09/13
Collection Date: 12/05/12
Date Received: 12/07/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0063 | mg/L | | 0.0003 | | E200.8 | 12/29/12 01:26 / cp |
| Uranium, Activity | 4.3E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 12/29/12 01:26 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 12/29/12 00:43 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 12/29/12 00:43 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 12/30/12 00:08 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 12/30/12 00:08 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 12/30/12 00:08 / eli-cs |
| Polonium 210 | <0.9 | pCi/L | U | 0.9 | | E912.0 | 01/07/13 09:37 / plj |
| Polonium 210 precision (±) | 0.4 | pCi/L | | | | E912.0 | 01/07/13 09:37 / plj |
| Polonium 210 MDC | 0.9 | pCi/L | | | | E912.0 | 01/07/13 09:37 / plj |
| Radium 226 | <0.18 | pCi/L | U | 0.18 | | E903.0 | 12/24/12 09:41 / gb |
| Radium 226 precision (±) | 0.11 | pCi/L | | | | E903.0 | 12/24/12 09:41 / gb |
| Radium 226 MDC | 0.18 | pCi/L | | | | E903.0 | 12/24/12 09:41 / gb |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 12/17/12 14:27 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 12/17/12 14:27 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 12/17/12 14:27 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | 0.7 | pCi/L | | 0.6 | | E909.0 | 12/29/12 05:38 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 12/29/12 05:38 / eli-cs |
| Lead 210 MDC | 0.6 | pCi/L | | | | E909.0 | 12/29/12 05:38 / eli-cs |
| Polonium 210 | <0.5 | pCi/L | U | 0.5 | | E912.0 | 01/07/13 11:57 / plj |
| Polonium 210 precision (±) | 0.4 | pCi/L | | | | E912.0 | 01/07/13 11:57 / plj |
| Polonium 210 MDC | 0.5 | pCi/L | | | | E912.0 | 01/07/13 11:57 / plj |
| Radium 226 | <0.10 | pCi/L | U | 0.10 | | E903.0 | 12/21/12 12:06 / trs |
| Radium 226 precision (±) | 0.05 | pCi/L | | | | E903.0 | 12/21/12 12:06 / trs |
| Radium 226 MDC | 0.10 | pCi/L | | | | E903.0 | 12/21/12 12:06 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 12/18/12 09:31 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 12/18/12 09:31 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 12/18/12 09:31 / dmf |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples December 2012
Lab ID: C12120275-001
Client Sample ID: 795

Report Date: 01/09/13
Collection Date: 12/05/12
Date Received: 12/07/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0062 | mg/L | | 0.0003 | | E200.8 | 12/29/12 01:23 / cp |
| Uranium, Activity | 4.2E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 12/29/12 01:23 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 12/29/12 00:40 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 12/29/12 00:40 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 12/29/12 21:53 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 12/29/12 21:53 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 12/29/12 21:53 / eli-cs |
| Polonium 210 | <1 | pCi/L | U | 1 | | E912.0 | 01/07/13 09:37 / plj |
| Polonium 210 precision (±) | 0.4 | pCi/L | | | | E912.0 | 01/07/13 09:37 / plj |
| Polonium 210 MDC | 1 | pCi/L | | | | E912.0 | 01/07/13 09:37 / plj |
| Radium 226 | <0.19 | pCi/L | U | 0.19 | | E903.0 | 12/24/12 09:41 / gb |
| Radium 226 precision (±) | 0.13 | pCi/L | | | | E903.0 | 12/24/12 09:41 / gb |
| Radium 226 MDC | 0.19 | pCi/L | | | | E903.0 | 12/24/12 09:41 / gb |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 12/17/12 14:27 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 12/17/12 14:27 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 12/17/12 14:27 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | 0.6 | pCi/L | | 0.6 | | E909.0 | 12/29/12 03:33 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 12/29/12 03:33 / eli-cs |
| Lead 210 MDC | 0.6 | pCi/L | | | | E909.0 | 12/29/12 03:33 / eli-cs |
| Polonium 210 | <0.5 | pCi/L | U | 0.5 | | E912.0 | 01/07/13 11:57 / plj |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 01/07/13 11:57 / plj |
| Polonium 210 MDC | 0.5 | pCi/L | | | | E912.0 | 01/07/13 11:57 / plj |
| Radium 226 | <0.11 | pCi/L | U | 0.11 | | E903.0 | 12/21/12 12:06 / trs |
| Radium 226 precision (±) | 0.08 | pCi/L | | | | E903.0 | 12/21/12 12:06 / trs |
| Radium 226 MDC | 0.11 | pCi/L | | | | E903.0 | 12/21/12 12:06 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 12/18/12 09:31 / dmf |
| Thorium 230 precision (±) | 0.09 | pCi/L | | | | E908.0 | 12/18/12 09:31 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 12/18/12 09:31 / dmf |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples November 2012
Lab ID: C12111077-036
Client Sample ID: 799

Report Date: 01/04/13
Collection Date: 11/29/12
Date Received: 11/30/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0086 | mg/L | | 0.0003 | | E200.8 | 12/20/12 19:50 / cp |
| Uranium, Activity | 5.9E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 12/20/12 19:50 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 12/31/12 19:31 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 12/31/12 19:31 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 12/28/12 01:41 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 12/28/12 01:41 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 12/28/12 01:41 / eli-cs |
| Polonium 210 | <0.8 | pCi/L | U | 0.8 | | E912.0 | 12/31/12 11:57 / plj |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 12/31/12 11:57 / plj |
| Polonium 210 MDC | 0.8 | pCi/L | | | | E912.0 | 12/31/12 11:57 / plj |
| Radium 226 | <0.15 | pCi/L | U | 0.15 | | E903.0 | 12/13/12 19:04 / trs |
| Radium 226 precision (±) | 0.06 | pCi/L | | | | E903.0 | 12/13/12 19:04 / trs |
| Radium 226 MDC | 0.15 | pCi/L | | | | E903.0 | 12/13/12 19:04 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 12/13/12 13:10 / dmf |
| Thorium 230 precision (±) | 0.04 | pCi/L | | | | E908.0 | 12/13/12 13:10 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 12/13/12 13:10 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.6 | pCi/L | U | 0.6 | | E909.0 | 12/25/12 22:53 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 12/25/12 22:53 / eli-cs |
| Lead 210 MDC | 0.6 | pCi/L | | | | E909.0 | 12/25/12 22:53 / eli-cs |
| Polonium 210 | <0.7 | pCi/L | U | 0.7 | | E912.0 | 12/18/12 14:22 / dmf |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 12/18/12 14:22 / dmf |
| Polonium 210 MDC | 0.7 | pCi/L | | | | E912.0 | 12/18/12 14:22 / dmf |
| Radium 226 | <0.13 | pCi/L | U | 0.13 | | E903.0 | 12/18/12 15:08 / trs |
| Radium 226 precision (±) | 0.07 | pCi/L | | | | E903.0 | 12/18/12 15:08 / trs |
| Radium 226 MDC | 0.13 | pCi/L | | | | E903.0 | 12/18/12 15:08 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 12/10/12 09:22 / dmf |
| Thorium 230 precision (±) | 0.05 | pCi/L | | | | E908.0 | 12/10/12 09:22 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 12/10/12 09:22 / dmf |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples November 2012
Lab ID: C12111077-037
Client Sample ID: 802

Report Date: 01/04/13
Collection Date: 11/29/12
Date Received: 11/30/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0050 | mg/L | | 0.0003 | | E200.8 | 12/20/12 19:58 / cp |
| Uranium, Activity | 3.4E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 12/20/12 19:58 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 12/31/12 19:34 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 12/31/12 19:34 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 12/28/12 03:56 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 12/28/12 03:56 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 12/28/12 03:56 / eli-cs |
| Polonium 210 | <0.8 | pCi/L | U | 0.8 | | E912.0 | 12/31/12 11:57 / plj |
| Polonium 210 precision (±) | 0.4 | pCi/L | | | | E912.0 | 12/31/12 11:57 / plj |
| Polonium 210 MDC | 0.8 | pCi/L | | | | E912.0 | 12/31/12 11:57 / plj |
| Radium 226 | <0.17 | pCi/L | U | 0.17 | | E903.0 | 12/13/12 19:04 / trs |
| Radium 226 precision (±) | 0.10 | pCi/L | | | | E903.0 | 12/13/12 19:04 / trs |
| Radium 226 MDC | 0.17 | pCi/L | | | | E903.0 | 12/13/12 19:04 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 12/13/12 13:10 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 12/13/12 13:10 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 12/13/12 13:10 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.6 | pCi/L | U | 0.6 | | E909.0 | 12/26/12 00:28 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 12/26/12 00:28 / eli-cs |
| Lead 210 MDC | 0.6 | pCi/L | | | | E909.0 | 12/26/12 00:28 / eli-cs |
| Polonium 210 | <0.7 | pCi/L | U | 0.7 | | E912.0 | 12/18/12 16:02 / dmf |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 12/18/12 16:02 / dmf |
| Polonium 210 MDC | 0.7 | pCi/L | | | | E912.0 | 12/18/12 16:02 / dmf |
| Radium 226 | <0.13 | pCi/L | U | 0.13 | | E903.0 | 12/18/12 15:08 / trs |
| Radium 226 precision (±) | 0.07 | pCi/L | | | | E903.0 | 12/18/12 15:08 / trs |
| Radium 226 MDC | 0.13 | pCi/L | | | | E903.0 | 12/18/12 15:08 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 12/10/12 09:22 / dmf |
| Thorium 230 precision (±) | 0.04 | pCi/L | | | | E908.0 | 12/10/12 09:22 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 12/10/12 09:22 / dmf |

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

MDC - Minimum detectable concentration

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples November 2012
Lab ID: C12111077-038
Client Sample ID: 809

Report Date: 01/04/13
Collection Date: 11/29/12
Date Received: 11/30/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0079 | mg/L | | 0.0003 | | E200.8 | 12/20/12 20:00 / cp |
| Uranium, Activity | 5.4E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 12/20/12 20:00 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 12/31/12 19:38 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 12/31/12 19:38 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 12/28/12 06:11 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 12/28/12 06:11 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 12/28/12 06:11 / eli-cs |
| Polonium 210 | <0.8 | pCi/L | U | 0.8 | | E912.0 | 12/31/12 11:57 / plj |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 12/31/12 11:57 / plj |
| Polonium 210 MDC | 0.8 | pCi/L | | | | E912.0 | 12/31/12 11:57 / plj |
| Radium 226 | <0.17 | pCi/L | U | 0.17 | | E903.0 | 12/13/12 21:05 / trs |
| Radium 226 precision (±) | 0.07 | pCi/L | | | | E903.0 | 12/13/12 21:05 / trs |
| Radium 226 MDC | 0.17 | pCi/L | | | | E903.0 | 12/13/12 21:05 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 12/13/12 13:10 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 12/13/12 13:10 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 12/13/12 13:10 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.6 | pCi/L | U | 0.6 | | E909.0 | 12/26/12 02:03 / eli-cs |
| Lead 210 precision (±) | 0.3 | pCi/L | | | | E909.0 | 12/26/12 02:03 / eli-cs |
| Lead 210 MDC | 0.6 | pCi/L | | | | E909.0 | 12/26/12 02:03 / eli-cs |
| Polonium 210 | <0.6 | pCi/L | U | 0.6 | | E912.0 | 12/18/12 16:02 / dmf |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 12/18/12 16:02 / dmf |
| Polonium 210 MDC | 0.6 | pCi/L | | | | E912.0 | 12/18/12 16:02 / dmf |
| Radium 226 | <0.12 | pCi/L | U | 0.12 | | E903.0 | 12/18/12 15:08 / trs |
| Radium 226 precision (±) | 0.05 | pCi/L | | | | E903.0 | 12/18/12 15:08 / trs |
| Radium 226 MDC | 0.12 | pCi/L | | | | E903.0 | 12/18/12 15:08 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 12/10/12 09:22 / dmf |
| Thorium 230 precision (±) | 0.04 | pCi/L | | | | E908.0 | 12/10/12 09:22 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 12/10/12 09:22 / dmf |

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

MDC - Minimum detectable concentration

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples November 2012
Lab ID: C12111077-039
Client Sample ID: 810

Report Date: 01/04/13
Collection Date: 11/29/12
Date Received: 11/30/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0039 | mg/L | | 0.0003 | | E200.8 | 12/20/12 20:01 / cp |
| Uranium, Activity | 2.6E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 12/20/12 20:01 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 12/31/12 19:54 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 12/31/12 19:54 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 12/28/12 08:26 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 12/28/12 08:26 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 12/28/12 08:26 / eli-cs |
| Polonium 210 | <0.8 | pCi/L | U | 0.8 | | E912.0 | 12/31/12 11:57 / plj |
| Polonium 210 precision (±) | 0.4 | pCi/L | | | | E912.0 | 12/31/12 11:57 / plj |
| Polonium 210 MDC | 0.8 | pCi/L | | | | E912.0 | 12/31/12 11:57 / plj |
| Radium 226 | <0.15 | pCi/L | U | 0.15 | | E903.0 | 12/13/12 21:05 / trs |
| Radium 226 precision (±) | 0.08 | pCi/L | | | | E903.0 | 12/13/12 21:05 / trs |
| Radium 226 MDC | 0.15 | pCi/L | | | | E903.0 | 12/13/12 21:05 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 12/13/12 13:10 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 12/13/12 13:10 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 12/13/12 13:10 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.6 | pCi/L | U | 0.6 | | E909.0 | 12/26/12 03:38 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 12/26/12 03:38 / eli-cs |
| Lead 210 MDC | 0.6 | pCi/L | | | | E909.0 | 12/26/12 03:38 / eli-cs |
| Polonium 210 | <0.5 | pCi/L | U | 0.5 | | E912.0 | 12/18/12 16:02 / dmf |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 12/18/12 16:02 / dmf |
| Polonium 210 MDC | 0.5 | pCi/L | | | | E912.0 | 12/18/12 16:02 / dmf |
| Radium 226 | <0.14 | pCi/L | U | 0.14 | | E903.0 | 12/18/12 15:08 / trs |
| Radium 226 precision (±) | 0.07 | pCi/L | | | | E903.0 | 12/18/12 15:08 / trs |
| Radium 226 MDC | 0.14 | pCi/L | | | | E903.0 | 12/18/12 15:08 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 12/10/12 09:22 / dmf |
| Thorium 230 precision (±) | 0.04 | pCi/L | | | | E908.0 | 12/10/12 09:22 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 12/10/12 09:22 / dmf |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples November 2012
Lab ID: C12111077-040
Client Sample ID: 811

Report Date: 01/04/13
Collection Date: 11/29/12
Date Received: 11/30/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0071 | mg/L | | 0.0003 | | E200.8 | 12/20/12 20:03 / cp |
| Uranium, Activity | 4.8E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 12/20/12 20:03 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | 0.0004 | mg/L | | 0.0003 | | E200.8 | 12/31/12 19:57 / cp |
| Uranium, Activity | 2.5E-10 | uCi/mL | | 2.0E-10 | | E200.8 | 12/31/12 19:57 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 12/28/12 10:42 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 12/28/12 10:42 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 12/28/12 10:42 / eli-cs |
| Polonium 210 | <0.7 | pCi/L | U | 0.7 | | E912.0 | 12/31/12 11:57 / plj |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 12/31/12 11:57 / plj |
| Polonium 210 MDC | 0.7 | pCi/L | | | | E912.0 | 12/31/12 11:57 / plj |
| Radium 226 | <0.17 | pCi/L | U | 0.17 | | E903.0 | 12/13/12 21:05 / trs |
| Radium 226 precision (±) | 0.08 | pCi/L | | | | E903.0 | 12/13/12 21:05 / trs |
| Radium 226 MDC | 0.17 | pCi/L | | | | E903.0 | 12/13/12 21:05 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 12/13/12 13:10 / dmf |
| Thorium 230 precision (±) | 0.09 | pCi/L | | | | E908.0 | 12/13/12 13:10 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 12/13/12 13:10 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 12/26/12 05:13 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 12/26/12 05:13 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 12/26/12 05:13 / eli-cs |
| Polonium 210 | <0.6 | pCi/L | U | 0.6 | | E912.0 | 12/18/12 16:02 / dmf |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 12/18/12 16:02 / dmf |
| Polonium 210 MDC | 0.6 | pCi/L | | | | E912.0 | 12/18/12 16:02 / dmf |
| Radium 226 | <0.14 | pCi/L | U | 0.14 | | E903.0 | 12/18/12 15:08 / trs |
| Radium 226 precision (±) | 0.05 | pCi/L | | | | E903.0 | 12/18/12 15:08 / trs |
| Radium 226 MDC | 0.14 | pCi/L | | | | E903.0 | 12/18/12 15:08 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 12/10/12 09:22 / dmf |
| Thorium 230 precision (±) | 0.05 | pCi/L | | | | E908.0 | 12/10/12 09:22 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 12/10/12 09:22 / dmf |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples November 2012
Lab ID: C12111077-032
Client Sample ID: 815

Report Date: 01/04/13
Collection Date: 11/28/12
Date Received: 11/30/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0055 | mg/L | | 0.0003 | | E200.8 | 12/20/12 19:43 / cp |
| Uranium, Activity | 3.7E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 12/20/12 19:43 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 12/31/12 19:19 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 12/31/12 19:19 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 12/27/12 16:40 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 12/27/12 16:40 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 12/27/12 16:40 / eli-cs |
| Polonium 210 | <0.8 | pCi/L | U | 0.8 | | E912.0 | 12/31/12 09:43 / plj |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 12/31/12 09:43 / plj |
| Polonium 210 MDC | 0.8 | pCi/L | | | | E912.0 | 12/31/12 09:43 / plj |
| Radium 226 | <0.14 | pCi/L | U | 0.14 | | E903.0 | 12/13/12 19:04 / trs |
| Radium 226 precision (±) | 0.07 | pCi/L | | | | E903.0 | 12/13/12 19:04 / trs |
| Radium 226 MDC | 0.14 | pCi/L | | | | E903.0 | 12/13/12 19:04 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 12/13/12 09:01 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 12/13/12 09:01 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 12/13/12 09:01 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.6 | pCi/L | U | 0.6 | | E909.0 | 12/25/12 16:33 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 12/25/12 16:33 / eli-cs |
| Lead 210 MDC | 0.6 | pCi/L | | | | E909.0 | 12/25/12 16:33 / eli-cs |
| Polonium 210 | <0.7 | pCi/L | U | 0.7 | | E912.0 | 12/18/12 14:22 / dmf |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 12/18/12 14:22 / dmf |
| Polonium 210 MDC | 0.7 | pCi/L | | | | E912.0 | 12/18/12 14:22 / dmf |
| Radium 226 | <0.12 | pCi/L | U | 0.12 | | E903.0 | 12/18/12 13:11 / trs |
| Radium 226 precision (±) | 0.07 | pCi/L | | | | E903.0 | 12/18/12 13:11 / trs |
| Radium 226 MDC | 0.12 | pCi/L | | | | E903.0 | 12/18/12 13:11 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 12/10/12 09:22 / dmf |
| Thorium 230 precision (±) | 0.03 | pCi/L | | | | E908.0 | 12/10/12 09:22 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 12/10/12 09:22 / dmf |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples November 2012
Lab ID: C12111077-033
Client Sample ID: 821

Report Date: 01/04/13
Collection Date: 11/28/12
Date Received: 11/30/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0060 | mg/L | | 0.0003 | | E200.8 | 12/20/12 19:45 / cp |
| Uranium, Activity | 4.1E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 12/20/12 19:45 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 12/31/12 19:22 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 12/31/12 19:22 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 12/27/12 18:55 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 12/27/12 18:55 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 12/27/12 18:55 / eli-cs |
| Polonium 210 | <0.7 | pCi/L | U | 0.7 | | E912.0 | 12/31/12 09:43 / plj |
| Polonium 210 precision (±) | 0.4 | pCi/L | | | | E912.0 | 12/31/12 09:43 / plj |
| Polonium 210 MDC | 0.7 | pCi/L | | | | E912.0 | 12/31/12 09:43 / plj |
| Radium 226 | <0.15 | pCi/L | U | 0.15 | | E903.0 | 12/13/12 19:04 / trs |
| Radium 226 precision (±) | 0.08 | pCi/L | | | | E903.0 | 12/13/12 19:04 / trs |
| Radium 226 MDC | 0.15 | pCi/L | | | | E903.0 | 12/13/12 19:04 / trs |
| Thorium 230 | <0.08 | pCi/L | U | 0.08 | | E908.0 | 12/13/12 09:01 / dmf |
| Thorium 230 precision (±) | 0.05 | pCi/L | | | | E908.0 | 12/13/12 09:01 / dmf |
| Thorium 230 MDC | 0.08 | pCi/L | | | | E908.0 | 12/13/12 09:01 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.6 | pCi/L | U | 0.6 | | E909.0 | 12/25/12 18:08 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 12/25/12 18:08 / eli-cs |
| Lead 210 MDC | 0.6 | pCi/L | | | | E909.0 | 12/25/12 18:08 / eli-cs |
| Polonium 210 | <0.7 | pCi/L | U | 0.7 | | E912.0 | 12/18/12 14:22 / dmf |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 12/18/12 14:22 / dmf |
| Polonium 210 MDC | 0.7 | pCi/L | | | | E912.0 | 12/18/12 14:22 / dmf |
| Radium 226 | <0.12 | pCi/L | U | 0.12 | | E903.0 | 12/18/12 13:11 / trs |
| Radium 226 precision (±) | 0.07 | pCi/L | | | | E903.0 | 12/18/12 13:11 / trs |
| Radium 226 MDC | 0.12 | pCi/L | | | | E903.0 | 12/18/12 13:11 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 12/10/12 09:22 / dmf |
| Thorium 230 precision (±) | 0.04 | pCi/L | | | | E908.0 | 12/10/12 09:22 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 12/10/12 09:22 / dmf |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples November 2012
Lab ID: C12111077-009
Client Sample ID: 836

Report Date: 01/04/13
Collection Date: 11/26/12
Date Received: 11/30/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0066 | mg/L | | 0.0003 | | E200.8 | 12/20/12 18:11 / cp |
| Uranium, Activity | 4.5E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 12/20/12 18:11 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 12/20/12 20:59 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 12/20/12 20:59 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 12/20/12 09:50 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 12/20/12 09:50 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 12/20/12 09:50 / eli-cs |
| Polonium 210 | <1 | pCi/L | U | 1 | | E912.0 | 12/31/12 14:13 / dmf |
| Polonium 210 precision (±) | 0.6 | pCi/L | | | | E912.0 | 12/31/12 14:13 / dmf |
| Polonium 210 MDC | 1 | pCi/L | | | | E912.0 | 12/31/12 14:13 / dmf |
| Radium 226 | <0.16 | pCi/L | U | 0.16 | | E903.0 | 12/12/12 14:33 / trs |
| Radium 226 precision (±) | 0.07 | pCi/L | | | | E903.0 | 12/12/12 14:33 / trs |
| Radium 226 MDC | 0.16 | pCi/L | | | | E903.0 | 12/12/12 14:33 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 12/13/12 08:58 / dmf |
| Thorium 230 precision (±) | 0.05 | pCi/L | | | | E908.0 | 12/13/12 08:58 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 12/13/12 08:58 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.5 | pCi/L | U | 0.5 | | E909.0 | 12/25/12 12:59 / eli-cs |
| Lead 210 precision (±) | 0.3 | pCi/L | | | | E909.0 | 12/25/12 12:59 / eli-cs |
| Lead 210 MDC | 0.5 | pCi/L | | | | E909.0 | 12/25/12 12:59 / eli-cs |
| Polonium 210 | <0.5 | pCi/L | U | 0.5 | | E912.0 | 12/17/12 10:40 / plj |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 12/17/12 10:40 / plj |
| Polonium 210 MDC | 0.5 | pCi/L | | | | E912.0 | 12/17/12 10:40 / plj |
| Radium 226 | <0.10 | pCi/L | U | 0.10 | | E903.0 | 12/20/12 15:50 / trs |
| Radium 226 precision (±) | 0.06 | pCi/L | | | | E903.0 | 12/20/12 15:50 / trs |
| Radium 226 MDC | 0.10 | pCi/L | | | | E903.0 | 12/20/12 15:50 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 12/12/12 10:06 / dmf |
| Thorium 230 precision (±) | 0.04 | pCi/L | | | | E908.0 | 12/12/12 10:06 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 12/12/12 10:06 / dmf |

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples November 2012
Lab ID: C12111077-010
Client Sample ID: 841

Report Date: 01/04/13
Collection Date: 11/26/12
Date Received: 11/30/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0055 | mg/L | | 0.0003 | | E200.8 | 12/20/12 18:12 / cp |
| Uranium, Activity | 3.7E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 12/20/12 18:12 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 12/20/12 21:00 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 12/20/12 21:00 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 12/20/12 12:05 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 12/20/12 12:05 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 12/20/12 12:05 / eli-cs |
| Polonium 210 | <1 | pCi/L | U | 1 | | E912.0 | 12/31/12 14:13 / dmf |
| Polonium 210 precision (±) | 0.5 | pCi/L | | | | E912.0 | 12/31/12 14:13 / dmf |
| Polonium 210 MDC | 1 | pCi/L | | | | E912.0 | 12/31/12 14:13 / dmf |
| Radium 226 | <0.15 | pCi/L | U | 0.15 | | E903.0 | 12/12/12 14:33 / trs |
| Radium 226 precision (±) | 0.06 | pCi/L | | | | E903.0 | 12/12/12 14:33 / trs |
| Radium 226 MDC | 0.15 | pCi/L | | | | E903.0 | 12/12/12 14:33 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 12/13/12 08:58 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 12/13/12 08:58 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 12/13/12 08:58 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.5 | pCi/L | U | 0.5 | | E909.0 | 12/25/12 14:41 / eli-cs |
| Lead 210 precision (±) | 0.3 | pCi/L | | | | E909.0 | 12/25/12 14:41 / eli-cs |
| Lead 210 MDC | 0.5 | pCi/L | | | | E909.0 | 12/25/12 14:41 / eli-cs |
| Polonium 210 | <0.7 | pCi/L | U | 0.7 | | E912.0 | 12/17/12 10:40 / plj |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 12/17/12 10:40 / plj |
| Polonium 210 MDC | 0.7 | pCi/L | | | | E912.0 | 12/17/12 10:40 / plj |
| Radium 226 | <0.10 | pCi/L | U | 0.10 | | E903.0 | 12/20/12 15:50 / trs |
| Radium 226 precision (±) | 0.06 | pCi/L | | | | E903.0 | 12/20/12 15:50 / trs |
| Radium 226 MDC | 0.10 | pCi/L | | | | E903.0 | 12/20/12 15:50 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 12/12/12 10:06 / dmf |
| Thorium 230 precision (±) | 0.04 | pCi/L | | | | E908.0 | 12/12/12 10:06 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 12/12/12 10:06 / dmf |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples November 2012
Lab ID: C12111077-011
Client Sample ID: 845

Report Date: 01/04/13
Collection Date: 11/26/12
Date Received: 11/30/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0056 | mg/L | | 0.0003 | | E200.8 | 12/20/12 18:14 / cp |
| Uranium, Activity | 3.8E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 12/20/12 18:14 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 12/20/12 21:09 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 12/20/12 21:09 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 12/20/12 14:20 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 12/20/12 14:20 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 12/20/12 14:20 / eli-cs |
| Polonium 210 | <1 | pCi/L | U | 1 | | E912.0 | 12/31/12 14:13 / dmf |
| Polonium 210 precision (±) | 0.4 | pCi/L | | | | E912.0 | 12/31/12 14:13 / dmf |
| Polonium 210 MDC | 1 | pCi/L | | | | E912.0 | 12/31/12 14:13 / dmf |
| Radium 226 | <0.18 | pCi/L | U | 0.18 | | E903.0 | 12/12/12 14:33 / trs |
| Radium 226 precision (±) | 0.08 | pCi/L | | | | E903.0 | 12/12/12 14:33 / trs |
| Radium 226 MDC | 0.18 | pCi/L | | | | E903.0 | 12/12/12 14:33 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 12/13/12 08:58 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 12/13/12 08:58 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 12/13/12 08:58 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.5 | pCi/L | U | 0.5 | | E909.0 | 12/25/12 16:23 / eli-cs |
| Lead 210 precision (±) | 0.3 | pCi/L | | | | E909.0 | 12/25/12 16:23 / eli-cs |
| Lead 210 MDC | 0.5 | pCi/L | | | | E909.0 | 12/25/12 16:23 / eli-cs |
| Polonium 210 | <0.6 | pCi/L | U | 0.6 | | E912.0 | 12/17/12 10:40 / plj |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 12/17/12 10:40 / plj |
| Polonium 210 MDC | 0.6 | pCi/L | | | | E912.0 | 12/17/12 10:40 / plj |
| Radium 226 | <0.11 | pCi/L | U | 0.11 | | E903.0 | 12/20/12 15:50 / trs |
| Radium 226 precision (±) | 0.06 | pCi/L | | | | E903.0 | 12/20/12 15:50 / trs |
| Radium 226 MDC | 0.11 | pCi/L | | | | E903.0 | 12/20/12 15:50 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 12/12/12 10:06 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 12/12/12 10:06 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 12/12/12 10:06 / dmf |

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples June 2012
Lab ID: C12060907-008
Client Sample ID: Well #700

Report Date: 07/31/12
Collection Date: 06/18/12
Date Received: 06/21/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0060 | mg/L | | 0.0003 | | E200.8 | 06/29/12 17:24 / cp |
| Uranium, Activity | 4.1E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 06/29/12 17:24 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 07/02/12 18:50 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 07/02/12 18:50 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 07/09/12 11:58 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 07/09/12 11:58 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 07/09/12 11:58 / eli-cs |
| Polonium 210 | 1.7 | pCi/L | | 0.6 | | E912.0 | 07/05/12 13:14 / plj |
| Polonium 210 precision (±) | 0.9 | pCi/L | | | | E912.0 | 07/05/12 13:14 / plj |
| Polonium 210 MDC | 0.6 | pCi/L | | | | E912.0 | 07/05/12 13:14 / plj |
| Radium 226 | <0.18 | pCi/L | U | 0.18 | | E903.0 | 07/03/12 16:52 / gb |
| Radium 226 precision (±) | 0.07 | pCi/L | | | | E903.0 | 07/03/12 16:52 / gb |
| Radium 226 MDC | 0.18 | pCi/L | | | | E903.0 | 07/03/12 16:52 / gb |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 07/18/12 12:48 / dmf |
| Thorium 230 precision (±) | 0.05 | pCi/L | | | | E908.0 | 07/18/12 12:48 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 07/18/12 12:48 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.6 | pCi/L | U | 0.6 | | E909.0 | 07/09/12 03:15 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 07/09/12 03:15 / eli-cs |
| Lead 210 MDC | 0.6 | pCi/L | | | | E909.0 | 07/09/12 03:15 / eli-cs |
| Polonium 210 | 0.3 | pCi/L | | 0.2 | | E912.0 | 07/13/12 10:36 / dmf |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 07/13/12 10:36 / dmf |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 07/13/12 10:36 / dmf |
| Radium 226 | <0.12 | pCi/L | U | 0.12 | | E903.0 | 07/16/12 13:58 / trs |
| Radium 226 precision (±) | 0.07 | pCi/L | | | | E903.0 | 07/16/12 13:58 / trs |
| Radium 226 MDC | 0.12 | pCi/L | | | | E903.0 | 07/16/12 13:58 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 06/29/12 08:55 / dmf |
| Thorium 230 precision (±) | 0.04 | pCi/L | | | | E908.0 | 06/29/12 08:55 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 06/29/12 08:55 / dmf |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples June 2012
Lab ID: C12060907-010
Client Sample ID: Well #702

Report Date: 07/31/12
Collection Date: 06/18/12
Date Received: 06/21/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0034 | mg/L | | 0.0003 | | E200.8 | 06/29/12 17:26 / cp |
| Uranium, Activity | 2.3E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 06/29/12 17:26 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 07/02/12 18:52 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 07/02/12 18:52 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 07/09/12 15:18 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 07/09/12 15:18 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 07/09/12 15:18 / eli-cs |
| Polonium 210 | <0.7 | pCi/L | U | 0.7 | | E912.0 | 07/05/12 13:14 / plj |
| Polonium 210 precision (±) | 0.5 | pCi/L | | | | E912.0 | 07/05/12 13:14 / plj |
| Polonium 210 MDC | 0.7 | pCi/L | | | | E912.0 | 07/05/12 13:14 / plj |
| Radium 226 | <0.15 | pCi/L | U | 0.15 | | E903.0 | 07/03/12 16:52 / gb |
| Radium 226 precision (±) | 0.10 | pCi/L | | | | E903.0 | 07/03/12 16:52 / gb |
| Radium 226 MDC | 0.15 | pCi/L | | | | E903.0 | 07/03/12 16:52 / gb |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 07/18/12 12:48 / dmf |
| Thorium 230 precision (±) | 0.04 | pCi/L | | | | E908.0 | 07/18/12 12:48 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 07/18/12 12:48 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.6 | pCi/L | U | 0.6 | | E909.0 | 07/09/12 05:20 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 07/09/12 05:20 / eli-cs |
| Lead 210 MDC | 0.6 | pCi/L | | | | E909.0 | 07/09/12 05:20 / eli-cs |
| Polonium 210 | 0.6 | pCi/L | | 0.3 | | E912.0 | 07/13/12 13:47 / dmf |
| Polonium 210 precision (±) | 0.4 | pCi/L | | | | E912.0 | 07/13/12 13:47 / dmf |
| Polonium 210 MDC | 0.3 | pCi/L | | | | E912.0 | 07/13/12 13:47 / dmf |
| Radium 226 | <0.13 | pCi/L | U | 0.13 | | E903.0 | 07/16/12 13:58 / trs |
| Radium 226 precision (±) | 0.07 | pCi/L | | | | E903.0 | 07/16/12 13:58 / trs |
| Radium 226 MDC | 0.13 | pCi/L | | | | E903.0 | 07/16/12 13:58 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 06/29/12 08:55 / dmf |
| Thorium 230 precision (±) | 0.05 | pCi/L | | | | E908.0 | 06/29/12 08:55 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 06/29/12 08:55 / dmf |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples June 2012
Lab ID: C12060907-035
Client Sample ID: Well #703

Report Date: 07/31/12
Collection Date: 06/20/12
Date Received: 06/21/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0036 | mg/L | | 0.0003 | | E200.8 | 06/29/12 18:38 / cp |
| Uranium, Activity | 2.5E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 06/29/12 18:38 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 07/09/12 20:17 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 07/09/12 20:17 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 07/14/12 06:59 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 07/14/12 06:59 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 07/14/12 06:59 / eli-cs |
| Polonium 210 | <0.6 | pCi/L | U | 0.6 | | E912.0 | 07/06/12 09:35 / dmf |
| Polonium 210 precision (±) | 0.4 | pCi/L | | | | E912.0 | 07/06/12 09:35 / dmf |
| Polonium 210 MDC | 0.6 | pCi/L | | | | E912.0 | 07/06/12 09:35 / dmf |
| Radium 226 | <0.15 | pCi/L | U | 0.15 | | E903.0 | 07/04/12 08:28 / trs |
| Radium 226 precision (±) | 0.09 | pCi/L | | | | E903.0 | 07/04/12 08:28 / trs |
| Radium 226 MDC | 0.15 | pCi/L | | | | E903.0 | 07/04/12 08:28 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 07/20/12 08:28 / dmf |
| Thorium 230 precision (±) | 0.08 | pCi/L | | | | E908.0 | 07/20/12 08:28 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 07/20/12 08:28 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.5 | pCi/L | U | 0.5 | | E909.0 | 07/13/12 00:38 / eli-cs |
| Lead 210 precision (±) | 0.3 | pCi/L | | | | E909.0 | 07/13/12 00:38 / eli-cs |
| Lead 210 MDC | 0.5 | pCi/L | | | | E909.0 | 07/13/12 00:38 / eli-cs |
| Polonium 210 | <0.3 | pCi/L | U | 0.3 | | E912.0 | 07/23/12 14:47 / plj |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 07/23/12 14:47 / plj |
| Polonium 210 MDC | 0.3 | pCi/L | | | | E912.0 | 07/23/12 14:47 / plj |
| Radium 226 | <0.12 | pCi/L | U | 0.12 | | E903.0 | 07/17/12 12:05 / trs |
| Radium 226 precision (±) | 0.07 | pCi/L | | | | E903.0 | 07/17/12 12:05 / trs |
| Radium 226 MDC | 0.12 | pCi/L | | | | E903.0 | 07/17/12 12:05 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 07/09/12 09:51 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 07/09/12 09:51 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 07/09/12 09:51 / dmf |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples June 2012
Lab ID: C12060907-034
Client Sample ID: Well #704

Report Date: 07/31/12
Collection Date: 06/20/12
Date Received: 06/21/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0032 | mg/L | | 0.0003 | | E200.8 | 06/29/12 18:37 / cp |
| Uranium, Activity | 2.2E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 06/29/12 18:37 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 07/09/12 20:15 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 07/09/12 20:15 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 07/14/12 03:37 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 07/14/12 03:37 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 07/14/12 03:37 / eli-cs |
| Polonium 210 | <0.6 | pCi/L | U | 0.6 | | E912.0 | 07/06/12 09:35 / dmf |
| Polonium 210 precision (±) | 0.6 | pCi/L | | | | E912.0 | 07/06/12 09:35 / dmf |
| Polonium 210 MDC | 0.6 | pCi/L | | | | E912.0 | 07/06/12 09:35 / dmf |
| Radium 226 | <0.17 | pCi/L | U | 0.17 | | E903.0 | 07/04/12 08:28 / trs |
| Radium 226 precision (±) | 0.09 | pCi/L | | | | E903.0 | 07/04/12 08:28 / trs |
| Radium 226 MDC | 0.17 | pCi/L | | | | E903.0 | 07/04/12 08:28 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 07/20/12 08:28 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 07/20/12 08:28 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 07/20/12 08:28 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.6 | pCi/L | U | 0.6 | | E909.0 | 07/12/12 18:23 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 07/12/12 18:23 / eli-cs |
| Lead 210 MDC | 0.6 | pCi/L | | | | E909.0 | 07/12/12 18:23 / eli-cs |
| Polonium 210 | <0.3 | pCi/L | U | 0.3 | | E912.0 | 07/23/12 14:47 / plj |
| Polonium 210 precision (±) | 0.1 | pCi/L | | | | E912.0 | 07/23/12 14:47 / plj |
| Polonium 210 MDC | 0.3 | pCi/L | | | | E912.0 | 07/23/12 14:47 / plj |
| Radium 226 | <0.12 | pCi/L | U | 0.12 | | E903.0 | 07/17/12 12:05 / trs |
| Radium 226 precision (±) | 0.06 | pCi/L | | | | E903.0 | 07/17/12 12:05 / trs |
| Radium 226 MDC | 0.12 | pCi/L | | | | E903.0 | 07/17/12 12:05 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 07/09/12 09:51 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 07/09/12 09:51 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 07/09/12 09:51 / dmf |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples June 2012
Lab ID: C12060907-024
Client Sample ID: Well #705

Report Date: 07/31/12
Collection Date: 06/20/12
Date Received: 06/21/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0056 | mg/L | | 0.0003 | | E200.8 | 06/29/12 18:08 / cp |
| Uranium, Activity | 3.8E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 06/29/12 18:08 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 07/09/12 18:29 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 07/09/12 18:29 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.9 | pCi/L | U | 0.9 | | E909.0 | 07/12/12 18:06 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 07/12/12 18:06 / eli-cs |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 07/12/12 18:06 / eli-cs |
| Polonium 210 | <0.6 | pCi/L | U | 0.6 | | E912.0 | 07/05/12 14:51 / plj |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 07/05/12 14:51 / plj |
| Polonium 210 MDC | 0.6 | pCi/L | | | | E912.0 | 07/05/12 14:51 / plj |
| Radium 226 | <0.16 | pCi/L | U | 0.16 | | E903.0 | 07/04/12 06:28 / trs |
| Radium 226 precision (±) | 0.09 | pCi/L | | | | E903.0 | 07/04/12 06:28 / trs |
| Radium 226 MDC | 0.16 | pCi/L | | | | E903.0 | 07/04/12 06:28 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 07/19/12 15:30 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 07/19/12 15:30 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 07/19/12 15:30 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 07/29/12 12:11 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 07/29/12 12:11 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 07/29/12 12:11 / eli-cs |
| Polonium 210 | <0.2 | pCi/L | U | 0.2 | | E912.0 | 07/19/12 08:45 / dmf |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 07/19/12 08:45 / dmf |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 07/19/12 08:45 / dmf |
| Radium 226 | <0.13 | pCi/L | U | 0.13 | | E903.0 | 07/16/12 17:31 / trs |
| Radium 226 precision (±) | 0.05 | pCi/L | | | | E903.0 | 07/16/12 17:31 / trs |
| Radium 226 MDC | 0.13 | pCi/L | | | | E903.0 | 07/16/12 17:31 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 07/18/12 08:31 / dmf |
| Thorium 230 precision (±) | 0.04 | pCi/L | | | | E908.0 | 07/18/12 08:31 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 07/18/12 08:31 / dmf |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples June 2012
Lab ID: C12060907-036
Client Sample ID: Well #706

Report Date: 07/31/12
Collection Date: 06/20/12
Date Received: 06/21/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0038 | mg/L | | 0.0003 | | E200.8 | 06/29/12 18:40 / cp |
| Uranium, Activity | 2.5E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 06/29/12 18:40 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 07/09/12 20:19 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 07/09/12 20:19 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.9 | pCi/L | U | 0.9 | | E909.0 | 07/19/12 14:15 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 07/19/12 14:15 / eli-cs |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 07/19/12 14:15 / eli-cs |
| Polonium 210 | <1 | pCi/L | U | 1 | | E912.0 | 07/06/12 09:35 / dmf |
| Polonium 210 precision (±) | 0.7 | pCi/L | | | | E912.0 | 07/06/12 09:35 / dmf |
| Polonium 210 MDC | 1 | pCi/L | | | | E912.0 | 07/06/12 09:35 / dmf |
| Radium 226 | <0.16 | pCi/L | U | 0.16 | | E903.0 | 07/04/12 08:28 / trs |
| Radium 226 precision (±) | 0.10 | pCi/L | | | | E903.0 | 07/04/12 08:28 / trs |
| Radium 226 MDC | 0.16 | pCi/L | | | | E903.0 | 07/04/12 08:28 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 07/20/12 08:28 / dmf |
| Thorium 230 precision (±) | 0.1 | pCi/L | | | | E908.0 | 07/20/12 08:28 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 07/20/12 08:28 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.5 | pCi/L | U | 0.5 | | E909.0 | 07/13/12 02:43 / eli-cs |
| Lead 210 precision (±) | 0.3 | pCi/L | | | | E909.0 | 07/13/12 02:43 / eli-cs |
| Lead 210 MDC | 0.5 | pCi/L | | | | E909.0 | 07/13/12 02:43 / eli-cs |
| Polonium 210 | <0.2 | pCi/L | U | 0.2 | | E912.0 | 07/23/12 14:47 / plj |
| Polonium 210 precision (±) | 0.1 | pCi/L | | | | E912.0 | 07/23/12 14:47 / plj |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 07/23/12 14:47 / plj |
| Radium 226 | <0.1 | pCi/L | U | 0.1 | | E903.0 | 07/17/12 12:05 / trs |
| Radium 226 precision (±) | 0.05 | pCi/L | | | | E903.0 | 07/17/12 12:05 / trs |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 07/17/12 12:05 / trs |
| Thorium 230 | <0.09 | pCi/L | U | 0.09 | | E908.0 | 07/09/12 09:51 / dmf |
| Thorium 230 precision (±) | 0.04 | pCi/L | | | | E908.0 | 07/09/12 09:51 / dmf |
| Thorium 230 MDC | 0.09 | pCi/L | | | | E908.0 | 07/09/12 09:51 / dmf |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples June 2012
Lab ID: C12060907-015
Client Sample ID: Well #707

Report Date: 07/31/12
Collection Date: 06/19/12
Date Received: 06/21/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0036 | mg/L | | 0.0003 | | E200.8 | 06/29/12 17:34 / cp |
| Uranium, Activity | 2.4E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 06/29/12 17:34 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 07/09/12 18:02 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 07/09/12 18:02 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 07/10/12 07:59 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 07/10/12 07:59 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 07/10/12 07:59 / eli-cs |
| Polonium 210 | <0.3 | pCi/L | U | 0.3 | | E912.0 | 07/05/12 13:14 / plj |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 07/05/12 13:14 / plj |
| Polonium 210 MDC | 0.3 | pCi/L | | | | E912.0 | 07/05/12 13:14 / plj |
| Radium 226 | <0.16 | pCi/L | U | 0.16 | | E903.0 | 07/03/12 21:30 / gb |
| Radium 226 precision (±) | 0.09 | pCi/L | | | | E903.0 | 07/03/12 21:30 / gb |
| Radium 226 MDC | 0.16 | pCi/L | | | | E903.0 | 07/03/12 21:30 / gb |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 07/19/12 15:30 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 07/19/12 15:30 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 07/19/12 15:30 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 07/29/12 05:04 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 07/29/12 05:04 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 07/29/12 05:04 / eli-cs |
| Polonium 210 | <0.3 | pCi/L | U | 0.3 | | E912.0 | 07/19/12 08:45 / dmf |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 07/19/12 08:45 / dmf |
| Polonium 210 MDC | 0.3 | pCi/L | | | | E912.0 | 07/19/12 08:45 / dmf |
| Radium 226 | <0.12 | pCi/L | U | 0.12 | | E903.0 | 07/16/12 15:50 / trs |
| Radium 226 precision (±) | 0.05 | pCi/L | | | | E903.0 | 07/16/12 15:50 / trs |
| Radium 226 MDC | 0.12 | pCi/L | | | | E903.0 | 07/16/12 15:50 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 07/18/12 08:30 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 07/18/12 08:30 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 07/18/12 08:30 / dmf |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples June 2012
Lab ID: C12061082-009
Client Sample ID: Well #714

Report Date: 08/14/12
Collection Date: 06/21/12
Date Received: 06/26/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0086 | mg/L | | 0.0003 | | E200.8 | 07/09/12 19:35 / cp |
| Uranium, Activity | 5.8E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 07/09/12 19:35 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 07/09/12 21:02 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 07/09/12 21:02 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.9 | pCi/L | U | 0.9 | | E909.0 | 07/16/12 12:18 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 07/16/12 12:18 / eli-cs |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 07/16/12 12:18 / eli-cs |
| Polonium 210 | <1 | pCi/L | U | 1 | | E912.0 | 07/17/12 12:18 / plj |
| Polonium 210 precision (±) | 0.8 | pCi/L | | | | E912.0 | 07/17/12 12:18 / plj |
| Polonium 210 MDC | 1 | pCi/L | | | | E912.0 | 07/17/12 12:18 / plj |
| Radium 226 | <0.17 | pCi/L | U | 0.17 | | E903.0 | 07/17/12 22:23 / gb |
| Radium 226 precision (±) | 0.10 | pCi/L | | | | E903.0 | 07/17/12 22:23 / gb |
| Radium 226 MDC | 0.17 | pCi/L | | | | E903.0 | 07/17/12 22:23 / gb |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 07/11/12 09:12 / dmf |
| Thorium 230 precision (±) | 0.05 | pCi/L | | | | E908.0 | 07/11/12 09:12 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 07/11/12 09:12 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.6 | pCi/L | U | 0.6 | | E909.0 | 08/01/12 04:50 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 08/01/12 04:50 / eli-cs |
| Lead 210 MDC | 0.6 | pCi/L | | | | E909.0 | 08/01/12 04:50 / eli-cs |
| Polonium 210 | <0.3 | pCi/L | U | 0.3 | | E912.0 | 07/23/12 12:46 / plj |
| Polonium 210 precision (±) | 0.1 | pCi/L | | | | E912.0 | 07/23/12 12:46 / plj |
| Polonium 210 MDC | 0.3 | pCi/L | | | | E912.0 | 07/23/12 12:46 / plj |
| Radium 226 | <0.13 | pCi/L | U | 0.13 | | E903.0 | 07/17/12 13:37 / trs |
| Radium 226 precision (±) | 0.06 | pCi/L | | | | E903.0 | 07/17/12 13:37 / trs |
| Radium 226 MDC | 0.13 | pCi/L | | | | E903.0 | 07/17/12 13:37 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 07/18/12 08:33 / dmf |
| Thorium 230 precision (±) | 0.09 | pCi/L | | | | E908.0 | 07/18/12 08:33 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 07/18/12 08:33 / dmf |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples June 2012
Lab ID: C12061082-011
Client Sample ID: Well #715

Report Date: 08/14/12
Collection Date: 06/21/12
Date Received: 06/26/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0058 | mg/L | | 0.0003 | | E200.8 | 07/09/12 19:38 / cp |
| Uranium, Activity | 3.9E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 07/09/12 19:38 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 07/09/12 21:17 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 07/09/12 21:17 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.9 | pCi/L | U | 0.9 | | E909.0 | 07/16/12 15:42 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 07/16/12 15:42 / eli-cs |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 07/16/12 15:42 / eli-cs |
| Polonium 210 | <1 | pCi/L | U | 1 | | E912.0 | 07/17/12 12:18 / plj |
| Polonium 210 precision (±) | 0.5 | pCi/L | | | | E912.0 | 07/17/12 12:18 / plj |
| Polonium 210 MDC | 1 | pCi/L | | | | E912.0 | 07/17/12 12:18 / plj |
| Radium 226 | <0.17 | pCi/L | U | 0.17 | | E903.0 | 07/18/12 00:01 / gb |
| Radium 226 precision (±) | 0.10 | pCi/L | | | | E903.0 | 07/18/12 00:01 / gb |
| Radium 226 MDC | 0.17 | pCi/L | | | | E903.0 | 07/18/12 00:01 / gb |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 07/11/12 09:12 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 07/11/12 09:12 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 07/11/12 09:12 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 08/01/12 06:25 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 08/01/12 06:25 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 08/01/12 06:25 / eli-cs |
| Polonium 210 | <0.3 | pCi/L | U | 0.3 | | E912.0 | 07/23/12 12:46 / plj |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 07/23/12 12:46 / plj |
| Polonium 210 MDC | 0.3 | pCi/L | | | | E912.0 | 07/23/12 12:46 / plj |
| Radium 226 | <0.13 | pCi/L | U | 0.13 | | E903.0 | 07/17/12 15:18 / trs |
| Radium 226 precision (±) | 0.06 | pCi/L | | | | E903.0 | 07/17/12 15:18 / trs |
| Radium 226 MDC | 0.13 | pCi/L | | | | E903.0 | 07/17/12 15:18 / trs |
| Thorium 230 | <0.09 | pCi/L | U | 0.09 | | E908.0 | 07/18/12 08:33 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 07/18/12 08:33 / dmf |
| Thorium 230 MDC | 0.09 | pCi/L | | | | E908.0 | 07/18/12 08:33 / dmf |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples June 2012
Lab ID: C12061082-010
Client Sample ID: Well #716

Report Date: 08/14/12
Collection Date: 06/21/12
Date Received: 06/26/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0059 | mg/L | | 0.0003 | | E200.8 | 07/09/12 19:37 / cp |
| Uranium, Activity | 4.0E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 07/09/12 19:37 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 07/09/12 21:04 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 07/09/12 21:04 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.9 | pCi/L | U | 0.9 | | E909.0 | 07/16/12 14:00 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 07/16/12 14:00 / eli-cs |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 07/16/12 14:00 / eli-cs |
| Polonium 210 | <1 | pCi/L | U | 1 | | E912.0 | 07/23/12 08:12 / plj |
| Polonium 210 precision (±) | 0.4 | pCi/L | | | | E912.0 | 07/23/12 08:12 / plj |
| Polonium 210 MDC | 1 | pCi/L | | | | E912.0 | 07/23/12 08:12 / plj |
| Radium 226 | <0.17 | pCi/L | U | 0.17 | | E903.0 | 07/18/12 00:01 / gb |
| Radium 226 precision (±) | 0.08 | pCi/L | | | | E903.0 | 07/18/12 00:01 / gb |
| Radium 226 MDC | 0.17 | pCi/L | | | | E903.0 | 07/18/12 00:01 / gb |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 07/11/12 09:12 / dmf |
| Thorium 230 precision (±) | 0.05 | pCi/L | | | | E908.0 | 07/11/12 09:12 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 07/11/12 09:12 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 08/01/12 05:37 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 08/01/12 05:37 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 08/01/12 05:37 / eli-cs |
| Polonium 210 | <0.4 | pCi/L | U | 0.4 | | E912.0 | 07/23/12 12:46 / plj |
| Polonium 210 precision (±) | 0.1 | pCi/L | | | | E912.0 | 07/23/12 12:46 / plj |
| Polonium 210 MDC | 0.4 | pCi/L | | | | E912.0 | 07/23/12 12:46 / plj |
| Radium 226 | <0.13 | pCi/L | U | 0.13 | | E903.0 | 07/17/12 15:18 / trs |
| Radium 226 precision (±) | 0.07 | pCi/L | | | | E903.0 | 07/17/12 15:18 / trs |
| Radium 226 MDC | 0.13 | pCi/L | | | | E903.0 | 07/17/12 15:18 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 07/18/12 08:33 / dmf |
| Thorium 230 precision (±) | 0.08 | pCi/L | | | | E908.0 | 07/18/12 08:33 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 07/18/12 08:33 / dmf |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples June 2012
Lab ID: C12061082-013
Client Sample ID: Well #719

Report Date: 08/14/12
Collection Date: 06/21/12
Date Received: 06/26/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0072 | mg/L | | 0.0003 | | E200.8 | 07/09/12 19:48 / cp |
| Uranium, Activity | 4.9E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 07/09/12 19:48 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 07/09/12 21:20 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 07/09/12 21:20 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.9 | pCi/L | U | 0.9 | | E909.0 | 07/16/12 19:06 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 07/16/12 19:06 / eli-cs |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 07/16/12 19:06 / eli-cs |
| Polonium 210 | <0.6 | pCi/L | U | 0.6 | | E912.0 | 07/17/12 12:18 / plj |
| Polonium 210 precision (±) | 0.4 | pCi/L | | | | E912.0 | 07/17/12 12:18 / plj |
| Polonium 210 MDC | 0.6 | pCi/L | | | | E912.0 | 07/17/12 12:18 / plj |
| Radium 226 | <0.17 | pCi/L | U | 0.17 | | E903.0 | 07/18/12 00:01 / gb |
| Radium 226 precision (±) | 0.08 | pCi/L | | | | E903.0 | 07/18/12 00:01 / gb |
| Radium 226 MDC | 0.17 | pCi/L | | | | E903.0 | 07/18/12 00:01 / gb |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 07/11/12 09:12 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 07/11/12 09:12 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 07/11/12 09:12 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 08/01/12 08:00 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 08/01/12 08:00 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 08/01/12 08:00 / eli-cs |
| Polonium 210 | <0.3 | pCi/L | U | 0.3 | | E912.0 | 07/23/12 12:46 / plj |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 07/23/12 12:46 / plj |
| Polonium 210 MDC | 0.3 | pCi/L | | | | E912.0 | 07/23/12 12:46 / plj |
| Radium 226 | <0.11 | pCi/L | U | 0.11 | | E903.0 | 07/17/12 15:18 / trs |
| Radium 226 precision (±) | 0.06 | pCi/L | | | | E903.0 | 07/17/12 15:18 / trs |
| Radium 226 MDC | 0.11 | pCi/L | | | | E903.0 | 07/17/12 15:18 / trs |
| Thorium 230 | <0.09 | pCi/L | U | 0.09 | | E908.0 | 07/18/12 08:33 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 07/18/12 08:33 / dmf |
| Thorium 230 MDC | 0.09 | pCi/L | | | | E908.0 | 07/18/12 08:33 / dmf |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples June 2012
Lab ID: C12060907-025
Client Sample ID: Well #720

Report Date: 07/31/12
Collection Date: 06/20/12
Date Received: 06/21/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0067 | mg/L | | 0.0003 | | E200.8 | 06/29/12 18:10 / cp |
| Uranium, Activity | 4.6E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 06/29/12 18:10 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 07/09/12 18:31 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 07/09/12 18:31 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 07/12/12 21:27 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 07/12/12 21:27 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 07/12/12 21:27 / eli-cs |
| Polonium 210 | 1.5 | pCi/L | | 0.7 | | E912.0 | 07/05/12 14:52 / dmf |
| Polonium 210 precision (±) | 0.9 | pCi/L | | | | E912.0 | 07/05/12 14:52 / dmf |
| Polonium 210 MDC | 0.7 | pCi/L | | | | E912.0 | 07/05/12 14:52 / dmf |
| Radium 226 | <0.18 | pCi/L | U | 0.18 | | E903.0 | 07/04/12 06:28 / trs |
| Radium 226 precision (±) | 0.09 | pCi/L | | | | E903.0 | 07/04/12 06:28 / trs |
| Radium 226 MDC | 0.18 | pCi/L | | | | E903.0 | 07/04/12 06:28 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 07/19/12 15:30 / dmf |
| Thorium 230 precision (±) | 0.09 | pCi/L | | | | E908.0 | 07/19/12 15:30 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 07/19/12 15:30 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 07/29/12 12:59 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 07/29/12 12:59 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 07/29/12 12:59 / eli-cs |
| Polonium 210 | <0.3 | pCi/L | U | 0.3 | | E912.0 | 07/19/12 10:54 / dmf |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 07/19/12 10:54 / dmf |
| Polonium 210 MDC | 0.3 | pCi/L | | | | E912.0 | 07/19/12 10:54 / dmf |
| Radium 226 | <0.15 | pCi/L | U | 0.15 | | E903.0 | 07/16/12 17:31 / trs |
| Radium 226 precision (±) | 0.06 | pCi/L | | | | E903.0 | 07/16/12 17:31 / trs |
| Radium 226 MDC | 0.15 | pCi/L | | | | E903.0 | 07/16/12 17:31 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 07/18/12 08:31 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 07/18/12 08:31 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 07/18/12 08:31 / dmf |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples June 2012
Lab ID: C12061082-006
Client Sample ID: Well #721

Report Date: 08/14/12
Collection Date: 06/21/12
Date Received: 06/26/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0074 | mg/L | | 0.0003 | | E200.8 | 07/09/12 19:25 / cp |
| Uranium, Activity | 5.0E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 07/09/12 19:25 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 07/09/12 20:57 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 07/09/12 20:57 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.9 | pCi/L | U | 0.9 | | E909.0 | 07/16/12 07:12 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 07/16/12 07:12 / eli-cs |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 07/16/12 07:12 / eli-cs |
| Polonium 210 | <1.7 | pCi/L | U | 1.7 | | E912.0 | 07/17/12 12:18 / plj |
| Polonium 210 precision (±) | 1.0 | pCi/L | | | | E912.0 | 07/17/12 12:18 / plj |
| Polonium 210 MDC | 1.7 | pCi/L | | | | E912.0 | 07/17/12 12:18 / plj |
| Radium 226 | 1.3 | pCi/L | | 0.18 | | E903.0 | 07/17/12 22:23 / gb |
| Radium 226 precision (±) | 0.26 | pCi/L | | | | E903.0 | 07/17/12 22:23 / gb |
| Radium 226 MDC | 0.18 | pCi/L | | | | E903.0 | 07/17/12 22:23 / gb |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 07/11/12 09:12 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 07/11/12 09:12 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 07/11/12 09:12 / dmf |
| - See Case Narrative regarding Po210 analysis. | | | | | | | |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 08/01/12 02:27 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 08/01/12 02:27 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 08/01/12 02:27 / eli-cs |
| Polonium 210 | <0.4 | pCi/L | U | 0.4 | | E912.0 | 07/23/12 12:46 / plj |
| Polonium 210 precision (±) | 0.1 | pCi/L | | | | E912.0 | 07/23/12 12:46 / plj |
| Polonium 210 MDC | 0.4 | pCi/L | | | | E912.0 | 07/23/12 12:46 / plj |
| Radium 226 | <0.13 | pCi/L | U | 0.13 | | E903.0 | 07/17/12 13:37 / trs |
| Radium 226 precision (±) | 0.06 | pCi/L | | | | E903.0 | 07/17/12 13:37 / trs |
| Radium 226 MDC | 0.13 | pCi/L | | | | E903.0 | 07/17/12 13:37 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 07/18/12 08:33 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 07/18/12 08:33 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 07/18/12 08:33 / dmf |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples June 2012
Lab ID: C12061082-012
Client Sample ID: Well #722

Report Date: 08/14/12
Collection Date: 06/21/12
Date Received: 06/26/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0088 | mg/L | | 0.0003 | | E200.8 | 07/09/12 19:47 / cp |
| Uranium, Activity | 6.0E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 07/09/12 19:47 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 07/09/12 21:19 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 07/09/12 21:19 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.9 | pCi/L | U | 0.9 | | E909.0 | 07/16/12 17:24 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 07/16/12 17:24 / eli-cs |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 07/16/12 17:24 / eli-cs |
| Polonium 210 | <0.7 | pCi/L | U | 0.7 | | E912.0 | 07/17/12 12:18 / plj |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 07/17/12 12:18 / plj |
| Polonium 210 MDC | 0.7 | pCi/L | | | | E912.0 | 07/17/12 12:18 / plj |
| Radium 226 | <0.17 | pCi/L | U | 0.17 | | E903.0 | 07/18/12 00:01 / gb |
| Radium 226 precision (±) | 0.07 | pCi/L | | | | E903.0 | 07/18/12 00:01 / gb |
| Radium 226 MDC | 0.17 | pCi/L | | | | E903.0 | 07/18/12 00:01 / gb |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 07/11/12 09:12 / dmf |
| Thorium 230 precision (±) | 0.05 | pCi/L | | | | E908.0 | 07/11/12 09:12 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 07/11/12 09:12 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 08/01/12 07:12 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 08/01/12 07:12 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 08/01/12 07:12 / eli-cs |
| Polonium 210 | <0.4 | pCi/L | U | 0.4 | | E912.0 | 07/23/12 12:46 / plj |
| Polonium 210 precision (±) | 0.1 | pCi/L | | | | E912.0 | 07/23/12 12:46 / plj |
| Polonium 210 MDC | 0.4 | pCi/L | | | | E912.0 | 07/23/12 12:46 / plj |
| Radium 226 | <0.13 | pCi/L | U | 0.13 | | E903.0 | 07/17/12 15:18 / trs |
| Radium 226 precision (±) | 0.06 | pCi/L | | | | E903.0 | 07/17/12 15:18 / trs |
| Radium 226 MDC | 0.13 | pCi/L | | | | E903.0 | 07/17/12 15:18 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 07/18/12 08:33 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 07/18/12 08:33 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 07/18/12 08:33 / dmf |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples June 2012
Lab ID: C12060907-018
Client Sample ID: Well #723

Report Date: 07/31/12
Collection Date: 06/19/12
Date Received: 06/21/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0056 | mg/L | | 0.0003 | | E200.8 | 06/29/12 17:46 / cp |
| Uranium, Activity | 3.8E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 06/29/12 17:46 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 07/09/12 18:07 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 07/09/12 18:07 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 07/11/12 21:59 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 07/11/12 21:59 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 07/11/12 21:59 / eli-cs |
| Polonium 210 | <0.6 | pCi/L | U | 0.6 | | E912.0 | 07/05/12 13:14 / plj |
| Polonium 210 precision (±) | 0.5 | pCi/L | | | | E912.0 | 07/05/12 13:14 / plj |
| Polonium 210 MDC | 0.6 | pCi/L | | | | E912.0 | 07/05/12 13:14 / plj |
| Radium 226 | <0.16 | pCi/L | U | 0.16 | | E903.0 | 07/03/12 21:30 / gb |
| Radium 226 precision (±) | 0.08 | pCi/L | | | | E903.0 | 07/03/12 21:30 / gb |
| Radium 226 MDC | 0.16 | pCi/L | | | | E903.0 | 07/03/12 21:30 / gb |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 07/19/12 15:30 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 07/19/12 15:30 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 07/19/12 15:30 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 07/29/12 07:26 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 07/29/12 07:26 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 07/29/12 07:26 / eli-cs |
| Polonium 210 | <0.3 | pCi/L | U | 0.3 | | E912.0 | 07/19/12 08:45 / dmf |
| Polonium 210 precision (±) | 0.1 | pCi/L | | | | E912.0 | 07/19/12 08:45 / dmf |
| Polonium 210 MDC | 0.3 | pCi/L | | | | E912.0 | 07/19/12 08:45 / dmf |
| Radium 226 | <0.12 | pCi/L | U | 0.12 | | E903.0 | 07/16/12 15:50 / trs |
| Radium 226 precision (±) | 0.06 | pCi/L | | | | E903.0 | 07/16/12 15:50 / trs |
| Radium 226 MDC | 0.12 | pCi/L | | | | E903.0 | 07/16/12 15:50 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 07/18/12 08:30 / dmf |
| Thorium 230 precision (±) | 0.08 | pCi/L | | | | E908.0 | 07/18/12 08:30 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 07/18/12 08:30 / dmf |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples June 2012
Lab ID: C12060907-016
Client Sample ID: Well #725

Report Date: 07/31/12
Collection Date: 06/19/12
Date Received: 06/21/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0047 | mg/L | | 0.0003 | | E200.8 | 06/29/12 17:36 / cp |
| Uranium, Activity | 3.2E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 06/29/12 17:36 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 07/09/12 18:04 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 07/09/12 18:04 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 07/10/12 11:19 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 07/10/12 11:19 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 07/10/12 11:19 / eli-cs |
| Polonium 210 | <0.5 | pCi/L | U | 0.5 | | E912.0 | 07/05/12 13:14 / plj |
| Polonium 210 precision (±) | 0.4 | pCi/L | | | | E912.0 | 07/05/12 13:14 / plj |
| Polonium 210 MDC | 0.5 | pCi/L | | | | E912.0 | 07/05/12 13:14 / plj |
| Radium 226 | <0.16 | pCi/L | U | 0.16 | | E903.0 | 07/03/12 21:30 / gb |
| Radium 226 precision (±) | 0.07 | pCi/L | | | | E903.0 | 07/03/12 21:30 / gb |
| Radium 226 MDC | 0.16 | pCi/L | | | | E903.0 | 07/03/12 21:30 / gb |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 07/19/12 15:30 / dmf |
| Thorium 230 precision (±) | 0.05 | pCi/L | | | | E908.0 | 07/19/12 15:30 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 07/19/12 15:30 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 07/29/12 05:51 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 07/29/12 05:51 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 07/29/12 05:51 / eli-cs |
| Polonium 210 | <0.3 | pCi/L | U | 0.3 | | E912.0 | 07/19/12 08:45 / dmf |
| Polonium 210 precision (±) | 0.1 | pCi/L | | | | E912.0 | 07/19/12 08:45 / dmf |
| Polonium 210 MDC | 0.3 | pCi/L | | | | E912.0 | 07/19/12 08:45 / dmf |
| Radium 226 | <0.14 | pCi/L | U | 0.14 | | E903.0 | 07/16/12 15:50 / trs |
| Radium 226 precision (±) | 0.07 | pCi/L | | | | E903.0 | 07/16/12 15:50 / trs |
| Radium 226 MDC | 0.14 | pCi/L | | | | E903.0 | 07/16/12 15:50 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 07/18/12 08:30 / dmf |
| Thorium 230 precision (±) | 0.05 | pCi/L | | | | E908.0 | 07/18/12 08:30 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 07/18/12 08:30 / dmf |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples June 2012
Lab ID: C12060907-019
Client Sample ID: Well #727

Report Date: 07/31/12
Collection Date: 06/19/12
Date Received: 06/21/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0089 | mg/L | | 0.0003 | | E200.8 | 06/29/12 17:53 / cp |
| Uranium, Activity | 6.1E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 06/29/12 17:53 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 07/09/12 18:09 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 07/09/12 18:09 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.9 | pCi/L | U | 0.9 | | E909.0 | 07/12/12 01:20 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 07/12/12 01:20 / eli-cs |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 07/12/12 01:20 / eli-cs |
| Polonium 210 | <0.7 | pCi/L | U | 0.7 | | E912.0 | 07/05/12 13:14 / plj |
| Polonium 210 precision (±) | 0.4 | pCi/L | | | | E912.0 | 07/05/12 13:14 / plj |
| Polonium 210 MDC | 0.7 | pCi/L | | | | E912.0 | 07/05/12 13:14 / plj |
| Radium 226 | <0.15 | pCi/L | U | 0.15 | | E903.0 | 07/03/12 21:30 / gb |
| Radium 226 precision (±) | 0.06 | pCi/L | | | | E903.0 | 07/03/12 21:30 / gb |
| Radium 226 MDC | 0.15 | pCi/L | | | | E903.0 | 07/03/12 21:30 / gb |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 07/19/12 15:30 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 07/19/12 15:30 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 07/19/12 15:30 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 07/29/12 08:14 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 07/29/12 08:14 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 07/29/12 08:14 / eli-cs |
| Polonium 210 | <0.3 | pCi/L | U | 0.3 | | E912.0 | 07/19/12 08:45 / dmf |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 07/19/12 08:45 / dmf |
| Polonium 210 MDC | 0.3 | pCi/L | | | | E912.0 | 07/19/12 08:45 / dmf |
| Radium 226 | <0.12 | pCi/L | U | 0.12 | | E903.0 | 07/16/12 15:50 / trs |
| Radium 226 precision (±) | 0.05 | pCi/L | | | | E903.0 | 07/16/12 15:50 / trs |
| Radium 226 MDC | 0.12 | pCi/L | | | | E903.0 | 07/16/12 15:50 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 07/18/12 08:30 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 07/18/12 08:30 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 07/18/12 08:30 / dmf |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples June 2012
Lab ID: C12060907-020
Client Sample ID: Well #728

Report Date: 07/31/12
Collection Date: 06/19/12
Date Received: 06/21/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0063 | mg/L | | 0.0003 | | E200.8 | 06/29/12 17:55 / cp |
| Uranium, Activity | 4.3E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 06/29/12 17:55 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 07/09/12 18:11 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 07/09/12 18:11 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 07/12/12 04:41 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 07/12/12 04:41 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 07/12/12 04:41 / eli-cs |
| Polonium 210 | <0.6 | pCi/L | U | 0.6 | | E912.0 | 07/05/12 14:51 / plj |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 07/05/12 14:51 / plj |
| Polonium 210 MDC | 0.6 | pCi/L | | | | E912.0 | 07/05/12 14:51 / plj |
| Radium 226 | <0.16 | pCi/L | U | 0.16 | | E903.0 | 07/03/12 21:30 / gb |
| Radium 226 precision (±) | 0.06 | pCi/L | | | | E903.0 | 07/03/12 21:30 / gb |
| Radium 226 MDC | 0.16 | pCi/L | | | | E903.0 | 07/03/12 21:30 / gb |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 07/19/12 15:30 / dmf |
| Thorium 230 precision (±) | 0.05 | pCi/L | | | | E908.0 | 07/19/12 15:30 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 07/19/12 15:30 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 07/29/12 09:01 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 07/29/12 09:01 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 07/29/12 09:01 / eli-cs |
| Polonium 210 | <0.2 | pCi/L | U | 0.2 | | E912.0 | 07/19/12 08:45 / dmf |
| Polonium 210 precision (±) | 0.07 | pCi/L | | | | E912.0 | 07/19/12 08:45 / dmf |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 07/19/12 08:45 / dmf |
| Radium 226 | <0.13 | pCi/L | U | 0.13 | | E903.0 | 07/16/12 17:31 / trs |
| Radium 226 precision (±) | 0.07 | pCi/L | | | | E903.0 | 07/16/12 17:31 / trs |
| Radium 226 MDC | 0.13 | pCi/L | | | | E903.0 | 07/16/12 17:31 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 07/18/12 08:31 / dmf |
| Thorium 230 precision (±) | 0.04 | pCi/L | | | | E908.0 | 07/18/12 08:31 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 07/18/12 08:31 / dmf |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples June 2012
Lab ID: C12060907-017
Client Sample ID: Well #730

Report Date: 07/31/12
Collection Date: 06/19/12
Date Received: 06/21/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0056 | mg/L | | 0.0003 | | E200.8 | 06/29/12 17:44 / cp |
| Uranium, Activity | 3.8E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 06/29/12 17:44 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 07/09/12 18:06 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 07/09/12 18:06 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 07/11/12 18:38 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 07/11/12 18:38 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 07/11/12 18:38 / eli-cs |
| Polonium 210 | <0.5 | pCi/L | U | 0.5 | | E912.0 | 07/05/12 13:14 / plj |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 07/05/12 13:14 / plj |
| Polonium 210 MDC | 0.5 | pCi/L | | | | E912.0 | 07/05/12 13:14 / plj |
| Radium 226 | <0.16 | pCi/L | U | 0.16 | | E903.0 | 07/03/12 21:30 / gb |
| Radium 226 precision (±) | 0.07 | pCi/L | | | | E903.0 | 07/03/12 21:30 / gb |
| Radium 226 MDC | 0.16 | pCi/L | | | | E903.0 | 07/03/12 21:30 / gb |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 07/19/12 15:30 / dmf |
| Thorium 230 precision (±) | 0.05 | pCi/L | | | | E908.0 | 07/19/12 15:30 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 07/19/12 15:30 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 07/29/12 06:39 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 07/29/12 06:39 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 07/29/12 06:39 / eli-cs |
| Polonium 210 | <0.3 | pCi/L | U | 0.3 | | E912.0 | 07/19/12 08:45 / dmf |
| Polonium 210 precision (±) | 0.1 | pCi/L | | | | E912.0 | 07/19/12 08:45 / dmf |
| Polonium 210 MDC | 0.3 | pCi/L | | | | E912.0 | 07/19/12 08:45 / dmf |
| Radium 226 | <0.13 | pCi/L | U | 0.13 | | E903.0 | 07/16/12 15:50 / trs |
| Radium 226 precision (±) | 0.06 | pCi/L | | | | E903.0 | 07/16/12 15:50 / trs |
| Radium 226 MDC | 0.13 | pCi/L | | | | E903.0 | 07/16/12 15:50 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 07/18/12 08:30 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 07/18/12 08:30 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 07/18/12 08:30 / dmf |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples June 2012
Lab ID: C12060907-026
Client Sample ID: Well #731

Report Date: 07/31/12
Collection Date: 06/20/12
Date Received: 06/21/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0055 | mg/L | | 0.0003 | | E200.8 | 06/29/12 18:11 / cp |
| Uranium, Activity | 3.7E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 06/29/12 18:11 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 07/09/12 18:32 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 07/09/12 18:32 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 07/13/12 00:48 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 07/13/12 00:48 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 07/13/12 00:48 / eli-cs |
| Polonium 210 | 0.5 | pCi/L | | 0.5 | | E912.0 | 07/05/12 14:52 / dmf |
| Polonium 210 precision (±) | 0.5 | pCi/L | | | | E912.0 | 07/05/12 14:52 / dmf |
| Polonium 210 MDC | 0.5 | pCi/L | | | | E912.0 | 07/05/12 14:52 / dmf |
| Radium 226 | <0.17 | pCi/L | U | 0.17 | | E903.0 | 07/04/12 06:28 / trs |
| Radium 226 precision (±) | 0.12 | pCi/L | | | | E903.0 | 07/04/12 06:28 / trs |
| Radium 226 MDC | 0.17 | pCi/L | | | | E903.0 | 07/04/12 06:28 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 07/20/12 08:28 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 07/20/12 08:28 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 07/20/12 08:28 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 07/29/12 13:46 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 07/29/12 13:46 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 07/29/12 13:46 / eli-cs |
| Polonium 210 | <0.2 | pCi/L | U | 0.2 | | E912.0 | 07/19/12 10:54 / dmf |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 07/19/12 10:54 / dmf |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 07/19/12 10:54 / dmf |
| Radium 226 | <0.13 | pCi/L | U | 0.13 | | E903.0 | 07/16/12 17:31 / trs |
| Radium 226 precision (±) | 0.05 | pCi/L | | | | E903.0 | 07/16/12 17:31 / trs |
| Radium 226 MDC | 0.13 | pCi/L | | | | E903.0 | 07/16/12 17:31 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 07/18/12 08:31 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 07/18/12 08:31 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 07/18/12 08:31 / dmf |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples June 2012
Lab ID: C12060907-014
Client Sample ID: Well #732

Report Date: 07/31/12
Collection Date: 06/19/12
Date Received: 06/21/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0066 | mg/L | | 0.0003 | | E200.8 | 06/29/12 17:33 / cp |
| Uranium, Activity | 4.5E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 06/29/12 17:33 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 07/09/12 18:00 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 07/09/12 18:00 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 07/10/12 04:38 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 07/10/12 04:38 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 07/10/12 04:38 / eli-cs |
| Polonium 210 | <0.6 | pCi/L | U | 0.6 | | E912.0 | 07/05/12 13:14 / plj |
| Polonium 210 precision (±) | 0.4 | pCi/L | | | | E912.0 | 07/05/12 13:14 / plj |
| Polonium 210 MDC | 0.6 | pCi/L | | | | E912.0 | 07/05/12 13:14 / plj |
| Radium 226 | <0.16 | pCi/L | U | 0.16 | | E903.0 | 07/03/12 21:30 / gb |
| Radium 226 precision (±) | 0.09 | pCi/L | | | | E903.0 | 07/03/12 21:30 / gb |
| Radium 226 MDC | 0.16 | pCi/L | | | | E903.0 | 07/03/12 21:30 / gb |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 07/19/12 15:30 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 07/19/12 15:30 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 07/19/12 15:30 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.9 | pCi/L | U | 0.9 | | E909.0 | 07/29/12 02:41 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 07/29/12 02:41 / eli-cs |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 07/29/12 02:41 / eli-cs |
| Polonium 210 | <0.2 | pCi/L | U | 0.2 | | E912.0 | 07/19/12 08:45 / dmf |
| Polonium 210 precision (±) | 0.1 | pCi/L | | | | E912.0 | 07/19/12 08:45 / dmf |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 07/19/12 08:45 / dmf |
| Radium 226 | <0.12 | pCi/L | U | 0.12 | | E903.0 | 07/16/12 15:50 / trs |
| Radium 226 precision (±) | 0.05 | pCi/L | | | | E903.0 | 07/16/12 15:50 / trs |
| Radium 226 MDC | 0.12 | pCi/L | | | | E903.0 | 07/16/12 15:50 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 07/18/12 08:30 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 07/18/12 08:30 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 07/18/12 08:30 / dmf |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples June 2012
Lab ID: C12060907-027
Client Sample ID: Well #734

Report Date: 07/31/12
Collection Date: 06/20/12
Date Received: 06/21/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0078 | mg/L | | 0.0003 | | E200.8 | 06/29/12 18:13 / cp |
| Uranium, Activity | 5.2E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 06/29/12 18:13 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 07/09/12 18:41 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 07/09/12 18:41 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 07/13/12 04:10 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 07/13/12 04:10 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 07/13/12 04:10 / eli-cs |
| Polonium 210 | 0.7 | pCi/L | | 0.6 | | E912.0 | 07/05/12 14:52 / dmf |
| Polonium 210 precision (±) | 0.7 | pCi/L | | | | E912.0 | 07/05/12 14:52 / dmf |
| Polonium 210 MDC | 0.6 | pCi/L | | | | E912.0 | 07/05/12 14:52 / dmf |
| Radium 226 | <0.16 | pCi/L | U | 0.16 | | E903.0 | 07/04/12 06:28 / trs |
| Radium 226 precision (±) | 0.11 | pCi/L | | | | E903.0 | 07/04/12 06:28 / trs |
| Radium 226 MDC | 0.16 | pCi/L | | | | E903.0 | 07/04/12 06:28 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 07/20/12 08:28 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 07/20/12 08:28 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 07/20/12 08:28 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 07/29/12 14:34 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 07/29/12 14:34 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 07/29/12 14:34 / eli-cs |
| Polonium 210 | <0.3 | pCi/L | U | 0.3 | | E912.0 | 07/19/12 10:54 / dmf |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 07/19/12 10:54 / dmf |
| Polonium 210 MDC | 0.3 | pCi/L | | | | E912.0 | 07/19/12 10:54 / dmf |
| Radium 226 | <0.13 | pCi/L | U | 0.13 | | E903.0 | 07/16/12 17:31 / trs |
| Radium 226 precision (±) | 0.06 | pCi/L | | | | E903.0 | 07/16/12 17:31 / trs |
| Radium 226 MDC | 0.13 | pCi/L | | | | E903.0 | 07/16/12 17:31 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 07/18/12 08:31 / dmf |
| Thorium 230 precision (±) | 0.08 | pCi/L | | | | E908.0 | 07/18/12 08:31 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 07/18/12 08:31 / dmf |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples June 2012
Lab ID: C12060907-028
Client Sample ID: Well #735

Report Date: 07/31/12
Collection Date: 06/20/12
Date Received: 06/21/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0063 | mg/L | | 0.0003 | | E200.8 | 06/29/12 18:15 / cp |
| Uranium, Activity | 4.2E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 06/29/12 18:15 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 07/09/12 18:43 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 07/09/12 18:43 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 07/13/12 07:31 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 07/13/12 07:31 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 07/13/12 07:31 / eli-cs |
| Polonium 210 | <0.7 | pCi/L | U | 0.7 | | E912.0 | 07/05/12 14:52 / dmf |
| Polonium 210 precision (±) | 0.4 | pCi/L | | | | E912.0 | 07/05/12 14:52 / dmf |
| Polonium 210 MDC | 0.7 | pCi/L | | | | E912.0 | 07/05/12 14:52 / dmf |
| Radium 226 | <0.16 | pCi/L | U | 0.16 | | E903.0 | 07/04/12 06:28 / trs |
| Radium 226 precision (±) | 0.11 | pCi/L | | | | E903.0 | 07/04/12 06:28 / trs |
| Radium 226 MDC | 0.16 | pCi/L | | | | E903.0 | 07/04/12 06:28 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 07/20/12 08:28 / dmf |
| Thorium 230 precision (±) | 0.1 | pCi/L | | | | E908.0 | 07/20/12 08:28 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 07/20/12 08:28 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 07/29/12 15:22 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 07/29/12 15:22 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 07/29/12 15:22 / eli-cs |
| Polonium 210 | <0.3 | pCi/L | U | 0.3 | | E912.0 | 07/19/12 10:54 / dmf |
| Polonium 210 precision (±) | 0.1 | pCi/L | | | | E912.0 | 07/19/12 10:54 / dmf |
| Polonium 210 MDC | 0.3 | pCi/L | | | | E912.0 | 07/19/12 10:54 / dmf |
| Radium 226 | <0.13 | pCi/L | U | 0.13 | | E903.0 | 07/16/12 17:31 / trs |
| Radium 226 precision (±) | 0.05 | pCi/L | | | | E903.0 | 07/16/12 17:31 / trs |
| Radium 226 MDC | 0.13 | pCi/L | | | | E903.0 | 07/16/12 17:31 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 07/18/12 08:31 / dmf |
| Thorium 230 precision (±) | 0.04 | pCi/L | | | | E908.0 | 07/18/12 08:31 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 07/18/12 08:31 / dmf |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples June 2012
Lab ID: C12060907-032
Client Sample ID: Well #739

Report Date: 07/31/12
Collection Date: 06/20/12
Date Received: 06/21/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0089 | mg/L | | 0.0003 | | E200.8 | 06/29/12 18:33 / cp |
| Uranium, Activity | 6.0E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 06/29/12 18:33 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 07/09/12 18:49 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 07/09/12 18:49 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 07/13/12 20:55 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 07/13/12 20:55 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 07/13/12 20:55 / eli-cs |
| Polonium 210 | <0.8 | pCi/L | U | 0.8 | | E912.0 | 07/06/12 09:35 / dmf |
| Polonium 210 precision (±) | 0.4 | pCi/L | | | | E912.0 | 07/06/12 09:35 / dmf |
| Polonium 210 MDC | 0.8 | pCi/L | | | | E912.0 | 07/06/12 09:35 / dmf |
| Radium 226 | <0.15 | pCi/L | U | 0.15 | | E903.0 | 07/04/12 08:28 / trs |
| Radium 226 precision (±) | 0.11 | pCi/L | | | | E903.0 | 07/04/12 08:28 / trs |
| Radium 226 MDC | 0.15 | pCi/L | | | | E903.0 | 07/04/12 08:28 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 07/20/12 08:28 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 07/20/12 08:28 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 07/20/12 08:28 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 07/29/12 18:32 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 07/29/12 18:32 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 07/29/12 18:32 / eli-cs |
| Polonium 210 | <0.3 | pCi/L | U | 0.3 | | E912.0 | 07/19/12 10:54 / dmf |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 07/19/12 10:54 / dmf |
| Polonium 210 MDC | 0.3 | pCi/L | | | | E912.0 | 07/19/12 10:54 / dmf |
| Radium 226 | <0.12 | pCi/L | U | 0.12 | | E903.0 | 07/16/12 22:06 / trs |
| Radium 226 precision (±) | 0.05 | pCi/L | | | | E903.0 | 07/16/12 22:06 / trs |
| Radium 226 MDC | 0.12 | pCi/L | | | | E903.0 | 07/16/12 22:06 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 07/18/12 08:31 / dmf |
| Thorium 230 precision (±) | 0.05 | pCi/L | | | | E908.0 | 07/18/12 08:31 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 07/18/12 08:31 / dmf |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples June 2012
Lab ID: C12060907-031
Client Sample ID: Well #740

Report Date: 07/31/12
Collection Date: 06/20/12
Date Received: 06/21/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0130 | mg/L | | 0.0003 | | E200.8 | 06/29/12 18:32 / cp |
| Uranium, Activity | 8.8E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 06/29/12 18:32 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 07/09/12 18:48 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 07/09/12 18:48 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 07/13/12 17:34 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 07/13/12 17:34 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 07/13/12 17:34 / eli-cs |
| Polonium 210 | <0.6 | pCi/L | U | 0.6 | | E912.0 | 07/06/12 09:35 / dmf |
| Polonium 210 precision (±) | 0.5 | pCi/L | | | | E912.0 | 07/06/12 09:35 / dmf |
| Polonium 210 MDC | 0.6 | pCi/L | | | | E912.0 | 07/06/12 09:35 / dmf |
| Radium 226 | <0.13 | pCi/L | U | 0.13 | | E903.0 | 07/04/12 08:28 / trs |
| Radium 226 precision (±) | 0.09 | pCi/L | | | | E903.0 | 07/04/12 08:28 / trs |
| Radium 226 MDC | 0.13 | pCi/L | | | | E903.0 | 07/04/12 08:28 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 07/20/12 08:28 / dmf |
| Thorium 230 precision (±) | 0.08 | pCi/L | | | | E908.0 | 07/20/12 08:28 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 07/20/12 08:28 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 07/29/12 17:44 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 07/29/12 17:44 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 07/29/12 17:44 / eli-cs |
| Polonium 210 | <0.2 | pCi/L | U | 0.2 | | E912.0 | 07/19/12 10:54 / dmf |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 07/19/12 10:54 / dmf |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 07/19/12 10:54 / dmf |
| Radium 226 | <0.13 | pCi/L | U | 0.13 | | E903.0 | 07/16/12 22:06 / trs |
| Radium 226 precision (±) | 0.06 | pCi/L | | | | E903.0 | 07/16/12 22:06 / trs |
| Radium 226 MDC | 0.13 | pCi/L | | | | E903.0 | 07/16/12 22:06 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 07/18/12 08:31 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 07/18/12 08:31 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 07/18/12 08:31 / dmf |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples June 2012
Lab ID: C12060907-030
Client Sample ID: Well #742

Report Date: 07/31/12
Collection Date: 06/20/12
Date Received: 06/21/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0128 | mg/L | | 0.0003 | | E200.8 | 06/29/12 18:30 / cp |
| Uranium, Activity | 8.6E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 06/29/12 18:30 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 07/09/12 18:46 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 07/09/12 18:46 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 07/13/12 14:13 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 07/13/12 14:13 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 07/13/12 14:13 / eli-cs |
| Polonium 210 | <0.8 | pCi/L | U | 0.8 | | E912.0 | 07/05/12 14:52 / dmf |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 07/05/12 14:52 / dmf |
| Polonium 210 MDC | 0.8 | pCi/L | | | | E912.0 | 07/05/12 14:52 / dmf |
| Radium 226 | <0.15 | pCi/L | U | 0.15 | | E903.0 | 07/04/12 08:28 / trs |
| Radium 226 precision (±) | 0.09 | pCi/L | | | | E903.0 | 07/04/12 08:28 / trs |
| Radium 226 MDC | 0.15 | pCi/L | | | | E903.0 | 07/04/12 08:28 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 07/20/12 08:28 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 07/20/12 08:28 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 07/20/12 08:28 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 07/29/12 16:57 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 07/29/12 16:57 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 07/29/12 16:57 / eli-cs |
| Polonium 210 | <0.2 | pCi/L | U | 0.2 | | E912.0 | 07/19/12 10:54 / dmf |
| Polonium 210 precision (±) | 0.1 | pCi/L | | | | E912.0 | 07/19/12 10:54 / dmf |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 07/19/12 10:54 / dmf |
| Radium 226 | <0.13 | pCi/L | U | 0.13 | | E903.0 | 07/16/12 22:06 / trs |
| Radium 226 precision (±) | 0.05 | pCi/L | | | | E903.0 | 07/16/12 22:06 / trs |
| Radium 226 MDC | 0.13 | pCi/L | | | | E903.0 | 07/16/12 22:06 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 07/18/12 08:31 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 07/18/12 08:31 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 07/18/12 08:31 / dmf |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples June 2012
Lab ID: C12060907-001
Client Sample ID: Well #743

Report Date: 07/31/12
Collection Date: 06/18/12
Date Received: 06/21/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0165 | mg/L | | 0.0003 | | E200.8 | 06/27/12 22:15 / cp |
| Uranium, Activity | 1.1E-08 | uCi/mL | | 2.0E-10 | | E200.8 | 06/27/12 22:15 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 07/02/12 18:32 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 07/02/12 18:32 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 07/08/12 12:36 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 07/08/12 12:36 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 07/08/12 12:36 / eli-cs |
| Polonium 210 | 1.6 | pCi/L | | 0.6 | | E912.0 | 06/25/12 12:50 / dmf |
| Polonium 210 precision (±) | 1 | pCi/L | | | | E912.0 | 06/25/12 12:50 / dmf |
| Polonium 210 MDC | 0.6 | pCi/L | | | | E912.0 | 06/25/12 12:50 / dmf |
| Radium 226 | 0.42 | pCi/L | | 0.18 | | E903.0 | 07/03/12 21:26 / trs |
| Radium 226 precision (±) | 0.17 | pCi/L | | | | E903.0 | 07/03/12 21:26 / trs |
| Radium 226 MDC | 0.18 | pCi/L | | | | E903.0 | 07/03/12 21:26 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 07/05/12 08:50 / dmf |
| Thorium 230 precision (±) | 0.05 | pCi/L | | | | E908.0 | 07/05/12 08:50 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 07/05/12 08:50 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.6 | pCi/L | U | 0.6 | | E909.0 | 07/08/12 12:40 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 07/08/12 12:40 / eli-cs |
| Lead 210 MDC | 0.6 | pCi/L | | | | E909.0 | 07/08/12 12:40 / eli-cs |
| Polonium 210 | 0.7 | pCi/L | | 0.3 | | E912.0 | 07/13/12 10:36 / dmf |
| Polonium 210 precision (±) | 0.4 | pCi/L | | | | E912.0 | 07/13/12 10:36 / dmf |
| Polonium 210 MDC | 0.3 | pCi/L | | | | E912.0 | 07/13/12 10:36 / dmf |
| Radium 226 | <0.14 | pCi/L | U | 0.14 | | E903.0 | 07/16/12 13:58 / trs |
| Radium 226 precision (±) | 0.05 | pCi/L | | | | E903.0 | 07/16/12 13:58 / trs |
| Radium 226 MDC | 0.14 | pCi/L | | | | E903.0 | 07/16/12 13:58 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 06/29/12 08:54 / dmf |
| Thorium 230 precision (±) | 0.05 | pCi/L | | | | E908.0 | 06/29/12 08:54 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 06/29/12 08:54 / dmf |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples June 2012
Lab ID: C12060907-002
Client Sample ID: Well #744

Report Date: 07/31/12
Collection Date: 06/18/12
Date Received: 06/21/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0043 | mg/L | | 0.0003 | | E200.8 | 07/09/12 12:27 / cp |
| Uranium, Activity | 2.9E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 07/09/12 12:27 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 07/02/12 18:34 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 07/02/12 18:34 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 07/08/12 15:57 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 07/08/12 15:57 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 07/08/12 15:57 / eli-cs |
| Polonium 210 | 1 | pCi/L | | 0.5 | | E912.0 | 06/25/12 12:50 / dmf |
| Polonium 210 precision (±) | 0.6 | pCi/L | | | | E912.0 | 06/25/12 12:50 / dmf |
| Polonium 210 MDC | 0.5 | pCi/L | | | | E912.0 | 06/25/12 12:50 / dmf |
| Radium 226 | 0.46 | pCi/L | | 0.20 | | E903.0 | 07/03/12 21:26 / trs |
| Radium 226 precision (±) | 0.19 | pCi/L | | | | E903.0 | 07/03/12 21:26 / trs |
| Radium 226 MDC | 0.20 | pCi/L | | | | E903.0 | 07/03/12 21:26 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 07/05/12 08:50 / dmf |
| Thorium 230 precision (±) | 0.09 | pCi/L | | | | E908.0 | 07/05/12 08:50 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 07/05/12 08:50 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.6 | pCi/L | U | 0.6 | | E909.0 | 07/08/12 14:45 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 07/08/12 14:45 / eli-cs |
| Lead 210 MDC | 0.6 | pCi/L | | | | E909.0 | 07/08/12 14:45 / eli-cs |
| Polonium 210 | <0.2 | pCi/L | U | 0.2 | | E912.0 | 07/13/12 10:36 / dmf |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 07/13/12 10:36 / dmf |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 07/13/12 10:36 / dmf |
| Radium 226 | <0.15 | pCi/L | U | 0.15 | | E903.0 | 07/16/12 13:58 / trs |
| Radium 226 precision (±) | 0.1 | pCi/L | | | | E903.0 | 07/16/12 13:58 / trs |
| Radium 226 MDC | 0.15 | pCi/L | | | | E903.0 | 07/16/12 13:58 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 06/29/12 08:54 / dmf |
| Thorium 230 precision (±) | 0.04 | pCi/L | | | | E908.0 | 06/29/12 08:54 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 06/29/12 08:54 / dmf |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples June 2012
Lab ID: C12060907-003
Client Sample ID: Well #745

Report Date: 07/31/12
Collection Date: 06/18/12
Date Received: 06/21/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0072 | mg/L | | 0.0003 | | E200.8 | 07/09/12 12:29 / cp |
| Uranium, Activity | 4.8E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 07/09/12 12:29 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 07/02/12 18:37 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 07/02/12 18:37 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 07/08/12 19:17 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 07/08/12 19:17 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 07/08/12 19:17 / eli-cs |
| Polonium 210 | <0.4 | pCi/L | U | 0.4 | | E912.0 | 06/25/12 12:50 / dmf |
| Polonium 210 precision (±) | 0.4 | pCi/L | | | | E912.0 | 06/25/12 12:50 / dmf |
| Polonium 210 MDC | 0.4 | pCi/L | | | | E912.0 | 06/25/12 12:50 / dmf |
| Radium 226 | <0.24 | pCi/L | U | 0.24 | | E903.0 | 07/03/12 21:26 / trs |
| Radium 226 precision (±) | 0.15 | pCi/L | | | | E903.0 | 07/03/12 21:26 / trs |
| Radium 226 MDC | 0.24 | pCi/L | | | | E903.0 | 07/03/12 21:26 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 07/05/12 08:50 / dmf |
| Thorium 230 precision (±) | 0.05 | pCi/L | | | | E908.0 | 07/05/12 08:50 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 07/05/12 08:50 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 07/08/12 16:50 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 07/08/12 16:50 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 07/08/12 16:50 / eli-cs |
| Polonium 210 | 0.5 | pCi/L | | 0.3 | | E912.0 | 07/13/12 10:36 / dmf |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 07/13/12 10:36 / dmf |
| Polonium 210 MDC | 0.3 | pCi/L | | | | E912.0 | 07/13/12 10:36 / dmf |
| Radium 226 | <0.17 | pCi/L | U | 0.17 | | E903.0 | 07/16/12 13:58 / trs |
| Radium 226 precision (±) | 0.07 | pCi/L | | | | E903.0 | 07/16/12 13:58 / trs |
| Radium 226 MDC | 0.17 | pCi/L | | | | E903.0 | 07/16/12 13:58 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 06/29/12 08:54 / dmf |
| Thorium 230 precision (±) | 0.04 | pCi/L | | | | E908.0 | 06/29/12 08:54 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 06/29/12 08:54 / dmf |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples June 2012
Lab ID: C12060907-004
Client Sample ID: Well #746

Report Date: 07/31/12
Collection Date: 06/18/12
Date Received: 06/21/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0114 | mg/L | | 0.0003 | | E200.8 | 06/29/12 16:47 / cp |
| Uranium, Activity | 7.8E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 06/29/12 16:47 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 07/02/12 18:39 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 07/02/12 18:39 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 07/08/12 22:37 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 07/08/12 22:37 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 07/08/12 22:37 / eli-cs |
| Polonium 210 | <0.7 | pCi/L | U | 0.7 | | E912.0 | 07/05/12 13:14 / plj |
| Polonium 210 precision (±) | 0.5 | pCi/L | | | | E912.0 | 07/05/12 13:14 / plj |
| Polonium 210 MDC | 0.7 | pCi/L | | | | E912.0 | 07/05/12 13:14 / plj |
| Radium 226 | 0.17 | pCi/L | | 0.17 | | E903.0 | 07/03/12 16:52 / gb |
| Radium 226 precision (±) | 0.12 | pCi/L | | | | E903.0 | 07/03/12 16:52 / gb |
| Radium 226 MDC | 0.17 | pCi/L | | | | E903.0 | 07/03/12 16:52 / gb |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 07/18/12 12:48 / dmf |
| Thorium 230 precision (±) | 0.08 | pCi/L | | | | E908.0 | 07/18/12 12:48 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 07/18/12 12:48 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.6 | pCi/L | U | 0.6 | | E909.0 | 07/08/12 18:55 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 07/08/12 18:55 / eli-cs |
| Lead 210 MDC | 0.6 | pCi/L | | | | E909.0 | 07/08/12 18:55 / eli-cs |
| Polonium 210 | <0.2 | pCi/L | U | 0.2 | | E912.0 | 07/13/12 10:36 / dmf |
| Polonium 210 precision (±) | 0.1 | pCi/L | | | | E912.0 | 07/13/12 10:36 / dmf |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 07/13/12 10:36 / dmf |
| Radium 226 | <0.16 | pCi/L | U | 0.16 | | E903.0 | 07/16/12 13:58 / trs |
| Radium 226 precision (±) | 0.09 | pCi/L | | | | E903.0 | 07/16/12 13:58 / trs |
| Radium 226 MDC | 0.16 | pCi/L | | | | E903.0 | 07/16/12 13:58 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 06/29/12 08:54 / dmf |
| Thorium 230 precision (±) | 0.04 | pCi/L | | | | E908.0 | 06/29/12 08:54 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 06/29/12 08:54 / dmf |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples June 2012
Lab ID: C12060907-005
Client Sample ID: Well #747

Report Date: 07/31/12
Collection Date: 06/18/12
Date Received: 06/21/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0134 | mg/L | | 0.0003 | | E200.8 | 06/29/12 16:49 / cp |
| Uranium, Activity | 9.1E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 06/29/12 16:49 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 07/02/12 18:42 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 07/02/12 18:42 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 07/09/12 01:57 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 07/09/12 01:57 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 07/09/12 01:57 / eli-cs |
| Polonium 210 | <0.4 | pCi/L | U | 0.4 | | E912.0 | 07/05/12 13:14 / plj |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 07/05/12 13:14 / plj |
| Polonium 210 MDC | 0.4 | pCi/L | | | | E912.0 | 07/05/12 13:14 / plj |
| Radium 226 | <0.17 | pCi/L | U | 0.17 | | E903.0 | 07/03/12 16:52 / gb |
| Radium 226 precision (±) | 0.11 | pCi/L | | | | E903.0 | 07/03/12 16:52 / gb |
| Radium 226 MDC | 0.17 | pCi/L | | | | E903.0 | 07/03/12 16:52 / gb |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 07/18/12 12:48 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 07/18/12 12:48 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 07/18/12 12:48 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.6 | pCi/L | U | 0.6 | | E909.0 | 07/08/12 21:00 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 07/08/12 21:00 / eli-cs |
| Lead 210 MDC | 0.6 | pCi/L | | | | E909.0 | 07/08/12 21:00 / eli-cs |
| Polonium 210 | <0.3 | pCi/L | U | 0.3 | | E912.0 | 07/13/12 10:36 / dmf |
| Polonium 210 precision (±) | 0.1 | pCi/L | | | | E912.0 | 07/13/12 10:36 / dmf |
| Polonium 210 MDC | 0.3 | pCi/L | | | | E912.0 | 07/13/12 10:36 / dmf |
| Radium 226 | <0.15 | pCi/L | U | 0.15 | | E903.0 | 07/16/12 13:58 / trs |
| Radium 226 precision (±) | 0.06 | pCi/L | | | | E903.0 | 07/16/12 13:58 / trs |
| Radium 226 MDC | 0.15 | pCi/L | | | | E903.0 | 07/16/12 13:58 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 06/29/12 08:54 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 06/29/12 08:54 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 06/29/12 08:54 / dmf |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples June 2012
Lab ID: C12060907-006
Client Sample ID: Well #748

Report Date: 07/31/12
Collection Date: 06/18/12
Date Received: 06/21/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0082 | mg/L | | 0.0003 | | E200.8 | 06/29/12 16:50 / cp |
| Uranium, Activity | 5.6E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 06/29/12 16:50 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 07/02/12 18:44 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 07/02/12 18:44 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 07/09/12 05:17 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 07/09/12 05:17 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 07/09/12 05:17 / eli-cs |
| Polonium 210 | <0.7 | pCi/L | U | 0.7 | | E912.0 | 07/05/12 13:14 / plj |
| Polonium 210 precision (±) | 0.4 | pCi/L | | | | E912.0 | 07/05/12 13:14 / plj |
| Polonium 210 MDC | 0.7 | pCi/L | | | | E912.0 | 07/05/12 13:14 / plj |
| Radium 226 | <0.17 | pCi/L | U | 0.17 | | E903.0 | 07/03/12 16:52 / gb |
| Radium 226 precision (±) | 0.12 | pCi/L | | | | E903.0 | 07/03/12 16:52 / gb |
| Radium 226 MDC | 0.17 | pCi/L | | | | E903.0 | 07/03/12 16:52 / gb |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 07/18/12 12:48 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 07/18/12 12:48 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 07/18/12 12:48 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.6 | pCi/L | U | 0.6 | | E909.0 | 07/08/12 23:05 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 07/08/12 23:05 / eli-cs |
| Lead 210 MDC | 0.6 | pCi/L | | | | E909.0 | 07/08/12 23:05 / eli-cs |
| Polonium 210 | <0.2 | pCi/L | U | 0.2 | | E912.0 | 07/13/12 10:36 / dmf |
| Polonium 210 precision (±) | 0.1 | pCi/L | | | | E912.0 | 07/13/12 10:36 / dmf |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 07/13/12 10:36 / dmf |
| Radium 226 | <0.13 | pCi/L | U | 0.13 | | E903.0 | 07/16/12 13:58 / trs |
| Radium 226 precision (±) | 0.09 | pCi/L | | | | E903.0 | 07/16/12 13:58 / trs |
| Radium 226 MDC | 0.13 | pCi/L | | | | E903.0 | 07/16/12 13:58 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 06/29/12 08:54 / dmf |
| Thorium 230 precision (±) | 0.05 | pCi/L | | | | E908.0 | 06/29/12 08:54 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 06/29/12 08:54 / dmf |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples June 2012
Lab ID: C12060907-007
Client Sample ID: Well #750

Report Date: 07/31/12
Collection Date: 06/18/12
Date Received: 06/21/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0054 | mg/L | | 0.0003 | | E200.8 | 06/29/12 17:22 / cp |
| Uranium, Activity | 3.7E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 06/29/12 17:22 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 07/02/12 18:47 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 07/02/12 18:47 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 07/09/12 08:38 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 07/09/12 08:38 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 07/09/12 08:38 / eli-cs |
| Polonium 210 | <0.6 | pCi/L | U | 0.6 | | E912.0 | 07/05/12 13:14 / plj |
| Polonium 210 precision (±) | 0.5 | pCi/L | | | | E912.0 | 07/05/12 13:14 / plj |
| Polonium 210 MDC | 0.6 | pCi/L | | | | E912.0 | 07/05/12 13:14 / plj |
| Radium 226 | <0.17 | pCi/L | U | 0.17 | | E903.0 | 07/03/12 16:52 / gb |
| Radium 226 precision (±) | 0.08 | pCi/L | | | | E903.0 | 07/03/12 16:52 / gb |
| Radium 226 MDC | 0.17 | pCi/L | | | | E903.0 | 07/03/12 16:52 / gb |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 07/18/12 12:48 / dmf |
| Thorium 230 precision (±) | 0.09 | pCi/L | | | | E908.0 | 07/18/12 12:48 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 07/18/12 12:48 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.6 | pCi/L | U | 0.6 | | E909.0 | 07/09/12 01:10 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 07/09/12 01:10 / eli-cs |
| Lead 210 MDC | 0.6 | pCi/L | | | | E909.0 | 07/09/12 01:10 / eli-cs |
| Polonium 210 | <0.3 | pCi/L | U | 0.3 | | E912.0 | 07/13/12 10:36 / dmf |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 07/13/12 10:36 / dmf |
| Polonium 210 MDC | 0.3 | pCi/L | | | | E912.0 | 07/13/12 10:36 / dmf |
| Radium 226 | <0.13 | pCi/L | U | 0.13 | | E903.0 | 07/16/12 13:58 / trs |
| Radium 226 precision (±) | 0.06 | pCi/L | | | | E903.0 | 07/16/12 13:58 / trs |
| Radium 226 MDC | 0.13 | pCi/L | | | | E903.0 | 07/16/12 13:58 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 06/29/12 08:54 / dmf |
| Thorium 230 precision (±) | 0.05 | pCi/L | | | | E908.0 | 06/29/12 08:54 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 06/29/12 08:54 / dmf |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples June 2012
Lab ID: C12061082-002
Client Sample ID: Well #752

Report Date: 08/14/12
Collection Date: 06/21/12
Date Received: 06/26/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0096 | mg/L | | 0.0003 | | E200.8 | 07/09/12 19:08 / cp |
| Uranium, Activity | 6.5E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 07/09/12 19:08 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 07/09/12 20:44 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 07/09/12 20:44 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.9 | pCi/L | U | 0.9 | | E909.0 | 07/16/12 00:23 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 07/16/12 00:23 / eli-cs |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 07/16/12 00:23 / eli-cs |
| Polonium 210 | <0.7 | pCi/L | U | 0.7 | | E912.0 | 07/12/12 16:31 / dmf |
| Polonium 210 precision (±) | 0.5 | pCi/L | | | | E912.0 | 07/12/12 16:31 / dmf |
| Polonium 210 MDC | 0.7 | pCi/L | | | | E912.0 | 07/12/12 16:31 / dmf |
| Radium 226 | 0.29 | pCi/L | | 0.19 | | E903.0 | 07/03/12 21:26 / trs |
| Radium 226 precision (±) | 0.16 | pCi/L | | | | E903.0 | 07/03/12 21:26 / trs |
| Radium 226 MDC | 0.19 | pCi/L | | | | E903.0 | 07/03/12 21:26 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 07/11/12 09:12 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 07/11/12 09:12 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 07/11/12 09:12 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 07/31/12 23:17 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 07/31/12 23:17 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 07/31/12 23:17 / eli-cs |
| Polonium 210 | <0.4 | pCi/L | U | 0.4 | | E912.0 | 07/23/12 12:46 / plj |
| Polonium 210 precision (±) | 0.1 | pCi/L | | | | E912.0 | 07/23/12 12:46 / plj |
| Polonium 210 MDC | 0.4 | pCi/L | | | | E912.0 | 07/23/12 12:46 / plj |
| Radium 226 | <0.13 | pCi/L | U | 0.13 | | E903.0 | 07/17/12 13:37 / trs |
| Radium 226 precision (±) | 0.08 | pCi/L | | | | E903.0 | 07/17/12 13:37 / trs |
| Radium 226 MDC | 0.13 | pCi/L | | | | E903.0 | 07/17/12 13:37 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 07/18/12 08:33 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 07/18/12 08:33 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 07/18/12 08:33 / dmf |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples June 2012
Lab ID: C12061082-003
Client Sample ID: Well #753

Report Date: 08/14/12
Collection Date: 06/21/12
Date Received: 06/26/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0059 | mg/L | | 0.0003 | | E200.8 | 07/09/12 19:13 / cp |
| Uranium, Activity | 4.0E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 07/09/12 19:13 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 07/09/12 20:52 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 07/09/12 20:52 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.9 | pCi/L | U | 0.9 | | E909.0 | 07/16/12 02:06 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 07/16/12 02:06 / eli-cs |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 07/16/12 02:06 / eli-cs |
| Polonium 210 | <1 | pCi/L | U | 1 | | E912.0 | 07/23/12 08:12 / plj |
| Polonium 210 precision (±) | 0.4 | pCi/L | | | | E912.0 | 07/23/12 08:12 / plj |
| Polonium 210 MDC | 1 | pCi/L | | | | E912.0 | 07/23/12 08:12 / plj |
| Radium 226 | <0.19 | pCi/L | U | 0.19 | | E903.0 | 07/03/12 21:26 / trs |
| Radium 226 precision (±) | 0.08 | pCi/L | | | | E903.0 | 07/03/12 21:26 / trs |
| Radium 226 MDC | 0.19 | pCi/L | | | | E903.0 | 07/03/12 21:26 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 07/11/12 09:12 / dmf |
| Thorium 230 precision (±) | 0.1 | pCi/L | | | | E908.0 | 07/11/12 09:12 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 07/11/12 09:12 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 08/01/12 00:04 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 08/01/12 00:04 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 08/01/12 00:04 / eli-cs |
| Polonium 210 | <0.3 | pCi/L | U | 0.3 | | E912.0 | 07/23/12 12:46 / plj |
| Polonium 210 precision (±) | 0.1 | pCi/L | | | | E912.0 | 07/23/12 12:46 / plj |
| Polonium 210 MDC | 0.3 | pCi/L | | | | E912.0 | 07/23/12 12:46 / plj |
| Radium 226 | <0.13 | pCi/L | U | 0.13 | | E903.0 | 07/17/12 13:37 / trs |
| Radium 226 precision (±) | 0.07 | pCi/L | | | | E903.0 | 07/17/12 13:37 / trs |
| Radium 226 MDC | 0.13 | pCi/L | | | | E903.0 | 07/17/12 13:37 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 07/18/12 08:33 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 07/18/12 08:33 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 07/18/12 08:33 / dmf |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples June 2012
Lab ID: C12061082-004
Client Sample ID: Well #754

Report Date: 08/14/12
Collection Date: 06/21/12
Date Received: 06/26/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0082 | mg/L | | 0.0003 | | E200.8 | 07/09/12 19:15 / cp |
| Uranium, Activity | 5.5E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 07/09/12 19:15 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 07/09/12 20:54 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 07/09/12 20:54 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.9 | pCi/L | U | 0.9 | | E909.0 | 07/16/12 03:48 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 07/16/12 03:48 / eli-cs |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 07/16/12 03:48 / eli-cs |
| Polonium 210 | <0.8 | pCi/L | U | 0.8 | | E912.0 | 07/17/12 12:18 / plj |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 07/17/12 12:18 / plj |
| Polonium 210 MDC | 0.8 | pCi/L | | | | E912.0 | 07/17/12 12:18 / plj |
| Radium 226 | 9.5 | pCi/L | | 0.19 | | E903.0 | 07/03/12 21:26 / trs |
| Radium 226 precision (±) | 0.67 | pCi/L | | | | E903.0 | 07/03/12 21:26 / trs |
| Radium 226 MDC | 0.19 | pCi/L | | | | E903.0 | 07/03/12 21:26 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 07/11/12 09:12 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 07/11/12 09:12 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 07/11/12 09:12 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 08/01/12 00:52 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 08/01/12 00:52 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 08/01/12 00:52 / eli-cs |
| Polonium 210 | <0.3 | pCi/L | U | 0.3 | | E912.0 | 07/23/12 12:46 / plj |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 07/23/12 12:46 / plj |
| Polonium 210 MDC | 0.3 | pCi/L | | | | E912.0 | 07/23/12 12:46 / plj |
| Radium 226 | <0.13 | pCi/L | U | 0.13 | | E903.0 | 07/17/12 13:37 / trs |
| Radium 226 precision (±) | 0.07 | pCi/L | | | | E903.0 | 07/17/12 13:37 / trs |
| Radium 226 MDC | 0.13 | pCi/L | | | | E903.0 | 07/17/12 13:37 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 07/18/12 08:33 / dmf |
| Thorium 230 precision (±) | 0.09 | pCi/L | | | | E908.0 | 07/18/12 08:33 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 07/18/12 08:33 / dmf |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples June 2012
Lab ID: C12061082-005
Client Sample ID: Well #755

Report Date: 08/14/12
Collection Date: 06/21/12
Date Received: 06/26/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0075 | mg/L | | 0.0003 | | E200.8 | 07/09/12 19:16 / cp |
| Uranium, Activity | 5.1E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 07/09/12 19:16 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 07/09/12 20:56 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 07/09/12 20:56 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.9 | pCi/L | U | 0.9 | | E909.0 | 07/16/12 05:30 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 07/16/12 05:30 / eli-cs |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 07/16/12 05:30 / eli-cs |
| Polonium 210 | <1 | pCi/L | U | 1 | | E912.0 | 07/23/12 08:12 / plj |
| Polonium 210 precision (±) | 0.8 | pCi/L | | | | E912.0 | 07/23/12 08:12 / plj |
| Polonium 210 MDC | 1 | pCi/L | | | | E912.0 | 07/23/12 08:12 / plj |
| Radium 226 | 2.4 | pCi/L | | 0.17 | | E903.0 | 07/17/12 22:23 / gb |
| Radium 226 precision (±) | 0.32 | pCi/L | | | | E903.0 | 07/17/12 22:23 / gb |
| Radium 226 MDC | 0.17 | pCi/L | | | | E903.0 | 07/17/12 22:23 / gb |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 07/11/12 09:12 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 07/11/12 09:12 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 07/11/12 09:12 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 08/01/12 01:39 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 08/01/12 01:39 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 08/01/12 01:39 / eli-cs |
| Polonium 210 | <0.4 | pCi/L | U | 0.4 | | E912.0 | 07/23/12 12:46 / plj |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 07/23/12 12:46 / plj |
| Polonium 210 MDC | 0.4 | pCi/L | | | | E912.0 | 07/23/12 12:46 / plj |
| Radium 226 | <0.14 | pCi/L | U | 0.14 | | E903.0 | 07/17/12 13:37 / trs |
| Radium 226 precision (±) | 0.08 | pCi/L | | | | E903.0 | 07/17/12 13:37 / trs |
| Radium 226 MDC | 0.14 | pCi/L | | | | E903.0 | 07/17/12 13:37 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 07/18/12 08:33 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 07/18/12 08:33 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 07/18/12 08:33 / dmf |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples June 2012
Lab ID: C12060907-033
Client Sample ID: Well #777

Report Date: 07/31/12
Collection Date: 06/20/12
Date Received: 06/21/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0113 | mg/L | | 0.0003 | | E200.8 | 06/29/12 18:35 / cp |
| Uranium, Activity | 7.7E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 06/29/12 18:35 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 07/09/12 18:51 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 07/09/12 18:51 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 07/14/12 00:16 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 07/14/12 00:16 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 07/14/12 00:16 / eli-cs |
| Polonium 210 | <0.6 | pCi/L | U | 0.6 | | E912.0 | 07/06/12 09:35 / dmf |
| Polonium 210 precision (±) | 0.4 | pCi/L | | | | E912.0 | 07/06/12 09:35 / dmf |
| Polonium 210 MDC | 0.6 | pCi/L | | | | E912.0 | 07/06/12 09:35 / dmf |
| Radium 226 | <0.14 | pCi/L | U | 0.14 | | E903.0 | 07/04/12 08:28 / trs |
| Radium 226 precision (±) | 0.08 | pCi/L | | | | E903.0 | 07/04/12 08:28 / trs |
| Radium 226 MDC | 0.14 | pCi/L | | | | E903.0 | 07/04/12 08:28 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 07/20/12 08:28 / dmf |
| Thorium 230 precision (±) | 0.09 | pCi/L | | | | E908.0 | 07/20/12 08:28 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 07/20/12 08:28 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 07/29/12 19:19 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 07/29/12 19:19 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 07/29/12 19:19 / eli-cs |
| Polonium 210 | <0.2 | pCi/L | U | 0.2 | | E912.0 | 07/19/12 10:54 / dmf |
| Polonium 210 precision (±) | 0.1 | pCi/L | | | | E912.0 | 07/19/12 10:54 / dmf |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 07/19/12 10:54 / dmf |
| Radium 226 | <0.13 | pCi/L | U | 0.13 | | E903.0 | 07/16/12 22:06 / trs |
| Radium 226 precision (±) | 0.06 | pCi/L | | | | E903.0 | 07/16/12 22:06 / trs |
| Radium 226 MDC | 0.13 | pCi/L | | | | E903.0 | 07/16/12 22:06 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 07/18/12 08:31 / dmf |
| Thorium 230 precision (±) | 0.04 | pCi/L | | | | E908.0 | 07/18/12 08:31 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 07/18/12 08:31 / dmf |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples June 2012
Lab ID: C12061082-001
Client Sample ID: Well #788

Report Date: 08/14/12
Collection Date: 06/22/12
Date Received: 06/26/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0081 | mg/L | | 0.0003 | | E200.8 | 07/09/12 19:06 / cp |
| Uranium, Activity | 5.5E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 07/09/12 19:06 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 07/09/12 20:42 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 07/09/12 20:42 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.9 | pCi/L | U | 0.9 | | E909.0 | 07/15/12 22:41 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 07/15/12 22:41 / eli-cs |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 07/15/12 22:41 / eli-cs |
| Polonium 210 | <0.6 | pCi/L | U | 0.6 | | E912.0 | 07/12/12 16:32 / dmf |
| Polonium 210 precision (±) | 0.5 | pCi/L | | | | E912.0 | 07/12/12 16:32 / dmf |
| Polonium 210 MDC | 0.6 | pCi/L | | | | E912.0 | 07/12/12 16:32 / dmf |
| Radium 226 | <0.19 | pCi/L | U | 0.19 | | E903.0 | 07/03/12 21:26 / trs |
| Radium 226 precision (±) | 0.12 | pCi/L | | | | E903.0 | 07/03/12 21:26 / trs |
| Radium 226 MDC | 0.19 | pCi/L | | | | E903.0 | 07/03/12 21:26 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 07/11/12 09:12 / dmf |
| Thorium 230 precision (±) | 0.08 | pCi/L | | | | E908.0 | 07/11/12 09:12 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 07/11/12 09:12 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 07/31/12 22:29 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 07/31/12 22:29 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 07/31/12 22:29 / eli-cs |
| Polonium 210 | <0.4 | pCi/L | U | 0.4 | | E912.0 | 07/23/12 12:46 / plj |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 07/23/12 12:46 / plj |
| Polonium 210 MDC | 0.4 | pCi/L | | | | E912.0 | 07/23/12 12:46 / plj |
| Radium 226 | <0.14 | pCi/L | U | 0.14 | | E903.0 | 07/17/12 13:37 / trs |
| Radium 226 precision (±) | 0.07 | pCi/L | | | | E903.0 | 07/17/12 13:37 / trs |
| Radium 226 MDC | 0.14 | pCi/L | | | | E903.0 | 07/17/12 13:37 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 07/18/12 08:33 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 07/18/12 08:33 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 07/18/12 08:33 / dmf |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples June 2012
Lab ID: C12060907-013
Client Sample ID: Well #794

Report Date: 07/31/12
Collection Date: 06/19/12
Date Received: 06/21/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0055 | mg/L | | 0.0003 | | E200.8 | 06/29/12 17:31 / cp |
| Uranium, Activity | 3.8E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 06/29/12 17:31 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 07/02/12 19:10 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 07/02/12 19:10 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 07/10/12 01:18 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 07/10/12 01:18 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 07/10/12 01:18 / eli-cs |
| Polonium 210 | <0.5 | pCi/L | U | 0.5 | | E912.0 | 07/05/12 13:14 / plj |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 07/05/12 13:14 / plj |
| Polonium 210 MDC | 0.5 | pCi/L | | | | E912.0 | 07/05/12 13:14 / plj |
| Radium 226 | <0.16 | pCi/L | U | 0.16 | | E903.0 | 07/03/12 21:30 / gb |
| Radium 226 precision (±) | 0.06 | pCi/L | | | | E903.0 | 07/03/12 21:30 / gb |
| Radium 226 MDC | 0.16 | pCi/L | | | | E903.0 | 07/03/12 21:30 / gb |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 07/19/12 15:30 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 07/19/12 15:30 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 07/19/12 15:30 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.6 | pCi/L | U | 0.6 | | E909.0 | 07/09/12 11:35 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 07/09/12 11:35 / eli-cs |
| Lead 210 MDC | 0.6 | pCi/L | | | | E909.0 | 07/09/12 11:35 / eli-cs |
| Polonium 210 | <0.2 | pCi/L | U | 0.2 | | E912.0 | 07/13/12 13:47 / dmf |
| Polonium 210 precision (±) | 0.1 | pCi/L | | | | E912.0 | 07/13/12 13:47 / dmf |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 07/13/12 13:47 / dmf |
| Radium 226 | <0.13 | pCi/L | U | 0.13 | | E903.0 | 07/16/12 15:48 / trs |
| Radium 226 precision (±) | 0.07 | pCi/L | | | | E903.0 | 07/16/12 15:48 / trs |
| Radium 226 MDC | 0.13 | pCi/L | | | | E903.0 | 07/16/12 15:48 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 06/29/12 08:55 / dmf |
| Thorium 230 precision (±) | 0.04 | pCi/L | | | | E908.0 | 06/29/12 08:55 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 06/29/12 08:55 / dmf |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples June 2012
Lab ID: C12060907-012
Client Sample ID: Well #795

Report Date: 07/31/12
Collection Date: 06/19/12
Date Received: 06/21/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0050 | mg/L | | 0.0003 | | E200.8 | 06/29/12 17:29 / cp |
| Uranium, Activity | 3.4E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 06/29/12 17:29 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 07/02/12 19:07 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 07/02/12 19:07 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.9 | pCi/L | U | 0.9 | | E909.0 | 07/09/12 21:58 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 07/09/12 21:58 / eli-cs |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 07/09/12 21:58 / eli-cs |
| Polonium 210 | <0.6 | pCi/L | U | 0.6 | | E912.0 | 07/05/12 13:14 / plj |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 07/05/12 13:14 / plj |
| Polonium 210 MDC | 0.6 | pCi/L | | | | E912.0 | 07/05/12 13:14 / plj |
| Radium 226 | <0.18 | pCi/L | U | 0.18 | | E903.0 | 07/03/12 16:52 / gb |
| Radium 226 precision (±) | 0.08 | pCi/L | | | | E903.0 | 07/03/12 16:52 / gb |
| Radium 226 MDC | 0.18 | pCi/L | | | | E903.0 | 07/03/12 16:52 / gb |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 07/19/12 15:30 / dmf |
| Thorium 230 precision (±) | 0.08 | pCi/L | | | | E908.0 | 07/19/12 15:30 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 07/19/12 15:30 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.6 | pCi/L | U | 0.6 | | E909.0 | 07/09/12 09:30 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 07/09/12 09:30 / eli-cs |
| Lead 210 MDC | 0.6 | pCi/L | | | | E909.0 | 07/09/12 09:30 / eli-cs |
| Polonium 210 | <0.3 | pCi/L | U | 0.3 | | E912.0 | 07/13/12 13:47 / dmf |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 07/13/12 13:47 / dmf |
| Polonium 210 MDC | 0.3 | pCi/L | | | | E912.0 | 07/13/12 13:47 / dmf |
| Radium 226 | <0.13 | pCi/L | U | 0.13 | | E903.0 | 07/16/12 15:48 / trs |
| Radium 226 precision (±) | 0.08 | pCi/L | | | | E903.0 | 07/16/12 15:48 / trs |
| Radium 226 MDC | 0.13 | pCi/L | | | | E903.0 | 07/16/12 15:48 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 06/29/12 08:55 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 06/29/12 08:55 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 06/29/12 08:55 / dmf |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples June 2012
Lab ID: C12060907-023
Client Sample ID: Well #799

Report Date: 07/31/12
Collection Date: 06/19/12
Date Received: 06/21/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0063 | mg/L | | 0.0003 | | E200.8 | 06/29/12 18:06 / cp |
| Uranium, Activity | 4.3E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 06/29/12 18:06 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 07/09/12 18:22 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 07/09/12 18:22 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 07/12/12 14:45 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 07/12/12 14:45 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 07/12/12 14:45 / eli-cs |
| Polonium 210 | <0.5 | pCi/L | U | 0.5 | | E912.0 | 07/05/12 14:51 / plj |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 07/05/12 14:51 / plj |
| Polonium 210 MDC | 0.5 | pCi/L | | | | E912.0 | 07/05/12 14:51 / plj |
| Radium 226 | <0.18 | pCi/L | U | 0.18 | | E903.0 | 07/04/12 06:28 / trs |
| Radium 226 precision (±) | 0.12 | pCi/L | | | | E903.0 | 07/04/12 06:28 / trs |
| Radium 226 MDC | 0.18 | pCi/L | | | | E903.0 | 07/04/12 06:28 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 07/19/12 15:30 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 07/19/12 15:30 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 07/19/12 15:30 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 07/29/12 11:24 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 07/29/12 11:24 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 07/29/12 11:24 / eli-cs |
| Polonium 210 | <0.2 | pCi/L | U | 0.2 | | E912.0 | 07/19/12 08:45 / dmf |
| Polonium 210 precision (±) | 0.09 | pCi/L | | | | E912.0 | 07/19/12 08:45 / dmf |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 07/19/12 08:45 / dmf |
| Radium 226 | <0.13 | pCi/L | U | 0.13 | | E903.0 | 07/16/12 17:31 / trs |
| Radium 226 precision (±) | 0.05 | pCi/L | | | | E903.0 | 07/16/12 17:31 / trs |
| Radium 226 MDC | 0.13 | pCi/L | | | | E903.0 | 07/16/12 17:31 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 07/18/12 08:31 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 07/18/12 08:31 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 07/18/12 08:31 / dmf |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples June 2012
Lab ID: C12060907-011
Client Sample ID: Well #802

Report Date: 07/31/12
Collection Date: 06/18/12
Date Received: 06/21/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0045 | mg/L | | 0.0003 | | E200.8 | 06/29/12 17:28 / cp |
| Uranium, Activity | 3.0E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 06/29/12 17:28 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 07/02/12 19:05 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 07/02/12 19:05 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 07/09/12 18:38 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 07/09/12 18:38 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 07/09/12 18:38 / eli-cs |
| Polonium 210 | <0.5 | pCi/L | U | 0.5 | | E912.0 | 07/05/12 13:14 / plj |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 07/05/12 13:14 / plj |
| Polonium 210 MDC | 0.5 | pCi/L | | | | E912.0 | 07/05/12 13:14 / plj |
| Radium 226 | <0.17 | pCi/L | U | 0.17 | | E903.0 | 07/03/12 16:52 / gb |
| Radium 226 precision (±) | 0.08 | pCi/L | | | | E903.0 | 07/03/12 16:52 / gb |
| Radium 226 MDC | 0.17 | pCi/L | | | | E903.0 | 07/03/12 16:52 / gb |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 07/19/12 15:29 / dmf |
| Thorium 230 precision (±) | 0.05 | pCi/L | | | | E908.0 | 07/19/12 15:29 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 07/19/12 15:29 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.9 | pCi/L | U | 0.9 | | E909.0 | 07/09/12 07:25 / eli-cs |
| Lead 210 precision (±) | 0.6 | pCi/L | | | | E909.0 | 07/09/12 07:25 / eli-cs |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 07/09/12 07:25 / eli-cs |
| Polonium 210 | 0.8 | pCi/L | | 0.4 | | E912.0 | 07/13/12 13:47 / dmf |
| Polonium 210 precision (±) | 0.5 | pCi/L | | | | E912.0 | 07/13/12 13:47 / dmf |
| Polonium 210 MDC | 0.4 | pCi/L | | | | E912.0 | 07/13/12 13:47 / dmf |
| Radium 226 | <0.19 | pCi/L | U | 0.19 | | E903.0 | 07/16/12 15:48 / trs |
| Radium 226 precision (±) | 0.10 | pCi/L | | | | E903.0 | 07/16/12 15:48 / trs |
| Radium 226 MDC | 0.19 | pCi/L | | | | E903.0 | 07/16/12 15:48 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 06/29/12 08:55 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 06/29/12 08:55 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 06/29/12 08:55 / dmf |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples June 2012
Lab ID: C12061082-014
Client Sample ID: Well #809

Report Date: 08/14/12
Collection Date: 06/21/12
Date Received: 06/26/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0067 | mg/L | | 0.0003 | | E200.8 | 07/09/12 19:50 / cp |
| Uranium, Activity | 4.6E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 07/09/12 19:50 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 07/09/12 21:22 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 07/09/12 21:22 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.9 | pCi/L | U | 0.9 | | E909.0 | 07/16/12 20:48 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 07/16/12 20:48 / eli-cs |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 07/16/12 20:48 / eli-cs |
| Polonium 210 | <0.9 | pCi/L | U | 0.9 | | E912.0 | 07/17/12 12:18 / plj |
| Polonium 210 precision (±) | 0.6 | pCi/L | | | | E912.0 | 07/17/12 12:18 / plj |
| Polonium 210 MDC | 0.9 | pCi/L | | | | E912.0 | 07/17/12 12:18 / plj |
| Radium 226 | 0.57 | pCi/L | | 0.17 | | E903.0 | 07/18/12 00:01 / gb |
| Radium 226 precision (±) | 0.18 | pCi/L | | | | E903.0 | 07/18/12 00:01 / gb |
| Radium 226 MDC | 0.17 | pCi/L | | | | E903.0 | 07/18/12 00:01 / gb |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 07/11/12 09:12 / dmf |
| Thorium 230 precision (±) | 0.05 | pCi/L | | | | E908.0 | 07/11/12 09:12 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 07/11/12 09:12 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 08/01/12 08:48 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 08/01/12 08:48 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 08/01/12 08:48 / eli-cs |
| Polonium 210 | <0.5 | pCi/L | U | 0.5 | | E912.0 | 07/23/12 14:46 / plj |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 07/23/12 14:46 / plj |
| Polonium 210 MDC | 0.5 | pCi/L | | | | E912.0 | 07/23/12 14:46 / plj |
| Radium 226 | <0.13 | pCi/L | U | 0.13 | | E903.0 | 07/17/12 15:18 / trs |
| Radium 226 precision (±) | 0.08 | pCi/L | | | | E903.0 | 07/17/12 15:18 / trs |
| Radium 226 MDC | 0.13 | pCi/L | | | | E903.0 | 07/17/12 15:18 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 07/18/12 12:49 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 07/18/12 12:49 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 07/18/12 12:49 / dmf |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples June 2012
Lab ID: C12061082-015
Client Sample ID: Well #810

Report Date: 08/14/12
Collection Date: 06/21/12
Date Received: 06/26/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0064 | mg/L | | 0.0003 | | E200.8 | 07/09/12 19:52 / cp |
| Uranium, Activity | 4.4E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 07/09/12 19:52 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 07/09/12 21:24 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 07/09/12 21:24 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.9 | pCi/L | U | 0.9 | | E909.0 | 07/16/12 22:30 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 07/16/12 22:30 / eli-cs |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 07/16/12 22:30 / eli-cs |
| Polonium 210 | <0.9 | pCi/L | U | 0.9 | | E912.0 | 07/23/12 08:12 / plj |
| Polonium 210 precision (±) | 0.6 | pCi/L | | | | E912.0 | 07/23/12 08:12 / plj |
| Polonium 210 MDC | 0.9 | pCi/L | | | | E912.0 | 07/23/12 08:12 / plj |
| Radium 226 | 1.1 | pCi/L | | 0.17 | | E903.0 | 07/18/12 00:01 / gb |
| Radium 226 precision (±) | 0.23 | pCi/L | | | | E903.0 | 07/18/12 00:01 / gb |
| Radium 226 MDC | 0.17 | pCi/L | | | | E903.0 | 07/18/12 00:01 / gb |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 07/11/12 09:12 / dmf |
| Thorium 230 precision (±) | 0.05 | pCi/L | | | | E908.0 | 07/11/12 09:12 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 07/11/12 09:12 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.6 | pCi/L | U | 0.6 | | E909.0 | 08/01/12 09:35 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 08/01/12 09:35 / eli-cs |
| Lead 210 MDC | 0.6 | pCi/L | | | | E909.0 | 08/01/12 09:35 / eli-cs |
| Polonium 210 | <0.3 | pCi/L | U | 0.3 | | E912.0 | 07/23/12 14:46 / plj |
| Polonium 210 precision (±) | 0.1 | pCi/L | | | | E912.0 | 07/23/12 14:46 / plj |
| Polonium 210 MDC | 0.3 | pCi/L | | | | E912.0 | 07/23/12 14:46 / plj |
| Radium 226 | <0.15 | pCi/L | U | 0.15 | | E903.0 | 07/17/12 15:18 / trs |
| Radium 226 precision (±) | 0.09 | pCi/L | | | | E903.0 | 07/17/12 15:18 / trs |
| Radium 226 MDC | 0.15 | pCi/L | | | | E903.0 | 07/17/12 15:18 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 07/18/12 12:49 / dmf |
| Thorium 230 precision (±) | 0.05 | pCi/L | | | | E908.0 | 07/18/12 12:49 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 07/18/12 12:49 / dmf |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples June 2012
Lab ID: C12061082-016
Client Sample ID: Well #811

Report Date: 08/14/12
Collection Date: 06/21/12
Date Received: 06/26/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0077 | mg/L | | 0.0003 | | E200.8 | 07/09/12 19:53 / cp |
| Uranium, Activity | 5.2E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 07/09/12 19:53 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 07/09/12 21:25 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 07/09/12 21:25 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.9 | pCi/L | U | 0.9 | | E909.0 | 07/17/12 00:12 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 07/17/12 00:12 / eli-cs |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 07/17/12 00:12 / eli-cs |
| Polonium 210 | <1 | pCi/L | U | 1 | | E912.0 | 07/23/12 08:12 / plj |
| Polonium 210 precision (±) | 0.5 | pCi/L | | | | E912.0 | 07/23/12 08:12 / plj |
| Polonium 210 MDC | 1 | pCi/L | | | | E912.0 | 07/23/12 08:12 / plj |
| Radium 226 | 0.95 | pCi/L | | 0.17 | | E903.0 | 07/18/12 00:01 / gb |
| Radium 226 precision (±) | 0.22 | pCi/L | | | | E903.0 | 07/18/12 00:01 / gb |
| Radium 226 MDC | 0.17 | pCi/L | | | | E903.0 | 07/18/12 00:01 / gb |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 07/11/12 09:12 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 07/11/12 09:12 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 07/11/12 09:12 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <1 | pCi/L | U | 1 | | E909.0 | 08/01/12 10:23 / eli-cs |
| Lead 210 precision (±) | 0.6 | pCi/L | | | | E909.0 | 08/01/12 10:23 / eli-cs |
| Lead 210 MDC | 1 | pCi/L | | | | E909.0 | 08/01/12 10:23 / eli-cs |
| Polonium 210 | <0.5 | pCi/L | U | 0.5 | | E912.0 | 07/23/12 14:46 / plj |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 07/23/12 14:46 / plj |
| Polonium 210 MDC | 0.5 | pCi/L | | | | E912.0 | 07/23/12 14:46 / plj |
| Radium 226 | <0.20 | pCi/L | U | 0.20 | | E903.0 | 07/17/12 15:18 / trs |
| Radium 226 precision (±) | 0.08 | pCi/L | | | | E903.0 | 07/17/12 15:18 / trs |
| Radium 226 MDC | 0.20 | pCi/L | | | | E903.0 | 07/17/12 15:18 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 07/18/12 12:49 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 07/18/12 12:49 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 07/18/12 12:49 / dmf |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples June 2012
Lab ID: C12061082-007
Client Sample ID: Well #815

Report Date: 08/14/12
Collection Date: 06/21/12
Date Received: 06/26/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0058 | mg/L | | 0.0003 | | E200.8 | 07/09/12 19:26 / cp |
| Uranium, Activity | 3.9E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 07/09/12 19:26 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 07/09/12 20:59 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 07/09/12 20:59 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.9 | pCi/L | U | 0.9 | | E909.0 | 07/16/12 08:54 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 07/16/12 08:54 / eli-cs |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 07/16/12 08:54 / eli-cs |
| Polonium 210 | <1 | pCi/L | U | 1 | | E912.0 | 07/17/12 12:18 / plj |
| Polonium 210 precision (±) | 0.7 | pCi/L | | | | E912.0 | 07/17/12 12:18 / plj |
| Polonium 210 MDC | 1 | pCi/L | | | | E912.0 | 07/17/12 12:18 / plj |
| Radium 226 | <0.17 | pCi/L | U | 0.17 | | E903.0 | 07/17/12 22:23 / gb |
| Radium 226 precision (±) | 0.09 | pCi/L | | | | E903.0 | 07/17/12 22:23 / gb |
| Radium 226 MDC | 0.17 | pCi/L | | | | E903.0 | 07/17/12 22:23 / gb |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 07/11/12 09:12 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 07/11/12 09:12 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 07/11/12 09:12 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 08/01/12 03:15 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 08/01/12 03:15 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 08/01/12 03:15 / eli-cs |
| Polonium 210 | <0.4 | pCi/L | U | 0.4 | | E912.0 | 07/23/12 12:46 / plj |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 07/23/12 12:46 / plj |
| Polonium 210 MDC | 0.4 | pCi/L | | | | E912.0 | 07/23/12 12:46 / plj |
| Radium 226 | <0.14 | pCi/L | U | 0.14 | | E903.0 | 07/17/12 13:37 / trs |
| Radium 226 precision (±) | 0.08 | pCi/L | | | | E903.0 | 07/17/12 13:37 / trs |
| Radium 226 MDC | 0.14 | pCi/L | | | | E903.0 | 07/17/12 13:37 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 07/18/12 08:33 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 07/18/12 08:33 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 07/18/12 08:33 / dmf |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples June 2012
Lab ID: C12061082-008
Client Sample ID: Well #821

Report Date: 08/14/12
Collection Date: 06/21/12
Date Received: 06/26/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0057 | mg/L | | 0.0003 | | E200.8 | 07/09/12 19:33 / cp |
| Uranium, Activity | 3.9E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 07/09/12 19:33 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 07/09/12 21:01 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 07/09/12 21:01 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.9 | pCi/L | U | 0.9 | | E909.0 | 07/16/12 10:36 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 07/16/12 10:36 / eli-cs |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 07/16/12 10:36 / eli-cs |
| Polonium 210 | <1 | pCi/L | U | 1 | | E912.0 | 07/17/12 12:18 / plj |
| Polonium 210 precision (±) | 0.9 | pCi/L | | | | E912.0 | 07/17/12 12:18 / plj |
| Polonium 210 MDC | 1 | pCi/L | | | | E912.0 | 07/17/12 12:18 / plj |
| Radium 226 | <0.17 | pCi/L | U | 0.17 | | E903.0 | 07/17/12 22:23 / gb |
| Radium 226 precision (±) | 0.08 | pCi/L | | | | E903.0 | 07/17/12 22:23 / gb |
| Radium 226 MDC | 0.17 | pCi/L | | | | E903.0 | 07/17/12 22:23 / gb |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 07/11/12 09:12 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 07/11/12 09:12 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 07/11/12 09:12 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 08/01/12 04:02 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 08/01/12 04:02 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 08/01/12 04:02 / eli-cs |
| Polonium 210 | <0.4 | pCi/L | U | 0.4 | | E912.0 | 07/23/12 12:46 / plj |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 07/23/12 12:46 / plj |
| Polonium 210 MDC | 0.4 | pCi/L | | | | E912.0 | 07/23/12 12:46 / plj |
| Radium 226 | <0.13 | pCi/L | U | 0.13 | | E903.0 | 07/17/12 13:37 / trs |
| Radium 226 precision (±) | 0.05 | pCi/L | | | | E903.0 | 07/17/12 13:37 / trs |
| Radium 226 MDC | 0.13 | pCi/L | | | | E903.0 | 07/17/12 13:37 / trs |
| Thorium 230 | <0.09 | pCi/L | U | 0.09 | | E908.0 | 07/18/12 08:33 / dmf |
| Thorium 230 precision (±) | 0.03 | pCi/L | | | | E908.0 | 07/18/12 08:33 / dmf |
| Thorium 230 MDC | 0.09 | pCi/L | | | | E908.0 | 07/18/12 08:33 / dmf |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples June 2012
Lab ID: C12060907-022
Client Sample ID: Well #836

Report Date: 07/31/12
Collection Date: 06/19/12
Date Received: 06/21/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0048 | mg/L | | 0.0003 | | E200.8 | 06/29/12 17:58 / cp |
| Uranium, Activity | 3.2E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 06/29/12 17:58 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 07/09/12 18:21 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 07/09/12 18:21 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.9 | pCi/L | U | 0.9 | | E909.0 | 07/12/12 11:24 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 07/12/12 11:24 / eli-cs |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 07/12/12 11:24 / eli-cs |
| Polonium 210 | <0.6 | pCi/L | U | 0.6 | | E912.0 | 07/05/12 14:51 / plj |
| Polonium 210 precision (±) | 0.5 | pCi/L | | | | E912.0 | 07/05/12 14:51 / plj |
| Polonium 210 MDC | 0.6 | pCi/L | | | | E912.0 | 07/05/12 14:51 / plj |
| Radium 226 | <0.19 | pCi/L | U | 0.19 | | E903.0 | 07/04/12 06:28 / trs |
| Radium 226 precision (±) | 0.11 | pCi/L | | | | E903.0 | 07/04/12 06:28 / trs |
| Radium 226 MDC | 0.19 | pCi/L | | | | E903.0 | 07/04/12 06:28 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 07/19/12 15:30 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 07/19/12 15:30 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 07/19/12 15:30 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 07/29/12 10:36 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 07/29/12 10:36 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 07/29/12 10:36 / eli-cs |
| Polonium 210 | <0.3 | pCi/L | U | 0.3 | | E912.0 | 07/19/12 08:45 / dmf |
| Polonium 210 precision (±) | 0.1 | pCi/L | | | | E912.0 | 07/19/12 08:45 / dmf |
| Polonium 210 MDC | 0.3 | pCi/L | | | | E912.0 | 07/19/12 08:45 / dmf |
| Radium 226 | <0.13 | pCi/L | U | 0.13 | | E903.0 | 07/16/12 17:31 / trs |
| Radium 226 precision (±) | 0.07 | pCi/L | | | | E903.0 | 07/16/12 17:31 / trs |
| Radium 226 MDC | 0.13 | pCi/L | | | | E903.0 | 07/16/12 17:31 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 07/18/12 08:31 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 07/18/12 08:31 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 07/18/12 08:31 / dmf |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples June 2012
Lab ID: C12060907-021
Client Sample ID: Well #841

Report Date: 07/31/12
Collection Date: 06/19/12
Date Received: 06/21/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0038 | mg/L | | 0.0003 | | E200.8 | 06/29/12 17:56 / cp |
| Uranium, Activity | 2.6E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 06/29/12 17:56 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 07/09/12 18:19 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 07/09/12 18:19 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.9 | pCi/L | U | 0.9 | | E909.0 | 07/12/12 08:02 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 07/12/12 08:02 / eli-cs |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 07/12/12 08:02 / eli-cs |
| Polonium 210 | 2.8 | pCi/L | | 0.6 | | E912.0 | 07/05/12 14:51 / plj |
| Polonium 210 precision (±) | 1.2 | pCi/L | | | | E912.0 | 07/05/12 14:51 / plj |
| Polonium 210 MDC | 0.6 | pCi/L | | | | E912.0 | 07/05/12 14:51 / plj |
| Radium 226 | <0.17 | pCi/L | U | 0.17 | | E903.0 | 07/03/12 21:30 / gb |
| Radium 226 precision (±) | 0.12 | pCi/L | | | | E903.0 | 07/03/12 21:30 / gb |
| Radium 226 MDC | 0.17 | pCi/L | | | | E903.0 | 07/03/12 21:30 / gb |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 07/19/12 15:30 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 07/19/12 15:30 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 07/19/12 15:30 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 07/29/12 09:49 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 07/29/12 09:49 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 07/29/12 09:49 / eli-cs |
| Polonium 210 | <0.2 | pCi/L | U | 0.2 | | E912.0 | 07/19/12 08:45 / dmf |
| Polonium 210 precision (±) | 0.1 | pCi/L | | | | E912.0 | 07/19/12 08:45 / dmf |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 07/19/12 08:45 / dmf |
| Radium 226 | <0.13 | pCi/L | U | 0.13 | | E903.0 | 07/16/12 17:31 / trs |
| Radium 226 precision (±) | 0.05 | pCi/L | | | | E903.0 | 07/16/12 17:31 / trs |
| Radium 226 MDC | 0.13 | pCi/L | | | | E903.0 | 07/16/12 17:31 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 07/18/12 08:31 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 07/18/12 08:31 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 07/18/12 08:31 / dmf |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Private Well Samples June 2012
Lab ID: C12060907-029
Client Sample ID: Well #845

Report Date: 07/31/12
Collection Date: 06/20/12
Date Received: 06/21/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|----------------------------------|---------|--------|-----------|---------|-------------|--------|-------------------------|
| METALS - DISSOLVED | | | | | | | |
| Uranium | 0.0039 | mg/L | | 0.0003 | | E200.8 | 06/29/12 18:17 / cp |
| Uranium, Activity | 2.6E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 06/29/12 18:17 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 07/09/12 18:44 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 07/09/12 18:44 / cp |
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <1 | pCi/L | U | 1 | | E909.0 | 07/13/12 10:52 / eli-cs |
| Lead 210 precision (±) | 0.6 | pCi/L | | | | E909.0 | 07/13/12 10:52 / eli-cs |
| Lead 210 MDC | 1 | pCi/L | | | | E909.0 | 07/13/12 10:52 / eli-cs |
| Polonium 210 | <0.7 | pCi/L | U | 0.7 | | E912.0 | 07/05/12 14:52 / dmf |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 07/05/12 14:52 / dmf |
| Polonium 210 MDC | 0.7 | pCi/L | | | | E912.0 | 07/05/12 14:52 / dmf |
| Radium 226 | <0.17 | pCi/L | U | 0.17 | | E903.0 | 07/04/12 08:28 / trs |
| Radium 226 precision (±) | 0.12 | pCi/L | | | | E903.0 | 07/04/12 08:28 / trs |
| Radium 226 MDC | 0.17 | pCi/L | | | | E903.0 | 07/04/12 08:28 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 07/20/12 08:28 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 07/20/12 08:28 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 07/20/12 08:28 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 07/29/12 16:09 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 07/29/12 16:09 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 07/29/12 16:09 / eli-cs |
| Polonium 210 | <0.3 | pCi/L | U | 0.3 | | E912.0 | 07/19/12 10:54 / dmf |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 07/19/12 10:54 / dmf |
| Polonium 210 MDC | 0.3 | pCi/L | | | | E912.0 | 07/19/12 10:54 / dmf |
| Radium 226 | <0.13 | pCi/L | U | 0.13 | | E903.0 | 07/16/12 22:06 / trs |
| Radium 226 precision (±) | 0.06 | pCi/L | | | | E903.0 | 07/16/12 22:06 / trs |
| Radium 226 MDC | 0.13 | pCi/L | | | | E903.0 | 07/16/12 22:06 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 07/18/12 08:31 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 07/18/12 08:31 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 07/18/12 08:31 / dmf |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Deep Wells G-8 Samples
Lab ID: C11110439-011
Client Sample ID: CPW 2010-1

Revised Date: 02/03/12
Report Date: 01/11/12
Collection Date: 11/07/11
Date Received: 11/10/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|------------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 288 | mg/L | | 1 | | A2320 B | 11/11/11 01:59 / jba |
| Carbonate as CO ₃ | 78 | mg/L | | 1 | | A2320 B | 11/11/11 01:59 / jba |
| Bicarbonate as HCO ₃ | 193 | mg/L | | 1 | | A2320 B | 11/11/11 01:59 / jba |
| Calcium | 10 | mg/L | | 1 | | E200.7 | 11/16/11 15:39 / eli-b |
| Chloride | 605 | mg/L | D | 4 | | E300.0 | 11/19/11 00:48 / ljl |
| Fluoride | 0.9 | mg/L | | 0.1 | | A4500-F C | 11/11/11 13:01 / jba |
| Magnesium | ND | mg/L | | 1 | | E200.7 | 11/16/11 15:39 / eli-b |
| Nitrogen, Ammonia as N | 0.70 | mg/L | | 0.05 | | A4500-NH ₃ G | 11/17/11 11:55 / dc |
| Nitrogen, Nitrate+Nitrite as N | ND | mg/L | | 0.1 | | E353.2 | 11/11/11 16:46 / dc |
| Potassium | 35 | mg/L | | 1 | | E200.7 | 11/16/11 15:39 / eli-b |
| Silica | 20.7 | mg/L | | 0.2 | | E200.7 | 11/16/11 15:39 / eli-b |
| Sodium | 514 | mg/L | D | 2 | | E200.7 | 11/16/11 15:39 / eli-b |
| Sulfate | 80 | mg/L | D | 8 | | E300.0 | 11/18/11 00:06 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 2740 | umhos/cm | | 1 | | A2510 B | 11/14/11 11:58 / wc |
| pH | 9.62 | s.u. | | 0.01 | | A4500-H B | 11/14/11 11:58 / wc |
| Solids, Total Dissolved TDS @ 180 C | 1400 | mg/L | | 10 | | A2540 C | 11/14/11 11:03 / wc |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | 0.3 | mg/L | | 0.1 | | E200.7 | 11/16/11 15:39 / eli-b |
| Arsenic | 0.001 | mg/L | | 0.001 | | E200.8 | 11/16/11 17:00 / eli-b |
| Barium | 0.1 | mg/L | | 0.1 | | E200.7 | 11/16/11 15:39 / eli-b |
| Boron | 1.2 | mg/L | | 0.1 | | E200.7 | 11/16/11 15:39 / eli-b |
| Cadmium | ND | mg/L | | 0.005 | | E200.7 | 11/16/11 15:39 / eli-b |
| Chromium | ND | mg/L | | 0.05 | | E200.7 | 11/16/11 15:39 / eli-b |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 11/16/11 17:00 / eli-b |
| Iron | 0.04 | mg/L | | 0.03 | | E200.7 | 11/16/11 15:39 / eli-b |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 11/16/11 17:00 / eli-b |
| Manganese | ND | mg/L | | 0.01 | | E200.7 | 11/16/11 15:39 / eli-b |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 11/21/11 16:54 / eli-b |
| Molybdenum | ND | mg/L | | 0.1 | | E200.7 | 11/16/11 15:39 / eli-b |
| Nickel | ND | mg/L | | 0.05 | | E200.7 | 11/16/11 15:39 / eli-b |
| Selenium | 0.006 | mg/L | | 0.001 | | E200.8 | 11/16/11 17:00 / eli-b |
| Uranium | 0.0142 | mg/L | | 0.0003 | | E200.8 | 11/16/11 17:00 / eli-b |
| Uranium, Activity | 9.6E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 11/16/11 17:00 / eli-b |
| Vanadium | 0.1 | mg/L | | 0.1 | | E200.7 | 11/16/11 15:39 / eli-b |
| Zinc | ND | mg/L | | 0.01 | | E200.8 | 11/16/11 17:00 / eli-b |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 11/21/11 15:31 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 11/21/11 15:31 / sml |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Deep Wells G-8 Samples
Lab ID: C11110439-011
Client Sample ID: CPW 2010-1

Revised Date: 02/03/12
Report Date: 01/11/12
Collection Date: 11/07/11
Date Received: 11/10/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|-----|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | 15.3 | pCi/L | | 1.3 | | E909.0 | 12/05/11 22:24 / eli-cs |
| Lead 210 precision (±) | 0.9 | pCi/L | | | | E909.0 | 12/05/11 22:24 / eli-cs |
| Lead 210 MDC | 1.3 | pCi/L | | | | E909.0 | 12/05/11 22:24 / eli-cs |
| Polonium 210 | 6.6 | pCi/L | | 0.6 | | E912.0 | 01/04/12 11:08 / plj |
| Polonium 210 precision (±) | 2.2 | pCi/L | | | | E912.0 | 01/04/12 11:08 / plj |
| Polonium 210 MDC | 0.6 | pCi/L | | | | E912.0 | 01/04/12 11:08 / plj |
| Radium 226 | 23 | pCi/L | | 0.1 | | E903.0 | 11/22/11 03:07 / js |
| Radium 226 precision (±) | 0.8 | pCi/L | | | | E903.0 | 11/22/11 03:07 / js |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 11/22/11 03:07 / js |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 12/07/11 09:03 / dmf |
| Thorium 230 precision (±) | 0.09 | pCi/L | | | | E908.0 | 12/07/11 09:03 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 12/07/11 09:03 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | 1.5 | pCi/L | | 0.9 | | E909.0 | 12/04/11 02:15 / eli-cs |
| Lead 210 precision (±) | 0.6 | pCi/L | | | | E909.0 | 12/04/11 02:15 / eli-cs |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 12/04/11 02:15 / eli-cs |
| Polonium 210 | 0.8 | pCi/L | | 0.2 | | E912.0 | 12/14/11 15:03 / ep |
| Polonium 210 precision (±) | 0.4 | pCi/L | | | | E912.0 | 12/14/11 15:03 / ep |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 12/14/11 15:03 / ep |
| Radium 226 | 1.6 | pCi/L | | 0.1 | | E903.0 | 11/24/11 01:21 / js |
| Radium 226 precision (±) | 0.2 | pCi/L | | | | E903.0 | 11/24/11 01:21 / js |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 11/24/11 01:21 / js |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 12/07/11 14:29 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 12/07/11 14:29 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 12/07/11 14:29 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | -1.57 | % | | | | Calculation | 01/11/12 07:47 / kbh |
| Anions | 24.6 | meq/L | | | | Calculation | 01/11/12 07:47 / kbh |
| Cations | 23.8 | meq/L | | | | Calculation | 01/11/12 07:47 / kbh |
| Solids, Total Dissolved Calculated | 1450 | mg/L | | | | Calculation | 01/11/12 07:47 / kbh |
| TDS Balance (0.80 - 1.20) | 0.970 | | | | | Calculation | 01/11/12 07:47 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Deep Wells G-8 Samples
Lab ID: C11110439-001
Client Sample ID: Monitor 1

Revised Date: 02/03/12
Report Date: 01/11/12
Collection Date: 11/08/11
Date Received: 11/10/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|------------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 370 | mg/L | | 1 | | A2320 B | 11/10/11 23:50 / jba |
| Carbonate as CO ₃ | 8 | mg/L | | 1 | | A2320 B | 11/10/11 23:50 / jba |
| Bicarbonate as HCO ₃ | 436 | mg/L | | 1 | | A2320 B | 11/10/11 23:50 / jba |
| Calcium | 4 | mg/L | | 1 | | E200.7 | 11/16/11 14:45 / eli-b |
| Chloride | 171 | mg/L | H | 1 | | A4500-Cl B | 01/19/12 15:35 / lr |
| Fluoride | 0.6 | mg/L | | 0.1 | | A4500-F C | 11/11/11 12:01 / jba |
| Magnesium | 1 | mg/L | | 1 | | E200.7 | 11/16/11 14:45 / eli-b |
| Nitrogen, Ammonia as N | 0.26 | mg/L | | 0.05 | | A4500-NH ₃ G | 11/17/11 11:27 / dc |
| Nitrogen, Nitrate+Nitrite as N | ND | mg/L | | 0.1 | | E353.2 | 11/11/11 16:03 / dc |
| Potassium | 8 | mg/L | | 1 | | E200.7 | 11/16/11 14:45 / eli-b |
| Silica | 13.3 | mg/L | | 0.2 | | E200.7 | 11/16/11 14:45 / eli-b |
| Sodium | 306 | mg/L | | 1 | | E200.7 | 11/16/11 14:45 / eli-b |
| Sulfate | 59 | mg/L | D | 2 | | E300.0 | 11/17/11 20:58 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 1440 | umhos/cm | | 1 | | A2510 B | 11/18/11 12:47 / wc |
| pH | 8.29 | s.u. | H | 0.01 | | A4500-H B | 11/18/11 12:47 / wc |
| Solids, Total Dissolved TDS @ 180 C | 797 | mg/L | | 10 | | A2540 C | 11/14/11 11:00 / wc |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.7 | 11/16/11 14:45 / eli-b |
| Arsenic | 0.003 | mg/L | | 0.001 | | E200.8 | 11/16/11 15:41 / eli-b |
| Barium | ND | mg/L | | 0.1 | | E200.7 | 11/16/11 14:45 / eli-b |
| Boron | 1.3 | mg/L | | 0.1 | | E200.7 | 11/16/11 14:45 / eli-b |
| Cadmium | ND | mg/L | | 0.005 | | E200.7 | 11/16/11 14:45 / eli-b |
| Chromium | ND | mg/L | | 0.05 | | E200.7 | 11/16/11 14:45 / eli-b |
| Copper | ND | mg/L | | 0.01 | | E200.7 | 11/16/11 14:45 / eli-b |
| Iron | 0.03 | mg/L | | 0.03 | | E200.7 | 11/16/11 14:45 / eli-b |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 11/16/11 15:41 / eli-b |
| Manganese | ND | mg/L | | 0.01 | | E200.7 | 11/16/11 14:45 / eli-b |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 11/18/11 16:45 / eli-b |
| Molybdenum | ND | mg/L | | 0.1 | | E200.7 | 11/16/11 14:45 / eli-b |
| Nickel | ND | mg/L | | 0.05 | | E200.7 | 11/16/11 14:45 / eli-b |
| Selenium | 0.003 | mg/L | | 0.001 | | E200.8 | 11/16/11 15:41 / eli-b |
| Uranium | 0.0060 | mg/L | | 0.0003 | | E200.8 | 11/16/11 15:41 / eli-b |
| Uranium, Activity | 4.0E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 11/16/11 15:41 / eli-b |
| Vanadium | ND | mg/L | | 0.1 | | E200.7 | 11/16/11 14:45 / eli-b |
| Zinc | 0.02 | mg/L | | 0.01 | | E200.7 | 11/16/11 14:45 / eli-b |
| METALS - SUSPENDED | | | | | | | |
| Uranium | 0.0403 | mg/L | | 0.0003 | | E200.8 | 11/21/11 14:45 / sml |
| Uranium, Activity | 2.7E-08 | uCi/mL | | 2.0E-10 | | E200.8 | 11/21/11 14:45 / sml |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
H - Analysis performed past recommended holding time.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Deep Wells G-8 Samples
Lab ID: C11110439-001
Client Sample ID: Monitor 1

Revised Date: 02/03/12
Report Date: 01/11/12
Collection Date: 11/08/11
Date Received: 11/10/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|-----|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | 135 | pCi/L | | 0.8 | | E909.0 | 01/26/12 00:22 / eli-cs |
| Lead 210 precision (±) | 1.1 | pCi/L | | | | E909.0 | 01/26/12 00:22 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 01/26/12 00:22 / eli-cs |
| Polonium 210 | 17 | pCi/L | | 0.9 | | E912.0 | 01/04/12 08:54 / plj |
| Polonium 210 precision (±) | 5.7 | pCi/L | | | | E912.0 | 01/04/12 08:54 / plj |
| Polonium 210 MDC | 0.9 | pCi/L | | | | E912.0 | 01/04/12 08:54 / plj |
| Radium 226 | 15 | pCi/L | | 0.1 | | E903.0 | 11/22/11 01:26 / js |
| Radium 226 precision (±) | 0.7 | pCi/L | | | | E903.0 | 11/22/11 01:26 / js |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 11/22/11 01:26 / js |
| Thorium 230 | 0.6 | pCi/L | | 0.2 | | E908.0 | 12/07/11 09:03 / dmf |
| Thorium 230 precision (±) | 0.2 | pCi/L | | | | E908.0 | 12/07/11 09:03 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 12/07/11 09:03 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | 65 | pCi/L | | 1.1 | | E909.0 | 12/03/11 01:15 / eli-cs |
| Lead 210 precision (±) | 1.4 | pCi/L | | | | E909.0 | 12/03/11 01:15 / eli-cs |
| Lead 210 MDC | 1.1 | pCi/L | | | | E909.0 | 12/03/11 01:15 / eli-cs |
| Polonium 210 | 23 | pCi/L | | 0.2 | | E912.0 | 12/14/11 10:54 / ep |
| Polonium 210 precision (±) | 5.2 | pCi/L | | | | E912.0 | 12/14/11 10:54 / ep |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 12/14/11 10:54 / ep |
| Radium 226 | 18 | pCi/L | | 0.1 | | E903.0 | 11/23/11 23:46 / js |
| Radium 226 precision (±) | 0.6 | pCi/L | | | | E903.0 | 11/23/11 23:46 / js |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 11/23/11 23:46 / js |
| Thorium 230 | 10 | pCi/L | | 0.1 | | E908.0 | 12/07/11 09:54 / dmf |
| Thorium 230 precision (±) | 1.2 | pCi/L | | | | E908.0 | 12/07/11 09:54 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 12/07/11 09:54 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 0.764 | % | | | | Calculation | 02/03/12 12:31 / sdw |
| Anions | 13.6 | meq/L | | | | Calculation | 02/03/12 12:31 / sdw |
| Cations | 13.8 | meq/L | | | | Calculation | 02/03/12 12:31 / sdw |
| Solids, Total Dissolved Calculated | 788 | mg/L | | | | Calculation | 02/03/12 12:31 / sdw |
| TDS Balance (0.80 - 1.20) | 1.01 | | | | | Calculation | 02/03/12 12:31 / sdw |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Deep Wells G-8 Samples
Lab ID: C11110439-009
Client Sample ID: Monitor 10

Revised Date: 02/03/12
Report Date: 01/11/12
Collection Date: 11/07/11
Date Received: 11/10/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------|------------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 274 | mg/L | | 1 | | A2320 B | 11/11/11 01:41 / jba |
| Carbonate as CO ₃ | 16 | mg/L | | 1 | | A2320 B | 11/11/11 01:41 / jba |
| Bicarbonate as HCO ₃ | 301 | mg/L | | 1 | | A2320 B | 11/11/11 01:41 / jba |
| Calcium | 6 | mg/L | | 1 | | E200.7 | 11/16/11 15:31 / eli-b |
| Chloride | 151 | mg/L | | 1 | | E300.0 | 11/18/11 23:54 / ljl |
| Fluoride | 0.8 | mg/L | | 0.1 | | A4500-F C | 11/11/11 12:54 / jba |
| Magnesium | 1 | mg/L | | 1 | | E200.7 | 11/16/11 15:31 / eli-b |
| Nitrogen, Ammonia as N | 0.37 | mg/L | | 0.05 | | A4500-NH3 G | 11/17/11 11:47 / dc |
| Nitrogen, Nitrate+Nitrite as N | ND | mg/L | | 0.1 | | E353.2 | 11/11/11 16:41 / dc |
| Potassium | 11 | mg/L | | 1 | | E200.7 | 11/16/11 15:31 / eli-b |
| Silica | 17.2 | mg/L | | 0.2 | | E200.7 | 11/16/11 15:31 / eli-b |
| Sodium | 386 | mg/L | | 1 | | E200.7 | 11/16/11 15:31 / eli-b |
| Sulfate | 347 | mg/L | D | 2 | | E300.0 | 11/17/11 23:12 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 1810 | umhos/cm | | 1 | | A2510 B | 11/18/11 13:12 / wc |
| pH | 8.66 | s.u. | H | 0.01 | | A4500-H B | 11/18/11 13:12 / wc |
| Solids, Total Dissolved TDS @ 180 C | 1080 | mg/L | | 10 | | A2540 C | 11/14/11 11:02 / wc |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.7 | 11/16/11 15:31 / eli-b |
| Arsenic | 0.002 | mg/L | | 0.001 | | E200.8 | 11/16/11 16:52 / eli-b |
| Barium | ND | mg/L | | 0.1 | | E200.7 | 11/16/11 15:31 / eli-b |
| Boron | 1.3 | mg/L | | 0.1 | | E200.7 | 11/16/11 15:31 / eli-b |
| Cadmium | ND | mg/L | | 0.005 | | E200.7 | 11/16/11 15:31 / eli-b |
| Chromium | ND | mg/L | | 0.05 | | E200.7 | 11/16/11 15:31 / eli-b |
| Copper | ND | mg/L | | 0.01 | | E200.7 | 11/16/11 15:31 / eli-b |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 11/16/11 15:31 / eli-b |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 11/16/11 16:52 / eli-b |
| Manganese | ND | mg/L | | 0.01 | | E200.7 | 11/16/11 15:31 / eli-b |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 11/21/11 16:48 / eli-b |
| Molybdenum | ND | mg/L | | 0.1 | | E200.7 | 11/16/11 15:31 / eli-b |
| Nickel | ND | mg/L | | 0.05 | | E200.7 | 11/16/11 15:31 / eli-b |
| Selenium | 0.003 | mg/L | | 0.001 | | E200.8 | 11/16/11 16:52 / eli-b |
| Uranium | 0.0005 | mg/L | | 0.0003 | | E200.8 | 11/16/11 16:52 / eli-b |
| Uranium, Activity | 3.4E-10 | uCi/mL | | 2.0E-10 | | E200.8 | 11/16/11 16:52 / eli-b |
| Vanadium | ND | mg/L | | 0.1 | | E200.7 | 11/16/11 15:31 / eli-b |
| Zinc | ND | mg/L | | 0.01 | | E200.7 | 11/16/11 15:31 / eli-b |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 11/21/11 15:06 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 11/21/11 15:06 / sml |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
H - Analysis performed past recommended holding time.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Deep Wells G-8 Samples
Lab ID: C11110439-009
Client Sample ID: Monitor 10

Revised Date: 02/03/12
Report Date: 01/11/12
Collection Date: 11/07/11
Date Received: 11/10/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|-----|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 01/27/12 09:20 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 01/27/12 09:20 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 01/27/12 09:20 / eli-cs |
| Polonium 210 | <0.6 | pCi/L | U | 0.6 | | E912.0 | 01/04/12 11:08 / plj |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 01/04/12 11:08 / plj |
| Polonium 210 MDC | 0.6 | pCi/L | | | | E912.0 | 01/04/12 11:08 / plj |
| Radium 226 | 0.8 | pCi/L | | 0.1 | | E903.0 | 11/22/11 01:26 / js |
| Radium 226 precision (±) | 0.2 | pCi/L | | | | E903.0 | 11/22/11 01:26 / js |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 11/22/11 01:26 / js |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 12/07/11 09:03 / dmf |
| Thorium 230 precision (±) | 0.09 | pCi/L | | | | E908.0 | 12/07/11 09:03 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 12/07/11 09:03 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.9 | pCi/L | U | 0.9 | | E909.0 | 12/03/11 22:05 / eli-cs |
| Lead 210 precision (±) | 0.6 | pCi/L | | | | E909.0 | 12/03/11 22:05 / eli-cs |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 12/03/11 22:05 / eli-cs |
| Polonium 210 | <0.2 | pCi/L | U | 0.2 | | E912.0 | 12/14/11 15:03 / ep |
| Polonium 210 precision (±) | 0.1 | pCi/L | | | | E912.0 | 12/14/11 15:03 / ep |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 12/14/11 15:03 / ep |
| Radium 226 | <0.1 | pCi/L | U | 0.1 | | E903.0 | 11/24/11 01:21 / js |
| Radium 226 precision (±) | 0.03 | pCi/L | | | | E903.0 | 11/24/11 01:21 / js |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 11/24/11 01:21 / js |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 12/07/11 14:29 / dmf |
| Thorium 230 precision (±) | 0.04 | pCi/L | | | | E908.0 | 12/07/11 14:29 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 12/07/11 14:29 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 1.52 | % | | | | Calculation | 01/11/12 07:47 / kbh |
| Anions | 17.0 | meq/L | | | | Calculation | 01/11/12 07:47 / kbh |
| Cations | 17.5 | meq/L | | | | Calculation | 01/11/12 07:47 / kbh |
| Solids, Total Dissolved Calculated | 1090 | mg/L | | | | Calculation | 01/11/12 07:47 / kbh |
| TDS Balance (0.80 - 1.20) | 0.990 | | | | | Calculation | 01/11/12 07:47 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Deep Wells G-8 Samples
Lab ID: C11110439-010
Client Sample ID: Monitor 11

Revised Date: 02/03/12
Report Date: 01/11/12
Collection Date: 11/07/11
Date Received: 11/10/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------|------------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 323 | mg/L | | 1 | | A2320 B | 11/11/11 01:50 / jba |
| Carbonate as CO ₃ | 32 | mg/L | | 1 | | A2320 B | 11/11/11 01:50 / jba |
| Bicarbonate as HCO ₃ | 330 | mg/L | | 1 | | A2320 B | 11/11/11 01:50 / jba |
| Calcium | 5 | mg/L | | 1 | | E200.7 | 11/16/11 15:35 / eli-b |
| Chloride | 370 | mg/L | D | 4 | | E300.0 | 11/22/11 00:30 / ljl |
| Fluoride | 0.7 | mg/L | | 0.1 | | A4500-F C | 11/11/11 12:57 / jba |
| Magnesium | 1 | mg/L | | 1 | | E200.7 | 11/16/11 15:35 / eli-b |
| Nitrogen, Ammonia as N | 0.37 | mg/L | | 0.05 | | A4500-NH3 G | 11/17/11 11:53 / dc |
| Nitrogen, Nitrate+Nitrite as N | ND | mg/L | | 0.1 | | E353.2 | 11/11/11 16:43 / dc |
| Potassium | 21 | mg/L | | 1 | | E200.7 | 11/16/11 15:35 / eli-b |
| Silica | 12.4 | mg/L | | 0.2 | | E200.7 | 11/16/11 15:35 / eli-b |
| Sodium | 425 | mg/L | | 1 | | E200.7 | 11/16/11 15:35 / eli-b |
| Sulfate | 124 | mg/L | D | 2 | | E300.0 | 11/17/11 23:26 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 2120 | umhos/cm | | 1 | | A2510 B | 11/18/11 13:16 / wc |
| pH | 8.99 | s.u. | H | 0.01 | | A4500-H B | 11/18/11 13:16 / wc |
| Solids, Total Dissolved TDS @ 180 C | 1160 | mg/L | | 10 | | A2540 C | 11/14/11 11:02 / wc |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.7 | 11/16/11 15:35 / eli-b |
| Arsenic | 0.003 | mg/L | | 0.001 | | E200.8 | 11/16/11 16:56 / eli-b |
| Barium | ND | mg/L | | 0.1 | | E200.7 | 11/16/11 15:35 / eli-b |
| Boron | 1.2 | mg/L | | 0.1 | | E200.7 | 11/16/11 15:35 / eli-b |
| Cadmium | ND | mg/L | | 0.005 | | E200.7 | 11/16/11 15:35 / eli-b |
| Chromium | ND | mg/L | | 0.05 | | E200.7 | 11/16/11 15:35 / eli-b |
| Copper | ND | mg/L | | 0.01 | | E200.7 | 11/16/11 15:35 / eli-b |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 11/16/11 15:35 / eli-b |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 11/16/11 16:56 / eli-b |
| Manganese | ND | mg/L | | 0.01 | | E200.7 | 11/16/11 15:35 / eli-b |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 11/21/11 16:51 / eli-b |
| Molybdenum | ND | mg/L | | 0.1 | | E200.7 | 11/16/11 15:35 / eli-b |
| Nickel | ND | mg/L | | 0.05 | | E200.7 | 11/16/11 15:35 / eli-b |
| Selenium | 0.005 | mg/L | | 0.001 | | E200.8 | 11/16/11 16:56 / eli-b |
| Uranium | 0.0014 | mg/L | | 0.0003 | | E200.8 | 11/16/11 16:56 / eli-b |
| Uranium, Activity | 9.3E-10 | uCi/mL | | 2.0E-10 | | E200.8 | 11/16/11 16:56 / eli-b |
| Vanadium | ND | mg/L | | 0.1 | | E200.7 | 11/16/11 15:35 / eli-b |
| Zinc | ND | mg/L | | 0.01 | | E200.7 | 11/16/11 15:35 / eli-b |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 11/21/11 15:29 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 11/21/11 15:29 / sml |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
H - Analysis performed past recommended holding time.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Deep Wells G-8 Samples
Lab ID: C11110439-010
Client Sample ID: Monitor 11

Revised Date: 02/03/12
Report Date: 01/11/12
Collection Date: 11/07/11
Date Received: 11/10/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|-----|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 01/27/12 17:35 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 01/27/12 17:35 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 01/27/12 17:35 / eli-cs |
| Polonium 210 | <0.7 | pCi/L | U | 0.7 | | E912.0 | 01/04/12 11:08 / plj |
| Polonium 210 precision (±) | 0.4 | pCi/L | | | | E912.0 | 01/04/12 11:08 / plj |
| Polonium 210 MDC | 0.7 | pCi/L | | | | E912.0 | 01/04/12 11:08 / plj |
| Radium 226 | 0.4 | pCi/L | | 0.1 | | E903.0 | 11/22/11 03:07 / js |
| Radium 226 precision (±) | 0.1 | pCi/L | | | | E903.0 | 11/22/11 03:07 / js |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 11/22/11 03:07 / js |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 12/07/11 09:03 / dmf |
| Thorium 230 precision (±) | 0.09 | pCi/L | | | | E908.0 | 12/07/11 09:03 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 12/07/11 09:03 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.9 | pCi/L | U | 0.9 | | E909.0 | 12/04/11 00:10 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 12/04/11 00:10 / eli-cs |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 12/04/11 00:10 / eli-cs |
| Polonium 210 | <0.2 | pCi/L | U | 0.2 | | E912.0 | 12/14/11 15:03 / ep |
| Polonium 210 precision (±) | 0.1 | pCi/L | | | | E912.0 | 12/14/11 15:03 / ep |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 12/14/11 15:03 / ep |
| Radium 226 | <0.1 | pCi/L | U | 0.1 | | E903.0 | 11/24/11 01:21 / js |
| Radium 226 precision (±) | 0.04 | pCi/L | | | | E903.0 | 11/24/11 01:21 / js |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 11/24/11 01:21 / js |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 12/07/11 14:29 / dmf |
| Thorium 230 precision (±) | 0.05 | pCi/L | | | | E908.0 | 12/07/11 14:29 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 12/07/11 14:29 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | -0.277 | % | | | | Calculation | 01/11/12 07:47 / kbh |
| Anions | 19.5 | meq/L | | | | Calculation | 01/11/12 07:47 / kbh |
| Cations | 19.4 | meq/L | | | | Calculation | 01/11/12 07:47 / kbh |
| Solids, Total Dissolved Calculated | 1160 | mg/L | | | | Calculation | 01/11/12 07:47 / kbh |
| TDS Balance (0.80 - 1.20) | 1.00 | | | | | Calculation | 01/11/12 07:47 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Deep Wells G-8 Samples
Lab ID: C11110439-002
Client Sample ID: Monitor 2

Revised Date: 02/03/12
Report Date: 01/11/12
Collection Date: 11/07/11
Date Received: 11/10/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|------------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 374 | mg/L | | 1 | | A2320 B | 11/10/11 23:59 / jba |
| Carbonate as CO ₃ | 9 | mg/L | | 1 | | A2320 B | 11/10/11 23:59 / jba |
| Bicarbonate as HCO ₃ | 439 | mg/L | | 1 | | A2320 B | 11/10/11 23:59 / jba |
| Calcium | 4 | mg/L | | 1 | | E200.7 | 11/16/11 14:49 / eli-b |
| Chloride | 176 | mg/L | | 1 | | E300.0 | 11/18/11 21:53 / ljl |
| Fluoride | 0.5 | mg/L | | 0.1 | | A4500-F C | 11/11/11 12:06 / jba |
| Magnesium | 1 | mg/L | | 1 | | E200.7 | 11/16/11 14:49 / eli-b |
| Nitrogen, Ammonia as N | 0.27 | mg/L | | 0.05 | | A4500-NH ₃ G | 11/17/11 11:29 / dc |
| Nitrogen, Nitrate+Nitrite as N | ND | mg/L | | 0.1 | | E353.2 | 11/11/11 16:11 / dc |
| Potassium | 8 | mg/L | | 1 | | E200.7 | 11/16/11 14:49 / eli-b |
| Silica | 15.6 | mg/L | | 0.2 | | E200.7 | 11/16/11 14:49 / eli-b |
| Sodium | 299 | mg/L | | 1 | | E200.7 | 11/16/11 14:49 / eli-b |
| Sulfate | 57 | mg/L | | 1 | | E300.0 | 11/17/11 21:38 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 1410 | umhos/cm | | 1 | | A2510 B | 11/18/11 12:50 / wc |
| pH | 8.32 | s.u. | H | 0.01 | | A4500-H B | 11/18/11 12:50 / wc |
| Solids, Total Dissolved TDS @ 180 C | 791 | mg/L | | 10 | | A2540 C | 11/14/11 11:01 / wc |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | 0.1 | mg/L | | 0.1 | | E200.7 | 11/16/11 14:49 / eli-b |
| Arsenic | 0.003 | mg/L | | 0.001 | | E200.8 | 11/16/11 16:06 / eli-b |
| Barium | ND | mg/L | | 0.1 | | E200.7 | 11/16/11 14:49 / eli-b |
| Boron | 1.3 | mg/L | | 0.1 | | E200.7 | 11/16/11 14:49 / eli-b |
| Cadmium | ND | mg/L | | 0.005 | | E200.7 | 11/16/11 14:49 / eli-b |
| Chromium | ND | mg/L | | 0.05 | | E200.7 | 11/16/11 14:49 / eli-b |
| Copper | ND | mg/L | | 0.01 | | E200.7 | 11/16/11 14:49 / eli-b |
| Iron | 0.05 | mg/L | | 0.03 | | E200.7 | 11/16/11 14:49 / eli-b |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 11/16/11 16:06 / eli-b |
| Manganese | ND | mg/L | | 0.01 | | E200.7 | 11/16/11 14:49 / eli-b |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 11/18/11 16:48 / eli-b |
| Molybdenum | ND | mg/L | | 0.1 | | E200.7 | 11/16/11 14:49 / eli-b |
| Nickel | ND | mg/L | | 0.05 | | E200.7 | 11/16/11 14:49 / eli-b |
| Selenium | 0.003 | mg/L | | 0.001 | | E200.8 | 11/16/11 16:06 / eli-b |
| Uranium | 0.0023 | mg/L | | 0.0003 | | E200.8 | 11/16/11 16:06 / eli-b |
| Uranium, Activity | 1.6E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 11/16/11 16:06 / eli-b |
| Vanadium | ND | mg/L | | 0.1 | | E200.7 | 11/16/11 14:49 / eli-b |
| Zinc | 0.02 | mg/L | | 0.01 | | E200.7 | 11/16/11 14:49 / eli-b |
| METALS - SUSPENDED | | | | | | | |
| Uranium | 0.0010 | mg/L | | 0.0003 | | E200.8 | 01/20/12 16:24 / sml |
| Uranium, Activity | 6.9E-10 | uCi/mL | | 2.0E-10 | | E200.8 | 01/20/12 16:24 / sml |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
H - Analysis performed past recommended holding time.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Deep Wells G-8 Samples
Lab ID: C11110439-002
Client Sample ID: Monitor 2

Revised Date: 02/03/12
Report Date: 01/11/12
Collection Date: 11/07/11
Date Received: 11/10/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|-----|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | 0.9 | pCi/L | | 0.8 | | E909.0 | 01/24/12 23:38 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 01/24/12 23:38 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 01/24/12 23:38 / eli-cs |
| Polonium 210 | 3.3 | pCi/L | | 0.9 | | E912.0 | 01/04/12 10:02 / plj |
| Polonium 210 precision (±) | 1.7 | pCi/L | | | | E912.0 | 01/04/12 10:02 / plj |
| Polonium 210 MDC | 0.9 | pCi/L | | | | E912.0 | 01/04/12 10:02 / plj |
| Radium 226 | 1.7 | pCi/L | | 0.1 | | E903.0 | 11/22/11 01:26 / js |
| Radium 226 precision (±) | 0.3 | pCi/L | | | | E903.0 | 11/22/11 01:26 / js |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 11/22/11 01:26 / js |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 12/07/11 09:03 / dmf |
| Thorium 230 precision (±) | 0.09 | pCi/L | | | | E908.0 | 12/07/11 09:03 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 12/07/11 09:03 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | 1.2 | pCi/L | | 0.9 | | E909.0 | 12/03/11 07:30 / eli-cs |
| Lead 210 precision (±) | 0.6 | pCi/L | | | | E909.0 | 12/03/11 07:30 / eli-cs |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 12/03/11 07:30 / eli-cs |
| Polonium 210 | 0.3 | pCi/L | | 0.3 | | E912.0 | 12/14/11 13:27 / ep |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 12/14/11 13:27 / ep |
| Polonium 210 MDC | 0.3 | pCi/L | | | | E912.0 | 12/14/11 13:27 / ep |
| Radium 226 | 0.9 | pCi/L | | 0.1 | | E903.0 | 11/23/11 23:46 / js |
| Radium 226 precision (±) | 0.1 | pCi/L | | | | E903.0 | 11/23/11 23:46 / js |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 11/23/11 23:46 / js |
| Thorium 230 | 0.2 | pCi/L | | 0.1 | | E908.0 | 12/07/11 09:54 / dmf |
| Thorium 230 precision (±) | 0.1 | pCi/L | | | | E908.0 | 12/07/11 09:54 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 12/07/11 09:54 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | -0.510 | % | | | | Calculation | 01/11/12 07:40 / kbh |
| Anions | 13.7 | meq/L | | | | Calculation | 01/11/12 07:40 / kbh |
| Cations | 13.5 | meq/L | | | | Calculation | 01/11/12 07:40 / kbh |
| Solids, Total Dissolved Calculated | 789 | mg/L | | | | Calculation | 01/11/12 07:40 / kbh |
| TDS Balance (0.80 - 1.20) | 1.00 | | | | | Calculation | 01/11/12 07:40 / kbh |

**Report
Definitions:**

RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Deep Wells G-8 Samples
Lab ID: C11110439-003
Client Sample ID: Monitor 4A

Revised Date: 02/03/12
Report Date: 01/11/12
Collection Date: 11/07/11
Date Received: 11/10/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|------------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 323 | mg/L | | 1 | | A2320 B | 11/11/11 00:08 / jba |
| Carbonate as CO ₃ | 25 | mg/L | | 1 | | A2320 B | 11/11/11 00:08 / jba |
| Bicarbonate as HCO ₃ | 342 | mg/L | | 1 | | A2320 B | 11/11/11 00:08 / jba |
| Calcium | 3 | mg/L | | 1 | | E200.7 | 11/16/11 14:53 / eli-b |
| Chloride | 258 | mg/L | D | 2 | | E300.0 | 11/21/11 23:23 / ljl |
| Fluoride | 0.8 | mg/L | | 0.1 | | A4500-F C | 11/11/11 12:22 / jba |
| Magnesium | ND | mg/L | | 1 | | E200.7 | 11/16/11 14:53 / eli-b |
| Nitrogen, Ammonia as N | 0.36 | mg/L | | 0.05 | | A4500-NH ₃ G | 11/17/11 11:31 / dc |
| Nitrogen, Nitrate+Nitrite as N | ND | mg/L | | 0.1 | | E353.2 | 11/11/11 16:13 / dc |
| Potassium | 18 | mg/L | | 1 | | E200.7 | 11/16/11 14:53 / eli-b |
| Silica | 15.3 | mg/L | | 0.2 | | E200.7 | 11/16/11 14:53 / eli-b |
| Sodium | 365 | mg/L | | 1 | | E200.7 | 11/16/11 14:53 / eli-b |
| Sulfate | 113 | mg/L | D | 2 | | E300.0 | 11/17/11 21:52 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 1750 | umhos/cm | | 1 | | A2510 B | 11/18/11 12:55 / wc |
| pH | 8.91 | s.u. | H | 0.01 | | A4500-H B | 11/18/11 12:55 / wc |
| Solids, Total Dissolved TDS @ 180 C | 958 | mg/L | | 10 | | A2540 C | 11/14/11 11:01 / wc |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.7 | 11/16/11 14:53 / eli-b |
| Arsenic | 0.005 | mg/L | | 0.001 | | E200.8 | 11/16/11 16:10 / eli-b |
| Barium | ND | mg/L | | 0.1 | | E200.7 | 11/16/11 14:53 / eli-b |
| Boron | 1.3 | mg/L | | 0.1 | | E200.7 | 11/16/11 14:53 / eli-b |
| Cadmium | ND | mg/L | | 0.005 | | E200.7 | 11/16/11 14:53 / eli-b |
| Chromium | ND | mg/L | | 0.05 | | E200.7 | 11/16/11 14:53 / eli-b |
| Copper | ND | mg/L | | 0.01 | | E200.7 | 11/16/11 14:53 / eli-b |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 11/16/11 14:53 / eli-b |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 11/16/11 16:10 / eli-b |
| Manganese | ND | mg/L | | 0.01 | | E200.7 | 11/16/11 14:53 / eli-b |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 11/18/11 16:51 / eli-b |
| Molybdenum | ND | mg/L | | 0.1 | | E200.7 | 11/16/11 14:53 / eli-b |
| Nickel | ND | mg/L | | 0.05 | | E200.7 | 11/16/11 14:53 / eli-b |
| Selenium | 0.005 | mg/L | | 0.001 | | E200.8 | 11/16/11 16:10 / eli-b |
| Uranium | 0.0771 | mg/L | | 0.0003 | | E200.8 | 11/16/11 16:10 / eli-b |
| Uranium, Activity | 5.2E-08 | uCi/mL | | 2.0E-10 | | E200.8 | 11/16/11 16:10 / eli-b |
| Vanadium | ND | mg/L | | 0.1 | | E200.7 | 11/16/11 14:53 / eli-b |
| Zinc | ND | mg/L | | 0.01 | | E200.7 | 11/16/11 14:53 / eli-b |
| METALS - SUSPENDED | | | | | | | |
| Uranium | 0.0008 | mg/L | | 0.0003 | | E200.8 | 01/20/12 16:25 / sml |
| Uranium, Activity | 5.6E-10 | uCi/mL | | 2.0E-10 | | E200.8 | 01/20/12 16:25 / sml |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
H - Analysis performed past recommended holding time.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Deep Wells G-8 Samples
Lab ID: C11110439-003
Client Sample ID: Monitor 4A

Revised Date: 02/03/12
Report Date: 01/11/12
Collection Date: 11/07/11
Date Received: 11/10/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|-----|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | 1130 | pCi/L | | 1.3 | | E909.0 | 12/04/11 23:56 / eli-cs |
| Lead 210 precision (±) | 4.6 | pCi/L | | | | E909.0 | 12/04/11 23:56 / eli-cs |
| Lead 210 MDC | 1.3 | pCi/L | | | | E909.0 | 12/04/11 23:56 / eli-cs |
| Polonium 210 | 165 | pCi/L | | 1.2 | | E912.0 | 01/04/12 14:17 / plj |
| Polonium 210 precision (±) | 54 | pCi/L | | | | E912.0 | 01/04/12 14:17 / plj |
| Polonium 210 MDC | 1.2 | pCi/L | | | | E912.0 | 01/04/12 14:17 / plj |
| Radium 226 | 262 | pCi/L | | 0.1 | | E903.0 | 11/22/11 01:26 / js |
| Radium 226 precision (±) | 3.0 | pCi/L | | | | E903.0 | 11/22/11 01:26 / js |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 11/22/11 01:26 / js |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 12/07/11 09:03 / dmf |
| Thorium 230 precision (±) | 0.1 | pCi/L | | | | E908.0 | 12/07/11 09:03 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 12/07/11 09:03 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | 22 | pCi/L | | 0.9 | | E909.0 | 12/03/11 09:35 / eli-cs |
| Lead 210 precision (±) | 0.9 | pCi/L | | | | E909.0 | 12/03/11 09:35 / eli-cs |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 12/03/11 09:35 / eli-cs |
| Polonium 210 | 6.2 | pCi/L | | 0.2 | | E912.0 | 12/14/11 13:27 / ep |
| Polonium 210 precision (±) | 1.4 | pCi/L | | | | E912.0 | 12/14/11 13:27 / ep |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 12/14/11 13:27 / ep |
| Radium 226 | 0.9 | pCi/L | | 0.1 | | E903.0 | 11/23/11 23:46 / js |
| Radium 226 precision (±) | 0.1 | pCi/L | | | | E903.0 | 11/23/11 23:46 / js |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 11/23/11 23:46 / js |
| Thorium 230 | 0.3 | pCi/L | | 0.1 | | E908.0 | 12/07/11 09:54 / dmf |
| Thorium 230 precision (±) | 0.1 | pCi/L | | | | E908.0 | 12/07/11 09:54 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 12/07/11 09:54 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 1.32 | % | | | | Calculation | 01/11/12 07:43 / kbh |
| Anions | 16.1 | meq/L | | | | Calculation | 01/11/12 07:43 / kbh |
| Cations | 16.6 | meq/L | | | | Calculation | 01/11/12 07:43 / kbh |
| Solids, Total Dissolved Calculated | 971 | mg/L | | | | Calculation | 01/11/12 07:43 / kbh |
| TDS Balance (0.80 - 1.20) | 0.990 | | | | | Calculation | 01/11/12 07:43 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Deep Wells G-8 Samples
Lab ID: C11110439-003
Client Sample ID: Monitor 4A

Revised Date: 02/03/12
Report Date: 01/11/12
Collection Date: 11/07/11
Date Received: 11/10/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|------------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 323 | mg/L | | 1 | | A2320 B | 11/11/11 00:08 / jba |
| Carbonate as CO ₃ | 25 | mg/L | | 1 | | A2320 B | 11/11/11 00:08 / jba |
| Bicarbonate as HCO ₃ | 342 | mg/L | | 1 | | A2320 B | 11/11/11 00:08 / jba |
| Calcium | 3 | mg/L | | 1 | | E200.7 | 11/16/11 14:53 / eli-b |
| Chloride | 258 | mg/L | D | 2 | | E300.0 | 11/21/11 23:23 / ljl |
| Fluoride | 0.8 | mg/L | | 0.1 | | A4500-F C | 11/11/11 12:22 / jba |
| Magnesium | ND | mg/L | | 1 | | E200.7 | 11/16/11 14:53 / eli-b |
| Nitrogen, Ammonia as N | 0.36 | mg/L | | 0.05 | | A4500-NH ₃ G | 11/17/11 11:31 / dc |
| Nitrogen, Nitrate+Nitrite as N | ND | mg/L | | 0.1 | | E353.2 | 11/11/11 16:13 / dc |
| Potassium | 18 | mg/L | | 1 | | E200.7 | 11/16/11 14:53 / eli-b |
| Silica | 15.3 | mg/L | | 0.2 | | E200.7 | 11/16/11 14:53 / eli-b |
| Sodium | 365 | mg/L | | 1 | | E200.7 | 11/16/11 14:53 / eli-b |
| Sulfate | 113 | mg/L | D | 2 | | E300.0 | 11/17/11 21:52 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 1750 | umhos/cm | | 1 | | A2510 B | 11/18/11 12:55 / wc |
| pH | 8.91 | s.u. | H | 0.01 | | A4500-H B | 11/18/11 12:55 / wc |
| Solids, Total Dissolved TDS @ 180 C | 958 | mg/L | | 10 | | A2540 C | 11/14/11 11:01 / wc |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.7 | 11/16/11 14:53 / eli-b |
| Arsenic | 0.005 | mg/L | | 0.001 | | E200.8 | 11/16/11 16:10 / eli-b |
| Barium | ND | mg/L | | 0.1 | | E200.7 | 11/16/11 14:53 / eli-b |
| Boron | 1.3 | mg/L | | 0.1 | | E200.7 | 11/16/11 14:53 / eli-b |
| Cadmium | ND | mg/L | | 0.005 | | E200.7 | 11/16/11 14:53 / eli-b |
| Chromium | ND | mg/L | | 0.05 | | E200.7 | 11/16/11 14:53 / eli-b |
| Copper | ND | mg/L | | 0.01 | | E200.7 | 11/16/11 14:53 / eli-b |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 11/16/11 14:53 / eli-b |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 11/16/11 16:10 / eli-b |
| Manganese | ND | mg/L | | 0.01 | | E200.7 | 11/16/11 14:53 / eli-b |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 11/18/11 16:51 / eli-b |
| Molybdenum | ND | mg/L | | 0.1 | | E200.7 | 11/16/11 14:53 / eli-b |
| Nickel | ND | mg/L | | 0.05 | | E200.7 | 11/16/11 14:53 / eli-b |
| Selenium | 0.005 | mg/L | | 0.001 | | E200.8 | 11/16/11 16:10 / eli-b |
| Uranium | 0.0771 | mg/L | | 0.0003 | | E200.8 | 11/16/11 16:10 / eli-b |
| Uranium, Activity | 5.2E-08 | uCi/mL | | 2.0E-10 | | E200.8 | 11/16/11 16:10 / eli-b |
| Vanadium | ND | mg/L | | 0.1 | | E200.7 | 11/16/11 14:53 / eli-b |
| Zinc | ND | mg/L | | 0.01 | | E200.7 | 11/16/11 14:53 / eli-b |
| METALS - SUSPENDED | | | | | | | |
| Uranium | 0.0008 | mg/L | | 0.0003 | | E200.8 | 01/20/12 16:25 / sml |
| Uranium, Activity | 5.6E-10 | uCi/mL | | 2.0E-10 | | E200.8 | 01/20/12 16:25 / sml |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
H - Analysis performed past recommended holding time.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Deep Wells G-8 Samples
Lab ID: C11110439-003
Client Sample ID: Monitor 4A

Revised Date: 02/03/12
Report Date: 01/11/12
Collection Date: 11/07/11
Date Received: 11/10/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|-----|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | 1130 | pCi/L | | 1.3 | | E909.0 | 12/04/11 23:56 / eli-cs |
| Lead 210 precision (±) | 4.6 | pCi/L | | | | E909.0 | 12/04/11 23:56 / eli-cs |
| Lead 210 MDC | 1.3 | pCi/L | | | | E909.0 | 12/04/11 23:56 / eli-cs |
| Polonium 210 | 165 | pCi/L | | 1.2 | | E912.0 | 01/04/12 14:17 / plj |
| Polonium 210 precision (±) | 54 | pCi/L | | | | E912.0 | 01/04/12 14:17 / plj |
| Polonium 210 MDC | 1.2 | pCi/L | | | | E912.0 | 01/04/12 14:17 / plj |
| Radium 226 | 262 | pCi/L | | 0.1 | | E903.0 | 11/22/11 01:26 / js |
| Radium 226 precision (±) | 3.0 | pCi/L | | | | E903.0 | 11/22/11 01:26 / js |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 11/22/11 01:26 / js |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 12/07/11 09:03 / dmf |
| Thorium 230 precision (±) | 0.1 | pCi/L | | | | E908.0 | 12/07/11 09:03 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 12/07/11 09:03 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | 22 | pCi/L | | 0.9 | | E909.0 | 12/03/11 09:35 / eli-cs |
| Lead 210 precision (±) | 0.9 | pCi/L | | | | E909.0 | 12/03/11 09:35 / eli-cs |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 12/03/11 09:35 / eli-cs |
| Polonium 210 | 6.2 | pCi/L | | 0.2 | | E912.0 | 12/14/11 13:27 / ep |
| Polonium 210 precision (±) | 1.4 | pCi/L | | | | E912.0 | 12/14/11 13:27 / ep |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 12/14/11 13:27 / ep |
| Radium 226 | 0.9 | pCi/L | | 0.1 | | E903.0 | 11/23/11 23:46 / js |
| Radium 226 precision (±) | 0.1 | pCi/L | | | | E903.0 | 11/23/11 23:46 / js |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 11/23/11 23:46 / js |
| Thorium 230 | 0.3 | pCi/L | | 0.1 | | E908.0 | 12/07/11 09:54 / dmf |
| Thorium 230 precision (±) | 0.1 | pCi/L | | | | E908.0 | 12/07/11 09:54 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 12/07/11 09:54 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 1.32 | % | | | | Calculation | 01/11/12 07:43 / kbh |
| Anions | 16.1 | meq/L | | | | Calculation | 01/11/12 07:43 / kbh |
| Cations | 16.6 | meq/L | | | | Calculation | 01/11/12 07:43 / kbh |
| Solids, Total Dissolved Calculated | 971 | mg/L | | | | Calculation | 01/11/12 07:43 / kbh |
| TDS Balance (0.80 - 1.20) | 0.990 | | | | | Calculation | 01/11/12 07:43 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Deep Wells G-8 Samples
Lab ID: C11110439-004
Client Sample ID: Monitor 5

Revised Date: 02/03/12
Report Date: 01/11/12
Collection Date: 11/07/11
Date Received: 11/10/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|------------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 248 | mg/L | | 1 | | A2320 B | 11/11/11 00:17 / jba |
| Carbonate as CO ₃ | 80 | mg/L | | 1 | | A2320 B | 11/11/11 00:17 / jba |
| Bicarbonate as HCO ₃ | 140 | mg/L | | 1 | | A2320 B | 11/11/11 00:17 / jba |
| Calcium | 4 | mg/L | | 1 | | E200.7 | 11/16/11 14:57 / eli-b |
| Chloride | 320 | mg/L | D | 2 | | E300.0 | 11/21/11 23:37 / ljl |
| Fluoride | 0.7 | mg/L | | 0.1 | | A4500-F C | 11/11/11 12:30 / jba |
| Magnesium | 1 | mg/L | | 1 | | E200.7 | 11/16/11 14:57 / eli-b |
| Nitrogen, Ammonia as N | 0.54 | mg/L | | 0.05 | | A4500-NH ₃ G | 11/17/11 11:33 / dc |
| Nitrogen, Nitrate+Nitrite as N | ND | mg/L | | 0.1 | | E353.2 | 11/11/11 16:16 / dc |
| Potassium | 31 | mg/L | | 1 | | E200.7 | 11/16/11 14:57 / eli-b |
| Silica | 25.0 | mg/L | | 0.2 | | E200.7 | 11/16/11 14:57 / eli-b |
| Sodium | 438 | mg/L | | 1 | | E200.7 | 11/16/11 14:57 / eli-b |
| Sulfate | 312 | mg/L | D | 4 | | E300.0 | 11/18/11 22:47 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 2260 | umhos/cm | | 1 | | A2510 B | 11/18/11 12:57 / wc |
| pH | 9.72 | s.u. | H | 0.01 | | A4500-H B | 11/18/11 12:57 / wc |
| Solids, Total Dissolved TDS @ 180 C | 1290 | mg/L | | 10 | | A2540 C | 11/14/11 11:01 / wc |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | 0.3 | mg/L | | 0.1 | | E200.7 | 11/16/11 14:57 / eli-b |
| Arsenic | 0.002 | mg/L | | 0.001 | | E200.8 | 11/16/11 16:14 / eli-b |
| Barium | ND | mg/L | | 0.1 | | E200.7 | 11/16/11 14:57 / eli-b |
| Boron | 1.1 | mg/L | | 0.1 | | E200.7 | 11/16/11 14:57 / eli-b |
| Cadmium | ND | mg/L | | 0.005 | | E200.7 | 11/16/11 14:57 / eli-b |
| Chromium | ND | mg/L | | 0.05 | | E200.7 | 11/16/11 14:57 / eli-b |
| Copper | ND | mg/L | | 0.01 | | E200.7 | 11/16/11 14:57 / eli-b |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 11/16/11 14:57 / eli-b |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 11/16/11 16:14 / eli-b |
| Manganese | ND | mg/L | | 0.01 | | E200.7 | 11/16/11 14:57 / eli-b |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 11/18/11 16:54 / eli-b |
| Molybdenum | ND | mg/L | | 0.1 | | E200.7 | 11/16/11 14:57 / eli-b |
| Nickel | ND | mg/L | | 0.05 | | E200.7 | 11/16/11 14:57 / eli-b |
| Selenium | 0.005 | mg/L | | 0.001 | | E200.8 | 11/16/11 16:14 / eli-b |
| Uranium | 0.0007 | mg/L | | 0.0003 | | E200.8 | 11/16/11 16:14 / eli-b |
| Uranium, Activity | 4.6E-10 | uCi/mL | | 2.0E-10 | | E200.8 | 11/16/11 16:14 / eli-b |
| Vanadium | ND | mg/L | | 0.1 | | E200.7 | 11/16/11 14:57 / eli-b |
| Zinc | 0.02 | mg/L | | 0.01 | | E200.7 | 11/16/11 14:57 / eli-b |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 11/21/11 14:51 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 11/21/11 14:51 / sml |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
H - Analysis performed past recommended holding time.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Deep Wells G-8 Samples
Lab ID: C11110439-004
Client Sample ID: Monitor 5

Revised Date: 02/03/12
Report Date: 01/11/12
Collection Date: 11/07/11
Date Received: 11/10/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|-----|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 01/26/12 08:37 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 01/26/12 08:37 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 01/26/12 08:37 / eli-cs |
| Polonium 210 | <0.7 | pCi/L | U | 0.7 | | E912.0 | 01/04/12 10:02 / plj |
| Polonium 210 precision (±) | 0.5 | pCi/L | | | | E912.0 | 01/04/12 10:02 / plj |
| Polonium 210 MDC | 0.7 | pCi/L | | | | E912.0 | 01/04/12 10:02 / plj |
| Radium 226 | 3.5 | pCi/L | | 0.1 | | E903.0 | 11/22/11 01:26 / js |
| Radium 226 precision (±) | 0.3 | pCi/L | | | | E903.0 | 11/22/11 01:26 / js |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 11/22/11 01:26 / js |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 12/07/11 09:03 / dmf |
| Thorium 230 precision (±) | 0.1 | pCi/L | | | | E908.0 | 12/07/11 09:03 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 12/07/11 09:03 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.9 | pCi/L | U | 0.9 | | E909.0 | 12/03/11 11:40 / eli-cs |
| Lead 210 precision (±) | 0.6 | pCi/L | | | | E909.0 | 12/03/11 11:40 / eli-cs |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 12/03/11 11:40 / eli-cs |
| Polonium 210 | <0.2 | pCi/L | U | 0.2 | | E912.0 | 12/14/11 13:27 / ep |
| Polonium 210 precision (±) | 0.1 | pCi/L | | | | E912.0 | 12/14/11 13:27 / ep |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 12/14/11 13:27 / ep |
| Radium 226 | <0.1 | pCi/L | U | 0.1 | | E903.0 | 11/23/11 23:46 / js |
| Radium 226 precision (±) | 0.05 | pCi/L | | | | E903.0 | 11/23/11 23:46 / js |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 11/23/11 23:46 / js |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 12/07/11 09:54 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 12/07/11 09:54 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 12/07/11 09:54 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | -0.837 | % | | | | Calculation | 01/11/12 07:44 / kbh |
| Anions | 20.6 | meq/L | | | | Calculation | 01/11/12 07:44 / kbh |
| Cations | 20.2 | meq/L | | | | Calculation | 01/11/12 07:44 / kbh |
| Solids, Total Dissolved Calculated | 1290 | mg/L | | | | Calculation | 01/11/12 07:44 / kbh |
| TDS Balance (0.80 - 1.20) | 1.00 | | | | | Calculation | 01/11/12 07:44 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Deep Wells G-8 Samples
Lab ID: C11110439-005
Client Sample ID: Monitor 6

Revised Date: 02/03/12
Report Date: 01/11/12
Collection Date: 11/07/11
Date Received: 11/10/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------|------------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 271 | mg/L | | 1 | | A2320 B | 11/11/11 00:25 / jba |
| Carbonate as CO ₃ | 25 | mg/L | | 1 | | A2320 B | 11/11/11 00:25 / jba |
| Bicarbonate as HCO ₃ | 280 | mg/L | | 1 | | A2320 B | 11/11/11 00:25 / jba |
| Calcium | 13 | mg/L | | 1 | | E200.7 | 11/16/11 15:01 / eli-b |
| Chloride | 398 | mg/L | D | 4 | | E300.0 | 11/21/11 23:50 / ljl |
| Fluoride | 0.8 | mg/L | | 0.1 | | A4500-F C | 11/11/11 12:35 / jba |
| Magnesium | ND | mg/L | | 1 | | E200.7 | 11/16/11 15:01 / eli-b |
| Nitrogen, Ammonia as N | 0.53 | mg/L | | 0.05 | | A4500-NH3 G | 11/17/11 11:35 / dc |
| Nitrogen, Nitrate+Nitrite as N | ND | mg/L | | 0.1 | | E353.2 | 11/11/11 16:18 / dc |
| Potassium | 22 | mg/L | | 1 | | E200.7 | 11/16/11 15:01 / eli-b |
| Silica | 15.5 | mg/L | | 0.2 | | E200.7 | 11/16/11 15:01 / eli-b |
| Sodium | 377 | mg/L | | 1 | | E200.7 | 11/16/11 15:01 / eli-b |
| Sulfate | 53 | mg/L | | 1 | | E300.0 | 11/17/11 22:19 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 1950 | umhos/cm | | 1 | | A2510 B | 11/18/11 13:00 / wc |
| pH | 8.82 | s.u. | H | 0.01 | | A4500-H B | 11/18/11 13:00 / wc |
| Solids, Total Dissolved TDS @ 180 C | 1040 | mg/L | | 10 | | A2540 C | 11/14/11 11:01 / wc |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | 0.1 | mg/L | | 0.1 | | E200.7 | 11/16/11 15:01 / eli-b |
| Arsenic | 0.002 | mg/L | | 0.001 | | E200.8 | 11/16/11 16:35 / eli-b |
| Barium | 0.1 | mg/L | | 0.1 | | E200.7 | 11/16/11 15:01 / eli-b |
| Boron | 1.2 | mg/L | | 0.1 | | E200.7 | 11/16/11 15:01 / eli-b |
| Cadmium | ND | mg/L | | 0.005 | | E200.7 | 11/16/11 15:01 / eli-b |
| Chromium | ND | mg/L | | 0.05 | | E200.7 | 11/16/11 15:01 / eli-b |
| Copper | ND | mg/L | | 0.01 | | E200.7 | 11/16/11 15:01 / eli-b |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 11/16/11 15:01 / eli-b |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 11/16/11 16:35 / eli-b |
| Manganese | ND | mg/L | | 0.01 | | E200.7 | 11/16/11 15:01 / eli-b |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 11/18/11 16:56 / eli-b |
| Molybdenum | ND | mg/L | | 0.1 | | E200.7 | 11/16/11 15:01 / eli-b |
| Nickel | ND | mg/L | | 0.05 | | E200.7 | 11/16/11 15:01 / eli-b |
| Selenium | 0.004 | mg/L | | 0.001 | | E200.8 | 11/16/11 16:35 / eli-b |
| Uranium | 0.0014 | mg/L | | 0.0003 | | E200.8 | 11/16/11 16:35 / eli-b |
| Uranium, Activity | 9.5E-10 | uCi/mL | | 2.0E-10 | | E200.8 | 11/16/11 16:35 / eli-b |
| Vanadium | ND | mg/L | | 0.1 | | E200.7 | 11/16/11 15:01 / eli-b |
| Zinc | ND | mg/L | | 0.01 | | E200.7 | 11/16/11 15:01 / eli-b |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 11/21/11 14:59 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 11/21/11 14:59 / sml |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
H - Analysis performed past recommended holding time.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Deep Wells G-8 Samples
Lab ID: C11110439-005
Client Sample ID: Monitor 6

Revised Date: 02/03/12
Report Date: 01/11/12
Collection Date: 11/07/11
Date Received: 11/10/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|-----|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | 2.2 | pCi/L | | 1.3 | | E909.0 | 12/05/11 04:26 / eli-cs |
| Lead 210 precision (±) | 0.8 | pCi/L | | | | E909.0 | 12/05/11 04:26 / eli-cs |
| Lead 210 MDC | 1.3 | pCi/L | | | | E909.0 | 12/05/11 04:26 / eli-cs |
| Polonium 210 | 0.9 | pCi/L | | 0.8 | | E912.0 | 01/04/12 10:02 / plj |
| Polonium 210 precision (±) | 0.9 | pCi/L | | | | E912.0 | 01/04/12 10:02 / plj |
| Polonium 210 MDC | 0.8 | pCi/L | | | | E912.0 | 01/04/12 10:02 / plj |
| Radium 226 | 1.9 | pCi/L | | 0.1 | | E903.0 | 11/22/11 01:26 / js |
| Radium 226 precision (±) | 0.3 | pCi/L | | | | E903.0 | 11/22/11 01:26 / js |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 11/22/11 01:26 / js |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 12/07/11 09:03 / dmf |
| Thorium 230 precision (±) | 0.09 | pCi/L | | | | E908.0 | 12/07/11 09:03 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 12/07/11 09:03 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.9 | pCi/L | U | 0.9 | | E909.0 | 12/03/11 13:45 / eli-cs |
| Lead 210 precision (±) | 0.6 | pCi/L | | | | E909.0 | 12/03/11 13:45 / eli-cs |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 12/03/11 13:45 / eli-cs |
| Polonium 210 | <0.2 | pCi/L | U | 0.2 | | E912.0 | 12/14/11 13:28 / ep |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 12/14/11 13:28 / ep |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 12/14/11 13:28 / ep |
| Radium 226 | <0.1 | pCi/L | U | 0.1 | | E903.0 | 11/23/11 23:46 / js |
| Radium 226 precision (±) | 0.03 | pCi/L | | | | E903.0 | 11/23/11 23:46 / js |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 11/23/11 23:46 / js |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 12/07/11 09:54 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 12/07/11 09:54 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 12/07/11 09:54 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | -0.320 | % | | | | Calculation | 01/11/12 07:44 / kbh |
| Anions | 17.8 | meq/L | | | | Calculation | 01/11/12 07:44 / kbh |
| Cations | 17.7 | meq/L | | | | Calculation | 01/11/12 07:44 / kbh |
| Solids, Total Dissolved Calculated | 1050 | mg/L | | | | Calculation | 01/11/12 07:44 / kbh |
| TDS Balance (0.80 - 1.20) | 0.990 | | | | | Calculation | 01/11/12 07:44 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Deep Wells G-8 Samples
Lab ID: C11110439-006
Client Sample ID: Monitor 7

Revised Date: 02/03/12
Report Date: 01/11/12
Collection Date: 11/07/11
Date Received: 11/10/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|------------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 245 | mg/L | | 1 | | A2320 B | 11/11/11 00:58 / jba |
| Carbonate as CO ₃ | 17 | mg/L | | 1 | | A2320 B | 11/11/11 00:58 / jba |
| Bicarbonate as HCO ₃ | 264 | mg/L | | 1 | | A2320 B | 11/11/11 00:58 / jba |
| Calcium | 6 | mg/L | | 1 | | E200.7 | 11/16/11 15:05 / eli-b |
| Chloride | 241 | mg/L | | 1 | | E300.0 | 11/18/11 23:14 / ljl |
| Fluoride | 0.8 | mg/L | | 0.1 | | A4500-F C | 11/11/11 12:42 / jba |
| Magnesium | 2 | mg/L | | 1 | | E200.7 | 11/16/11 15:05 / eli-b |
| Nitrogen, Ammonia as N | 0.33 | mg/L | | 0.05 | | A4500-NH ₃ G | 11/17/11 11:37 / dc |
| Nitrogen, Nitrate+Nitrite as N | ND | mg/L | | 0.1 | | E353.2 | 11/11/11 16:28 / dc |
| Potassium | 16 | mg/L | | 1 | | E200.7 | 11/16/11 15:05 / eli-b |
| Silica | 15.8 | mg/L | | 0.2 | | E200.7 | 11/16/11 15:05 / eli-b |
| Sodium | 410 | mg/L | | 1 | | E200.7 | 11/16/11 15:05 / eli-b |
| Sulfate | 305 | mg/L | D | 2 | | E300.0 | 11/17/11 22:32 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 1960 | umhos/cm | | 1 | | A2510 B | 11/18/11 13:03 / wc |
| pH | 8.86 | s.u. | H | 0.01 | | A4500-H B | 11/18/11 13:03 / wc |
| Solids, Total Dissolved TDS @ 180 C | 1110 | mg/L | | 10 | | A2540 C | 11/14/11 11:02 / wc |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.7 | 11/16/11 15:05 / eli-b |
| Arsenic | 0.002 | mg/L | | 0.001 | | E200.8 | 11/16/11 16:39 / eli-b |
| Barium | ND | mg/L | | 0.1 | | E200.7 | 11/16/11 15:05 / eli-b |
| Boron | 1.3 | mg/L | | 0.1 | | E200.7 | 11/16/11 15:05 / eli-b |
| Cadmium | ND | mg/L | | 0.005 | | E200.7 | 11/16/11 15:05 / eli-b |
| Chromium | ND | mg/L | | 0.05 | | E200.7 | 11/16/11 15:05 / eli-b |
| Copper | ND | mg/L | | 0.01 | | E200.7 | 11/16/11 15:05 / eli-b |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 11/16/11 15:05 / eli-b |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 11/16/11 16:39 / eli-b |
| Manganese | ND | mg/L | | 0.01 | | E200.7 | 11/16/11 15:05 / eli-b |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 11/18/11 16:59 / eli-b |
| Molybdenum | ND | mg/L | | 0.1 | | E200.7 | 11/16/11 15:05 / eli-b |
| Nickel | ND | mg/L | | 0.05 | | E200.7 | 11/16/11 15:05 / eli-b |
| Selenium | 0.004 | mg/L | | 0.001 | | E200.8 | 11/16/11 16:39 / eli-b |
| Uranium | 0.0005 | mg/L | | 0.0003 | | E200.8 | 11/16/11 16:39 / eli-b |
| Uranium, Activity | 3.1E-10 | uCi/mL | | 2.0E-10 | | E200.8 | 11/16/11 16:39 / eli-b |
| Vanadium | ND | mg/L | | 0.1 | | E200.7 | 11/16/11 15:05 / eli-b |
| Zinc | 0.01 | mg/L | | 0.01 | | E200.7 | 11/16/11 15:05 / eli-b |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 11/21/11 15:01 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 11/21/11 15:01 / sml |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
H - Analysis performed past recommended holding time.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Deep Wells G-8 Samples
Lab ID: C11110439-006
Client Sample ID: Monitor 7

Revised Date: 02/03/12
Report Date: 01/11/12
Collection Date: 11/07/11
Date Received: 11/10/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|-----|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 01/26/12 16:51 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 01/26/12 16:51 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 01/26/12 16:51 / eli-cs |
| Polonium 210 | <0.7 | pCi/L | U | 0.7 | | E912.0 | 01/04/12 10:02 / plj |
| Polonium 210 precision (±) | 0.4 | pCi/L | | | | E912.0 | 01/04/12 10:02 / plj |
| Polonium 210 MDC | 0.7 | pCi/L | | | | E912.0 | 01/04/12 10:02 / plj |
| Radium 226 | 0.9 | pCi/L | | 0.1 | | E903.0 | 11/22/11 01:26 / js |
| Radium 226 precision (±) | 0.2 | pCi/L | | | | E903.0 | 11/22/11 01:26 / js |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 11/22/11 01:26 / js |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 12/07/11 09:03 / dmf |
| Thorium 230 precision (±) | 0.1 | pCi/L | | | | E908.0 | 12/07/11 09:03 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 12/07/11 09:03 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.9 | pCi/L | U | 0.9 | | E909.0 | 12/03/11 15:50 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 12/03/11 15:50 / eli-cs |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 12/03/11 15:50 / eli-cs |
| Polonium 210 | <0.2 | pCi/L | U | 0.2 | | E912.0 | 12/14/11 13:28 / ep |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 12/14/11 13:28 / ep |
| Polonium 210 MDC | 0.2 | pCi/L | | | | E912.0 | 12/14/11 13:28 / ep |
| Radium 226 | <0.1 | pCi/L | U | 0.1 | | E903.0 | 11/23/11 23:46 / js |
| Radium 226 precision (±) | 0.05 | pCi/L | | | | E903.0 | 11/23/11 23:46 / js |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 11/23/11 23:46 / js |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 12/07/11 09:54 / dmf |
| Thorium 230 precision (±) | 0.05 | pCi/L | | | | E908.0 | 12/07/11 09:54 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 12/07/11 09:54 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 1.67 | % | | | | Calculation | 01/11/12 07:45 / kbh |
| Anions | 18.1 | meq/L | | | | Calculation | 01/11/12 07:45 / kbh |
| Cations | 18.7 | meq/L | | | | Calculation | 01/11/12 07:45 / kbh |
| Solids, Total Dissolved Calculated | 1150 | mg/L | | | | Calculation | 01/11/12 07:45 / kbh |
| TDS Balance (0.80 - 1.20) | 0.970 | | | | | Calculation | 01/11/12 07:45 / kbh |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Deep Wells G-8 Samples
Lab ID: C11110439-008
Client Sample ID: Monitor 9

Revised Date: 02/03/12
Report Date: 01/11/12
Collection Date: 11/07/11
Date Received: 11/10/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|------------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 307 | mg/L | | 1 | | A2320 B | 11/11/11 01:34 / jba |
| Carbonate as CO ₃ | 38 | mg/L | | 1 | | A2320 B | 11/11/11 01:34 / jba |
| Bicarbonate as HCO ₃ | 297 | mg/L | | 1 | | A2320 B | 11/11/11 01:34 / jba |
| Calcium | 2 | mg/L | | 1 | | E200.7 | 11/16/11 15:27 / eli-b |
| Chloride | 269 | mg/L | D | 2 | | E300.0 | 11/22/11 00:17 / ljl |
| Fluoride | 0.8 | mg/L | | 0.1 | | A4500-F C | 11/11/11 12:50 / jba |
| Magnesium | ND | mg/L | | 1 | | E200.7 | 11/16/11 15:27 / eli-b |
| Nitrogen, Ammonia as N | 0.33 | mg/L | | 0.05 | | A4500-NH ₃ G | 11/17/11 11:41 / dc |
| Nitrogen, Nitrate+Nitrite as N | ND | mg/L | | 0.1 | | E353.2 | 11/11/11 16:38 / dc |
| Potassium | 15 | mg/L | | 1 | | E200.7 | 11/16/11 15:27 / eli-b |
| Silica | 14.9 | mg/L | | 0.2 | | E200.7 | 11/16/11 15:27 / eli-b |
| Sodium | 344 | mg/L | | 1 | | E200.7 | 11/16/11 15:27 / eli-b |
| Sulfate | 91 | mg/L | D | 2 | | E300.0 | 11/17/11 22:59 / ljl |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 1700 | umhos/cm | | 1 | | A2510 B | 11/18/11 13:10 / wc |
| pH | 8.91 | s.u. | H | 0.01 | | A4500-H B | 11/18/11 13:10 / wc |
| Solids, Total Dissolved TDS @ 180 C | 946 | mg/L | | 10 | | A2540 C | 11/14/11 11:02 / wc |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.7 | 11/16/11 15:27 / eli-b |
| Arsenic | 0.002 | mg/L | | 0.001 | | E200.8 | 11/16/11 16:48 / eli-b |
| Barium | ND | mg/L | | 0.1 | | E200.7 | 11/16/11 15:27 / eli-b |
| Boron | 1.1 | mg/L | | 0.1 | | E200.7 | 11/16/11 15:27 / eli-b |
| Cadmium | ND | mg/L | | 0.005 | | E200.7 | 11/16/11 15:27 / eli-b |
| Chromium | ND | mg/L | | 0.05 | | E200.7 | 11/16/11 15:27 / eli-b |
| Copper | ND | mg/L | | 0.01 | | E200.7 | 11/16/11 15:27 / eli-b |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 11/16/11 15:27 / eli-b |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 11/16/11 16:48 / eli-b |
| Manganese | ND | mg/L | | 0.01 | | E200.7 | 11/16/11 15:27 / eli-b |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 11/21/11 16:45 / eli-b |
| Molybdenum | ND | mg/L | | 0.1 | | E200.7 | 11/16/11 15:27 / eli-b |
| Nickel | ND | mg/L | | 0.05 | | E200.7 | 11/16/11 15:27 / eli-b |
| Selenium | 0.004 | mg/L | | 0.001 | | E200.8 | 11/16/11 16:48 / eli-b |
| Uranium | 0.0040 | mg/L | | 0.0003 | | E200.8 | 11/16/11 16:48 / eli-b |
| Uranium, Activity | 2.7E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 11/16/11 16:48 / eli-b |
| Vanadium | ND | mg/L | | 0.1 | | E200.7 | 11/16/11 15:27 / eli-b |
| Zinc | ND | mg/L | | 0.01 | | E200.7 | 11/16/11 15:27 / eli-b |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 11/21/11 15:04 / sml |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 11/21/11 15:04 / sml |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
H - Analysis performed past recommended holding time.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Deep Wells G-8 Samples
Lab ID: C11110439-008
Client Sample ID: Monitor 9

Revised Date: 02/03/12
Report Date: 01/11/12
Collection Date: 11/07/11
Date Received: 11/10/11
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|-----|-------------|-------------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | 1.3 | pCi/L | | 1.3 | | E909.0 | 12/05/11 11:10 / eli-cs |
| Lead 210 precision (±) | 0.8 | pCi/L | | | | E909.0 | 12/05/11 11:10 / eli-cs |
| Lead 210 MDC | 1.3 | pCi/L | | | | E909.0 | 12/05/11 11:10 / eli-cs |
| Polonium 210 | 0.9 | pCi/L | | 0.7 | | E912.0 | 01/04/12 11:08 / plj |
| Polonium 210 precision (±) | 0.7 | pCi/L | | | | E912.0 | 01/04/12 11:08 / plj |
| Polonium 210 MDC | 0.7 | pCi/L | | | | E912.0 | 01/04/12 11:08 / plj |
| Radium 226 | 0.3 | pCi/L | | 0.1 | | E903.0 | 11/22/11 01:26 / js |
| Radium 226 precision (±) | 0.1 | pCi/L | | | | E903.0 | 11/22/11 01:26 / js |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 11/22/11 01:26 / js |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 12/07/11 09:03 / dmf |
| Thorium 230 precision (±) | 0.09 | pCi/L | | | | E908.0 | 12/07/11 09:03 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 12/07/11 09:03 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.9 | pCi/L | U | 0.9 | | E909.0 | 12/03/11 20:00 / eli-cs |
| Lead 210 precision (±) | 0.6 | pCi/L | | | | E909.0 | 12/03/11 20:00 / eli-cs |
| Lead 210 MDC | 0.9 | pCi/L | | | | E909.0 | 12/03/11 20:00 / eli-cs |
| Polonium 210 | <0.3 | pCi/L | U | 0.3 | | E912.0 | 12/14/11 15:03 / ep |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 12/14/11 15:03 / ep |
| Polonium 210 MDC | 0.3 | pCi/L | | | | E912.0 | 12/14/11 15:03 / ep |
| Radium 226 | <0.1 | pCi/L | U | 0.1 | | E903.0 | 11/24/11 01:21 / js |
| Radium 226 precision (±) | 0.04 | pCi/L | | | | E903.0 | 11/24/11 01:21 / js |
| Radium 226 MDC | 0.1 | pCi/L | | | | E903.0 | 11/24/11 01:21 / js |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 12/07/11 14:29 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 12/07/11 14:29 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 12/07/11 14:29 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | -0.463 | % | | | | Calculation | 01/11/12 07:46 / kbh |
| Anions | 15.7 | meq/L | | | | Calculation | 01/11/12 07:46 / kbh |
| Cations | 15.5 | meq/L | | | | Calculation | 01/11/12 07:46 / kbh |
| Solids, Total Dissolved Calculated | 925 | mg/L | | | | Calculation | 01/11/12 07:46 / kbh |
| TDS Balance (0.80 - 1.20) | 1.02 | | | | | Calculation | 01/11/12 07:46 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Chadron Wells G-8 Samples
Lab ID: C12060209-001
Client Sample ID: Monitor 1

Report Date: 07/06/12
Collection Date: 06/04/12
Date Received: 06/06/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 411 | mg/L | | 5 | | A2320 B | 06/07/12 01:17 / jba |
| Carbonate as CO ₃ | 7 | mg/L | | 5 | | A2320 B | 06/07/12 01:17 / jba |
| Bicarbonate as HCO ₃ | 488 | mg/L | | 5 | | A2320 B | 06/07/12 01:17 / jba |
| Calcium | 5 | mg/L | | 1 | | E200.8 | 06/19/12 14:56 / cp |
| Chloride | 170 | mg/L | | 1 | | E300.0 | 06/12/12 13:56 / wc |
| Fluoride | 0.6 | mg/L | | 0.1 | | A4500-F C | 06/07/12 10:35 / jba |
| Magnesium | 1 | mg/L | | 1 | | E200.8 | 06/19/12 14:56 / cp |
| Nitrogen, Ammonia as N | 0.22 | mg/L | | 0.05 | | A4500-NH ₃ G | 06/08/12 16:17 / ljl |
| Nitrogen, Nitrate+Nitrite as N | ND | mg/L | | 0.1 | | E353.2 | 06/06/12 16:42 / ljl |
| Potassium | 8 | mg/L | | 1 | | E200.8 | 06/19/12 14:56 / cp |
| Silica | 15.2 | mg/L | | 0.2 | | E200.7 | 06/26/12 13:57 / sf |
| Sodium | 307 | mg/L | | 1 | | E200.8 | 06/19/12 14:56 / cp |
| Sulfate | 60 | mg/L | D | 4 | | E300.0 | 06/12/12 13:56 / wc |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 1410 | umhos/cm | | 1 | | A2510 B | 06/07/12 13:37 / ab |
| pH | 8.29 | s.u. | H | 0.01 | | A4500-H B | 06/07/12 13:37 / ab |
| Solids, Total Dissolved TDS @ 180 C | 853 | mg/L | | 10 | | A2540 C | 06/07/12 16:32 / ab |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.8 | 06/12/12 23:21 / cp |
| Arsenic | 0.002 | mg/L | | 0.001 | | E200.8 | 06/12/12 23:21 / cp |
| Barium | ND | mg/L | | 0.1 | | E200.8 | 06/12/12 23:21 / cp |
| Boron | 1.4 | mg/L | | 0.1 | | E200.7 | 06/26/12 13:57 / sf |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 06/12/12 23:21 / cp |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 06/12/12 23:21 / cp |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 06/12/12 23:21 / cp |
| Iron | 0.03 | mg/L | | 0.03 | | E200.8 | 06/19/12 14:56 / cp |
| Lead | 0.001 | mg/L | | 0.001 | | E200.8 | 06/12/12 23:21 / cp |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 06/12/12 23:21 / cp |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 06/19/12 14:56 / cp |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 06/12/12 23:21 / cp |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 06/12/12 23:21 / cp |
| Selenium | 0.002 | mg/L | | 0.001 | | E200.8 | 06/12/12 23:21 / cp |
| Uranium | 0.0062 | mg/L | | 0.0003 | | E200.8 | 06/12/12 23:21 / cp |
| Uranium, Activity | 4.2E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 06/12/12 23:21 / cp |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 06/19/12 14:56 / cp |
| Zinc | 0.03 | mg/L | | 0.01 | | E200.8 | 06/12/12 23:21 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | 0.0295 | mg/L | | 0.0003 | | E200.8 | 06/14/12 21:55 / cp |
| Uranium, Activity | 2.0E-08 | uCi/mL | | 2.0E-10 | | E200.8 | 06/14/12 21:55 / cp |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
H - Analysis performed past recommended holding time.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Chadron Wells G-8 Samples
Lab ID: C12060209-001
Client Sample ID: Monitor 1

Report Date: 07/06/12
Collection Date: 06/04/12
Date Received: 06/06/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|------|-------------|---------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | 39.6 | pCi/L | | 1.1 | | E909.0 | 06/23/12 08:41 / eli-cs |
| Lead 210 precision (±) | 1.2 | pCi/L | | | | E909.0 | 06/23/12 08:41 / eli-cs |
| Lead 210 MDC | 1.1 | pCi/L | | | | E909.0 | 06/23/12 08:41 / eli-cs |
| Polonium 210 | 4.9 | pCi/L | | 0.6 | | E912.0 | 06/22/12 10:07 / dmf |
| Polonium 210 precision (±) | 1.8 | pCi/L | | | | E912.0 | 06/22/12 10:07 / dmf |
| Polonium 210 MDC | 0.6 | pCi/L | | | | E912.0 | 06/22/12 10:07 / dmf |
| Radium 226 | 17 | pCi/L | | 0.17 | | E903.0 | 06/19/12 11:31 / trs |
| Radium 226 precision (±) | 0.83 | pCi/L | | | | E903.0 | 06/19/12 11:31 / trs |
| Radium 226 MDC | 0.17 | pCi/L | | | | E903.0 | 06/19/12 11:31 / trs |
| Thorium 230 | 0.4 | pCi/L | | 0.2 | | E908.0 | 06/15/12 08:38 / dmf |
| Thorium 230 precision (±) | 0.2 | pCi/L | | | | E908.0 | 06/15/12 08:38 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 06/15/12 08:38 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | 44.9 | pCi/L | | 0.8 | | E909.0 | 06/29/12 01:20 / eli-cs |
| Lead 210 precision (±) | 1 | pCi/L | | | | E909.0 | 06/29/12 01:20 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 06/29/12 01:20 / eli-cs |
| Polonium 210 | 14.8 | pCi/L | | 0.6 | | E912.0 | 06/18/12 13:03 / dmf |
| Polonium 210 precision (±) | 5.4 | pCi/L | | | | E912.0 | 06/18/12 13:03 / dmf |
| Polonium 210 MDC | 0.6 | pCi/L | | | | E912.0 | 06/18/12 13:03 / dmf |
| Radium 226 | 17 | pCi/L | | 0.12 | | E903.0 | 06/25/12 08:24 / lbb |
| Radium 226 precision (±) | 0.72 | pCi/L | | | | E903.0 | 06/25/12 08:24 / lbb |
| Radium 226 MDC | 0.12 | pCi/L | | | | E903.0 | 06/25/12 08:24 / lbb |
| Thorium 230 | 10.1 | pCi/L | | 0.1 | | E908.0 | 06/19/12 17:16 / dmf |
| Thorium 230 precision (±) | 1.5 | pCi/L | | | | E908.0 | 06/19/12 17:16 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 06/19/12 17:16 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | -1.19 | % | | | | A1030 E | 06/22/12 06:53 / kbh |
| Anions | 14.3 | meq/L | | | | A1030 E | 06/22/12 06:53 / kbh |
| Cations | 13.9 | meq/L | | | | A1030 E | 06/22/12 06:53 / kbh |
| Solids, Total Dissolved Calculated | 800 | mg/L | | | | A1030 E | 06/22/12 06:53 / kbh |
| TDS Balance (0.80 - 1.20) | 1.07 | | | | | A1030 E | 06/22/12 06:53 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Chadron Wells G-8 Samples
Lab ID: C12060209-009
Client Sample ID: Monitor 10

Report Date: 07/06/12
Collection Date: 06/04/12
Date Received: 06/06/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|--------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 314 | mg/L | | 5 | | A2320 B | 06/07/12 03:03 / jba |
| Carbonate as CO ₃ | 11 | mg/L | | 5 | | A2320 B | 06/07/12 03:03 / jba |
| Bicarbonate as HCO ₃ | 360 | mg/L | | 5 | | A2320 B | 06/07/12 03:03 / jba |
| Calcium | 8 | mg/L | | 1 | | E200.8 | 06/19/12 15:51 / cp |
| Chloride | 141 | mg/L | | 1 | | E300.0 | 06/12/12 16:49 / wc |
| Fluoride | 0.8 | mg/L | | 0.1 | | A4500-F C | 06/07/12 11:17 / jba |
| Magnesium | 2 | mg/L | | 1 | | E200.8 | 06/19/12 15:51 / cp |
| Nitrogen, Ammonia as N | 0.38 | mg/L | | 0.05 | | A4500-NH ₃ G | 06/09/12 13:02 / ljl |
| Nitrogen, Nitrate+Nitrite as N | ND | mg/L | | 0.1 | | E353.2 | 06/06/12 17:07 / ljl |
| Potassium | 11 | mg/L | | 1 | | E200.8 | 06/19/12 15:51 / cp |
| Silica | 18.0 | mg/L | | 0.2 | | E200.7 | 06/26/12 14:41 / sf |
| Sodium | 392 | mg/L | | 1 | | E200.8 | 06/19/12 15:51 / cp |
| Sulfate | 347 | mg/L | D | 4 | | E300.0 | 06/12/12 16:49 / wc |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 1770 | umhos/cm | | 1 | | A2510 B | 06/07/12 14:01 / ab |
| pH | 8.54 | s.u. | H | 0.01 | | A4500-H B | 06/07/12 14:01 / ab |
| Solids, Total Dissolved TDS @ 180 C | 1120 | mg/L | | 10 | | A2540 C | 06/07/12 16:32 / ab |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.8 | 06/13/12 00:03 / cp |
| Arsenic | 0.001 | mg/L | | 0.001 | | E200.8 | 06/13/12 00:03 / cp |
| Barium | ND | mg/L | | 0.1 | | E200.8 | 06/13/12 00:03 / cp |
| Boron | 1.4 | mg/L | | 0.1 | | E200.7 | 06/26/12 14:41 / sf |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 06/13/12 00:03 / cp |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 06/13/12 00:03 / cp |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 06/13/12 00:03 / cp |
| Iron | ND | mg/L | | 0.03 | | E200.8 | 06/19/12 15:51 / cp |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 06/13/12 00:03 / cp |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 06/13/12 00:03 / cp |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 06/19/12 15:51 / cp |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 06/13/12 00:03 / cp |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 06/13/12 00:03 / cp |
| Selenium | 0.001 | mg/L | | 0.001 | | E200.8 | 06/13/12 00:03 / cp |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 06/13/12 00:03 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 06/13/12 00:03 / cp |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 06/19/12 15:51 / cp |
| Zinc | 0.02 | mg/L | | 0.01 | | E200.8 | 06/13/12 00:03 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 06/14/12 22:33 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 06/14/12 22:33 / cp |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
H - Analysis performed past recommended holding time.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Chadron Wells G-8 Samples
Lab ID: C12060209-009
Client Sample ID: Monitor 10

Report Date: 07/06/12
Collection Date: 06/04/12
Date Received: 06/06/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|------|-------------|---------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 06/27/12 12:06 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 06/27/12 12:06 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 06/27/12 12:06 / eli-cs |
| Polonium 210 | 2.1 | pCi/L | | 0.5 | | E912.0 | 06/22/12 10:07 / dmf |
| Polonium 210 precision (±) | 1.0 | pCi/L | | | | E912.0 | 06/22/12 10:07 / dmf |
| Polonium 210 MDC | 0.5 | pCi/L | | | | E912.0 | 06/22/12 10:07 / dmf |
| Radium 226 | 6.6 | pCi/L | | 0.17 | | E903.0 | 06/19/12 13:14 / trs |
| Radium 226 precision (±) | 0.53 | pCi/L | | | | E903.0 | 06/19/12 13:14 / trs |
| Radium 226 MDC | 0.17 | pCi/L | | | | E903.0 | 06/19/12 13:14 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 06/15/12 08:38 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 06/15/12 08:38 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 06/15/12 08:38 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 06/29/12 18:00 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 06/29/12 18:00 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 06/29/12 18:00 / eli-cs |
| Polonium 210 | <0.4 | pCi/L | U | 0.4 | | E912.0 | 06/18/12 14:58 / dmf |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 06/18/12 14:58 / dmf |
| Polonium 210 MDC | 0.4 | pCi/L | | | | E912.0 | 06/18/12 14:58 / dmf |
| Radium 226 | 0.11 | pCi/L | | 0.11 | | E903.0 | 06/25/12 10:26 / lbb |
| Radium 226 precision (±) | 0.08 | pCi/L | | | | E903.0 | 06/25/12 10:26 / lbb |
| Radium 226 MDC | 0.11 | pCi/L | | | | E903.0 | 06/25/12 10:26 / lbb |
| Thorium 230 | 0.2 | pCi/L | | 0.08 | | E908.0 | 06/19/12 17:16 / dmf |
| Thorium 230 precision (±) | 0.1 | pCi/L | | | | E908.0 | 06/19/12 17:16 / dmf |
| Thorium 230 MDC | 0.08 | pCi/L | | | | E908.0 | 06/19/12 17:16 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 1.40 | % | | | | A1030 E | 06/22/12 06:54 / kbh |
| Anions | 17.5 | meq/L | | | | A1030 E | 06/22/12 06:54 / kbh |
| Cations | 18.0 | meq/L | | | | A1030 E | 06/22/12 06:54 / kbh |
| Solids, Total Dissolved Calculated | 1100 | mg/L | | | | A1030 E | 06/22/12 06:54 / kbh |
| TDS Balance (0.80 - 1.20) | 1.03 | | | | | A1030 E | 06/22/12 06:54 / kbh |

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

MDC - Minimum detectable concentration

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Chadron Wells G-8 Samples
Lab ID: C12060209-010
Client Sample ID: Monitor 11

Report Date: 07/06/12
Collection Date: 06/04/12
Date Received: 06/06/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 365 | mg/L | | 5 | | A2320 B | 06/07/12 03:13 / jba |
| Carbonate as CO ₃ | 21 | mg/L | | 5 | | A2320 B | 06/07/12 03:13 / jba |
| Bicarbonate as HCO ₃ | 403 | mg/L | | 5 | | A2320 B | 06/07/12 03:13 / jba |
| Calcium | 8 | mg/L | | 1 | | E200.8 | 06/19/12 15:55 / cp |
| Chloride | 292 | mg/L | D | 2 | | E300.0 | 06/16/12 00:59 / wc |
| Fluoride | 0.7 | mg/L | | 0.1 | | A4500-F C | 06/07/12 11:26 / jba |
| Magnesium | 2 | mg/L | | 1 | | E200.8 | 06/19/12 15:55 / cp |
| Nitrogen, Ammonia as N | 0.32 | mg/L | | 0.05 | | A4500-NH ₃ G | 06/09/12 13:04 / ljl |
| Nitrogen, Nitrate+Nitrite as N | ND | mg/L | | 0.1 | | E353.2 | 06/06/12 17:15 / ljl |
| Potassium | 21 | mg/L | | 1 | | E200.8 | 06/19/12 15:55 / cp |
| Silica | 14.7 | mg/L | | 0.2 | | E200.7 | 06/26/12 14:54 / sf |
| Sodium | 403 | mg/L | | 1 | | E200.8 | 06/19/12 15:55 / cp |
| Sulfate | 131 | mg/L | D | 4 | | E300.0 | 06/12/12 17:03 / wc |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 1890 | umhos/cm | | 1 | | A2510 B | 06/07/12 14:04 / ab |
| pH | 8.85 | s.u. | H | 0.01 | | A4500-H B | 06/07/12 14:04 / ab |
| Solids, Total Dissolved TDS @ 180 C | 1130 | mg/L | | 10 | | A2540 C | 06/07/12 16:32 / ab |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.8 | 06/13/12 00:06 / cp |
| Arsenic | 0.003 | mg/L | | 0.001 | | E200.8 | 06/13/12 00:06 / cp |
| Barium | ND | mg/L | | 0.1 | | E200.8 | 06/13/12 00:06 / cp |
| Boron | 1.4 | mg/L | | 0.1 | | E200.7 | 06/26/12 14:54 / sf |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 06/13/12 00:06 / cp |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 06/13/12 00:06 / cp |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 06/13/12 00:06 / cp |
| Iron | ND | mg/L | | 0.03 | | E200.8 | 06/19/12 15:55 / cp |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 06/13/12 00:06 / cp |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 06/13/12 00:06 / cp |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 06/19/12 15:55 / cp |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 06/13/12 00:06 / cp |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 06/13/12 00:06 / cp |
| Selenium | 0.002 | mg/L | | 0.001 | | E200.8 | 06/13/12 00:06 / cp |
| Uranium | 0.0007 | mg/L | | 0.0003 | | E200.8 | 06/13/12 00:06 / cp |
| Uranium, Activity | 4.8E-10 | uCi/mL | | 2.0E-10 | | E200.8 | 06/13/12 00:06 / cp |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 06/19/12 15:55 / cp |
| Zinc | ND | mg/L | | 0.01 | | E200.8 | 06/13/12 00:06 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 06/14/12 22:46 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 06/14/12 22:46 / cp |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
H - Analysis performed past recommended holding time.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Chadron Wells G-8 Samples
Lab ID: C12060209-010
Client Sample ID: Monitor 11

Report Date: 07/06/12
Collection Date: 06/04/12
Date Received: 06/06/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|------|-------------|---------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 06/27/12 15:26 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 06/27/12 15:26 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 06/27/12 15:26 / eli-cs |
| Polonium 210 | <0.5 | pCi/L | U | 0.5 | | E912.0 | 06/22/12 10:07 / dmf |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 06/22/12 10:07 / dmf |
| Polonium 210 MDC | 0.5 | pCi/L | | | | E912.0 | 06/22/12 10:07 / dmf |
| Radium 226 | 2.4 | pCi/L | | 0.17 | | E903.0 | 06/19/12 13:14 / trs |
| Radium 226 precision (±) | 0.32 | pCi/L | | | | E903.0 | 06/19/12 13:14 / trs |
| Radium 226 MDC | 0.17 | pCi/L | | | | E903.0 | 06/19/12 13:14 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 06/15/12 08:38 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 06/15/12 08:38 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 06/15/12 08:38 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 06/29/12 20:05 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 06/29/12 20:05 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 06/29/12 20:05 / eli-cs |
| Polonium 210 | <0.4 | pCi/L | U | 0.4 | | E912.0 | 06/18/12 14:58 / dmf |
| Polonium 210 precision (±) | 0.1 | pCi/L | | | | E912.0 | 06/18/12 14:58 / dmf |
| Polonium 210 MDC | 0.4 | pCi/L | | | | E912.0 | 06/18/12 14:58 / dmf |
| Radium 226 | <0.12 | pCi/L | U | 0.12 | | E903.0 | 06/25/12 10:26 / lbb |
| Radium 226 precision (±) | 0.07 | pCi/L | | | | E903.0 | 06/25/12 10:26 / lbb |
| Radium 226 MDC | 0.12 | pCi/L | | | | E903.0 | 06/25/12 10:26 / lbb |
| Thorium 230 | <0.09 | pCi/L | U | 0.09 | | E908.0 | 06/19/12 17:16 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 06/19/12 17:16 / dmf |
| Thorium 230 MDC | 0.09 | pCi/L | | | | E908.0 | 06/19/12 17:16 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 0.897 | % | | | | A1030 E | 06/22/12 06:54 / kbh |
| Anions | 18.3 | meq/L | | | | A1030 E | 06/22/12 06:54 / kbh |
| Cations | 18.6 | meq/L | | | | A1030 E | 06/22/12 06:54 / kbh |
| Solids, Total Dissolved Calculated | 1100 | mg/L | | | | A1030 E | 06/22/12 06:54 / kbh |
| TDS Balance (0.80 - 1.20) | 1.05 | | | | | A1030 E | 06/22/12 06:54 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Chadron Wells G-8 Samples
Lab ID: C12060209-002
Client Sample ID: Monitor 2

Report Date: 07/06/12
Collection Date: 06/04/12
Date Received: 06/06/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 398 | mg/L | | 5 | | A2320 B | 06/07/12 01:25 / jba |
| Carbonate as CO ₃ | 5 | mg/L | | 5 | | A2320 B | 06/07/12 01:25 / jba |
| Bicarbonate as HCO ₃ | 475 | mg/L | | 5 | | A2320 B | 06/07/12 01:25 / jba |
| Calcium | 5 | mg/L | | 1 | | E200.8 | 06/19/12 15:00 / cp |
| Chloride | 161 | mg/L | | 1 | | E300.0 | 06/12/12 14:10 / wc |
| Fluoride | 0.6 | mg/L | | 0.1 | | A4500-F C | 06/07/12 10:38 / jba |
| Magnesium | 1 | mg/L | | 1 | | E200.8 | 06/19/12 15:00 / cp |
| Nitrogen, Ammonia as N | 0.24 | mg/L | | 0.05 | | A4500-NH ₃ G | 06/08/12 16:19 / ljl |
| Nitrogen, Nitrate+Nitrite as N | ND | mg/L | | 0.1 | | E353.2 | 06/06/12 16:45 / ljl |
| Potassium | 8 | mg/L | | 1 | | E200.8 | 06/19/12 15:00 / cp |
| Silica | 17.2 | mg/L | | 0.2 | | E200.7 | 06/26/12 14:01 / sf |
| Sodium | 298 | mg/L | | 1 | | E200.8 | 06/19/12 15:00 / cp |
| Sulfate | 56 | mg/L | D | 4 | | E300.0 | 06/12/12 14:10 / wc |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 1380 | umhos/cm | | 1 | | A2510 B | 06/07/12 13:40 / ab |
| pH | 8.29 | s.u. | H | 0.01 | | A4500-H B | 06/07/12 13:40 / ab |
| Solids, Total Dissolved TDS @ 180 C | 818 | mg/L | | 10 | | A2540 C | 06/07/12 16:32 / ab |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.8 | 06/12/12 23:23 / cp |
| Arsenic | 0.002 | mg/L | | 0.001 | | E200.8 | 06/12/12 23:23 / cp |
| Barium | ND | mg/L | | 0.1 | | E200.8 | 06/12/12 23:23 / cp |
| Boron | 1.5 | mg/L | | 0.1 | | E200.7 | 06/26/12 14:01 / sf |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 06/12/12 23:23 / cp |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 06/12/12 23:23 / cp |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 06/12/12 23:23 / cp |
| Iron | ND | mg/L | | 0.03 | | E200.8 | 06/19/12 15:00 / cp |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 06/12/12 23:23 / cp |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 06/12/12 23:23 / cp |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 06/19/12 15:00 / cp |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 06/12/12 23:23 / cp |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 06/12/12 23:23 / cp |
| Selenium | 0.002 | mg/L | | 0.001 | | E200.8 | 06/12/12 23:23 / cp |
| Uranium | 0.0021 | mg/L | | 0.0003 | | E200.8 | 06/12/12 23:23 / cp |
| Uranium, Activity | 1.4E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 06/12/12 23:23 / cp |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 06/19/12 15:00 / cp |
| Zinc | 0.05 | mg/L | | 0.01 | | E200.8 | 06/12/12 23:23 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | 0.0003 | mg/L | | 0.0003 | | E200.8 | 06/14/12 22:15 / cp |
| Uranium, Activity | 2.1E-10 | uCi/mL | | 2.0E-10 | | E200.8 | 06/14/12 22:15 / cp |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
H - Analysis performed past recommended holding time.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Chadron Wells G-8 Samples
Lab ID: C12060209-002
Client Sample ID: Monitor 2

Report Date: 07/06/12
Collection Date: 06/04/12
Date Received: 06/06/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|------|-------------|---------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 06/26/12 12:33 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 06/26/12 12:33 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 06/26/12 12:33 / eli-cs |
| Polonium 210 | <0.5 | pCi/L | U | 0.5 | | E912.0 | 06/22/12 10:07 / dmf |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 06/22/12 10:07 / dmf |
| Polonium 210 MDC | 0.5 | pCi/L | | | | E912.0 | 06/22/12 10:07 / dmf |
| Radium 226 | 1.9 | pCi/L | | 0.16 | | E903.0 | 06/19/12 11:31 / trs |
| Radium 226 precision (±) | 0.28 | pCi/L | | | | E903.0 | 06/19/12 11:31 / trs |
| Radium 226 MDC | 0.16 | pCi/L | | | | E903.0 | 06/19/12 11:31 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 06/15/12 08:38 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 06/15/12 08:38 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 06/15/12 08:38 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 06/29/12 03:25 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 06/29/12 03:25 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 06/29/12 03:25 / eli-cs |
| Polonium 210 | <0.3 | pCi/L | U | 0.3 | | E912.0 | 06/18/12 13:03 / dmf |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 06/18/12 13:03 / dmf |
| Polonium 210 MDC | 0.3 | pCi/L | | | | E912.0 | 06/18/12 13:03 / dmf |
| Radium 226 | 0.32 | pCi/L | | 0.13 | | E903.0 | 06/25/12 08:24 / lbb |
| Radium 226 precision (±) | 0.13 | pCi/L | | | | E903.0 | 06/25/12 08:24 / lbb |
| Radium 226 MDC | 0.13 | pCi/L | | | | E903.0 | 06/25/12 08:24 / lbb |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 06/19/12 17:16 / dmf |
| Thorium 230 precision (±) | 0.09 | pCi/L | | | | E908.0 | 06/19/12 17:16 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 06/19/12 17:16 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | -0.691 | % | | | | A1030 E | 06/22/12 06:53 / kbh |
| Anions | 13.7 | meq/L | | | | A1030 E | 06/22/12 06:53 / kbh |
| Cations | 13.6 | meq/L | | | | A1030 E | 06/22/12 06:53 / kbh |
| Solids, Total Dissolved Calculated | 770 | mg/L | | | | A1030 E | 06/22/12 06:53 / kbh |
| TDS Balance (0.80 - 1.20) | 1.06 | | | | | A1030 E | 06/22/12 06:53 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Chadron Wells G-8 Samples
Lab ID: C12060209-003
Client Sample ID: Monitor 4A

Report Date: 07/06/12
Collection Date: 06/04/12
Date Received: 06/06/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 360 | mg/L | | 5 | | A2320 B | 06/07/12 01:34 / jba |
| Carbonate as CO ₃ | 17 | mg/L | | 5 | | A2320 B | 06/07/12 01:34 / jba |
| Bicarbonate as HCO ₃ | 405 | mg/L | | 5 | | A2320 B | 06/07/12 01:34 / jba |
| Calcium | 5 | mg/L | | 1 | | E200.8 | 06/19/12 15:05 / cp |
| Chloride | 209 | mg/L | | 1 | | E300.0 | 06/12/12 14:24 / wc |
| Fluoride | 0.8 | mg/L | | 0.1 | | A4500-F C | 06/07/12 10:41 / jba |
| Magnesium | 1 | mg/L | | 1 | | E200.8 | 06/19/12 15:05 / cp |
| Nitrogen, Ammonia as N | 0.33 | mg/L | | 0.05 | | A4500-NH ₃ G | 06/08/12 16:21 / ljl |
| Nitrogen, Nitrate+Nitrite as N | ND | mg/L | | 0.1 | | E353.2 | 06/06/12 16:47 / ljl |
| Potassium | 16 | mg/L | | 1 | | E200.8 | 06/19/12 15:05 / cp |
| Silica | 18.1 | mg/L | | 0.2 | | E200.7 | 06/26/12 14:05 / sf |
| Sodium | 340 | mg/L | | 1 | | E200.8 | 06/19/12 15:05 / cp |
| Sulfate | 115 | mg/L | D | 4 | | E300.0 | 06/12/12 14:24 / wc |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 1580 | umhos/cm | | 1 | | A2510 B | 06/07/12 13:42 / ab |
| pH | 8.78 | s.u. | H | 0.01 | | A4500-H B | 06/07/12 13:42 / ab |
| Solids, Total Dissolved TDS @ 180 C | 951 | mg/L | | 10 | | A2540 C | 06/07/12 16:32 / ab |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.8 | 06/12/12 23:26 / cp |
| Arsenic | 0.003 | mg/L | | 0.001 | | E200.8 | 06/12/12 23:26 / cp |
| Barium | ND | mg/L | | 0.1 | | E200.8 | 06/12/12 23:26 / cp |
| Boron | 1.4 | mg/L | | 0.1 | | E200.7 | 06/26/12 14:05 / sf |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 06/12/12 23:26 / cp |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 06/12/12 23:26 / cp |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 06/12/12 23:26 / cp |
| Iron | ND | mg/L | | 0.03 | | E200.8 | 06/19/12 15:05 / cp |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 06/12/12 23:26 / cp |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 06/12/12 23:26 / cp |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 06/19/12 15:05 / cp |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 06/12/12 23:26 / cp |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 06/12/12 23:26 / cp |
| Selenium | 0.002 | mg/L | | 0.001 | | E200.8 | 06/12/12 23:26 / cp |
| Uranium | 0.0475 | mg/L | | 0.0003 | | E200.8 | 06/12/12 23:26 / cp |
| Uranium, Activity | 3.2E-08 | uCi/mL | | 2.0E-10 | | E200.8 | 06/12/12 23:26 / cp |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 06/19/12 15:05 / cp |
| Zinc | ND | mg/L | | 0.01 | | E200.8 | 06/12/12 23:26 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | 0.0005 | mg/L | | 0.0003 | | E200.8 | 06/14/12 22:18 / cp |
| Uranium, Activity | 3.6E-10 | uCi/mL | | 2.0E-10 | | E200.8 | 06/14/12 22:18 / cp |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
H - Analysis performed past recommended holding time.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Chadron Wells G-8 Samples
Lab ID: C12060209-003
Client Sample ID: Monitor 4A

Report Date: 07/06/12
Collection Date: 06/04/12
Date Received: 06/06/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|------|-------------|---------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | 604 | pCi/L | | 1.1 | | E909.0 | 06/23/12 13:11 / eli-cs |
| Lead 210 precision (±) | 4.1 | pCi/L | | | | E909.0 | 06/23/12 13:11 / eli-cs |
| Lead 210 MDC | 1.1 | pCi/L | | | | E909.0 | 06/23/12 13:11 / eli-cs |
| Polonium 210 | 104 | pCi/L | | 0.5 | | E912.0 | 06/22/12 10:07 / dmf |
| Polonium 210 precision (±) | 21.1 | pCi/L | | | | E912.0 | 06/22/12 10:07 / dmf |
| Polonium 210 MDC | 0.5 | pCi/L | | | | E912.0 | 06/22/12 10:07 / dmf |
| Radium 226 | 390 | pCi/L | | 0.17 | | E903.0 | 06/19/12 11:31 / trs |
| Radium 226 precision (±) | 4.0 | pCi/L | | | | E903.0 | 06/19/12 11:31 / trs |
| Radium 226 MDC | 0.17 | pCi/L | | | | E903.0 | 06/19/12 11:31 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 06/15/12 08:38 / dmf |
| Thorium 230 precision (±) | 0.09 | pCi/L | | | | E908.0 | 06/15/12 08:38 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 06/15/12 08:38 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | 17.6 | pCi/L | | 0.8 | | E909.0 | 06/29/12 05:30 / eli-cs |
| Lead 210 precision (±) | 0.7 | pCi/L | | | | E909.0 | 06/29/12 05:30 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 06/29/12 05:30 / eli-cs |
| Polonium 210 | 4.5 | pCi/L | | 0.3 | | E912.0 | 06/18/12 13:03 / dmf |
| Polonium 210 precision (±) | 1.6 | pCi/L | | | | E912.0 | 06/18/12 13:03 / dmf |
| Polonium 210 MDC | 0.3 | pCi/L | | | | E912.0 | 06/18/12 13:03 / dmf |
| Radium 226 | 0.32 | pCi/L | | 0.11 | | E903.0 | 06/25/12 08:24 / lbb |
| Radium 226 precision (±) | 0.11 | pCi/L | | | | E903.0 | 06/25/12 08:24 / lbb |
| Radium 226 MDC | 0.11 | pCi/L | | | | E903.0 | 06/25/12 08:24 / lbb |
| Thorium 230 | 0.4 | pCi/L | | 0.1 | | E908.0 | 06/19/12 17:16 / dmf |
| Thorium 230 precision (±) | 0.1 | pCi/L | | | | E908.0 | 06/19/12 17:16 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 06/19/12 17:16 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 0.175 | % | | | | A1030 E | 06/22/12 06:54 / kbh |
| Anions | 15.5 | meq/L | | | | A1030 E | 06/22/12 06:54 / kbh |
| Cations | 15.6 | meq/L | | | | A1030 E | 06/22/12 06:54 / kbh |
| Solids, Total Dissolved Calculated | 900 | mg/L | | | | A1030 E | 06/22/12 06:54 / kbh |
| TDS Balance (0.80 - 1.20) | 1.05 | | | | | A1030 E | 06/22/12 06:54 / kbh |

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

MDC - Minimum detectable concentration

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Chadron Wells G-8 Samples
Lab ID: C12060209-004
Client Sample ID: Monitor 5

Report Date: 07/06/12
Collection Date: 06/04/12
Date Received: 06/06/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 260 | mg/L | | 5 | | A2320 B | 06/07/12 02:05 / jba |
| Carbonate as CO ₃ | 43 | mg/L | | 5 | | A2320 B | 06/07/12 02:05 / jba |
| Bicarbonate as HCO ₃ | 231 | mg/L | | 5 | | A2320 B | 06/07/12 02:05 / jba |
| Calcium | 7 | mg/L | | 1 | | E200.8 | 06/19/12 15:09 / cp |
| Chloride | 254 | mg/L | D | 2 | | E300.0 | 06/13/12 21:42 / wc |
| Fluoride | 0.7 | mg/L | | 0.1 | | A4500-F C | 06/07/12 10:43 / jba |
| Magnesium | 2 | mg/L | | 1 | | E200.8 | 06/19/12 15:09 / cp |
| Nitrogen, Ammonia as N | 0.41 | mg/L | | 0.05 | | A4500-NH ₃ G | 06/08/12 16:23 / ljl |
| Nitrogen, Nitrate+Nitrite as N | ND | mg/L | | 0.1 | | E353.2 | 06/06/12 16:50 / ljl |
| Potassium | 27 | mg/L | | 1 | | E200.8 | 06/19/12 15:09 / cp |
| Silica | 22.9 | mg/L | | 0.2 | | E200.7 | 06/26/12 14:09 / sf |
| Sodium | 421 | mg/L | | 1 | | E200.8 | 06/19/12 15:09 / cp |
| Sulfate | 308 | mg/L | D | 4 | | E300.0 | 06/12/12 14:39 / wc |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 2010 | umhos/cm | | 1 | | A2510 B | 06/07/12 13:45 / ab |
| pH | 9.48 | s.u. | H | 0.01 | | A4500-H B | 06/07/12 13:45 / ab |
| Solids, Total Dissolved TDS @ 180 C | 1270 | mg/L | | 10 | | A2540 C | 06/07/12 16:32 / ab |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | 0.1 | mg/L | | 0.1 | | E200.8 | 06/12/12 23:29 / cp |
| Arsenic | 0.002 | mg/L | | 0.001 | | E200.8 | 06/12/12 23:29 / cp |
| Barium | ND | mg/L | | 0.1 | | E200.8 | 06/12/12 23:29 / cp |
| Boron | 1.3 | mg/L | | 0.1 | | E200.7 | 06/26/12 14:09 / sf |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 06/12/12 23:29 / cp |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 06/12/12 23:29 / cp |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 06/12/12 23:29 / cp |
| Iron | ND | mg/L | | 0.03 | | E200.8 | 06/19/12 15:09 / cp |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 06/12/12 23:29 / cp |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 06/12/12 23:29 / cp |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 06/19/12 15:09 / cp |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 06/12/12 23:29 / cp |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 06/12/12 23:29 / cp |
| Selenium | 0.003 | mg/L | | 0.001 | | E200.8 | 06/12/12 23:29 / cp |
| Uranium | 0.0006 | mg/L | | 0.0003 | | E200.8 | 06/12/12 23:29 / cp |
| Uranium, Activity | 3.9E-10 | uCi/mL | | 2.0E-10 | | E200.8 | 06/12/12 23:29 / cp |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 06/19/12 15:09 / cp |
| Zinc | ND | mg/L | | 0.01 | | E200.8 | 06/12/12 23:29 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 06/14/12 22:20 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 06/14/12 22:20 / cp |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
H - Analysis performed past recommended holding time.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Chadron Wells G-8 Samples
Lab ID: C12060209-004
Client Sample ID: Monitor 5

Report Date: 07/06/12
Collection Date: 06/04/12
Date Received: 06/06/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|------|-------------|---------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 06/26/12 15:53 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 06/26/12 15:53 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 06/26/12 15:53 / eli-cs |
| Polonium 210 | <0.5 | pCi/L | U | 0.5 | | E912.0 | 06/22/12 10:07 / dmf |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 06/22/12 10:07 / dmf |
| Polonium 210 MDC | 0.5 | pCi/L | | | | E912.0 | 06/22/12 10:07 / dmf |
| Radium 226 | 3.4 | pCi/L | | 0.17 | | E903.0 | 06/19/12 11:31 / trs |
| Radium 226 precision (±) | 0.39 | pCi/L | | | | E903.0 | 06/19/12 11:31 / trs |
| Radium 226 MDC | 0.17 | pCi/L | | | | E903.0 | 06/19/12 11:31 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 06/15/12 08:38 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 06/15/12 08:38 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 06/15/12 08:38 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 06/29/12 07:35 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 06/29/12 07:35 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 06/29/12 07:35 / eli-cs |
| Polonium 210 | <0.3 | pCi/L | U | 0.3 | | E912.0 | 06/18/12 13:03 / dmf |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 06/18/12 13:03 / dmf |
| Polonium 210 MDC | 0.3 | pCi/L | | | | E912.0 | 06/18/12 13:03 / dmf |
| Radium 226 | <0.13 | pCi/L | U | 0.13 | | E903.0 | 06/25/12 10:26 / lbb |
| Radium 226 precision (±) | 0.07 | pCi/L | | | | E903.0 | 06/25/12 10:26 / lbb |
| Radium 226 MDC | 0.13 | pCi/L | | | | E903.0 | 06/25/12 10:26 / lbb |
| Thorium 230 | <0.09 | pCi/L | U | 0.09 | | E908.0 | 06/19/12 17:16 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 06/19/12 17:16 / dmf |
| Thorium 230 MDC | 0.09 | pCi/L | | | | E908.0 | 06/19/12 17:16 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 1.17 | % | | | | A1030 E | 06/22/12 06:54 / kbh |
| Anions | 19.1 | meq/L | | | | A1030 E | 06/22/12 06:54 / kbh |
| Cations | 19.6 | meq/L | | | | A1030 E | 06/22/12 06:54 / kbh |
| Solids, Total Dissolved Calculated | 1200 | mg/L | | | | A1030 E | 06/22/12 06:54 / kbh |
| TDS Balance (0.80 - 1.20) | 1.07 | | | | | A1030 E | 06/22/12 06:54 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Chadron Wells G-8 Samples
Lab ID: C12060209-005
Client Sample ID: Monitor 6

Report Date: 07/06/12
Collection Date: 06/04/12
Date Received: 06/06/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 301 | mg/L | | 5 | | A2320 B | 06/07/12 02:22 / jba |
| Carbonate as CO ₃ | 16 | mg/L | | 5 | | A2320 B | 06/07/12 02:22 / jba |
| Bicarbonate as HCO ₃ | 334 | mg/L | | 5 | | A2320 B | 06/07/12 02:22 / jba |
| Calcium | 21 | mg/L | | 1 | | E200.8 | 06/19/12 15:14 / cp |
| Chloride | 332 | mg/L | D | 5 | | E300.0 | 06/13/12 21:57 / wc |
| Fluoride | 0.8 | mg/L | | 0.1 | | A4500-F C | 06/07/12 10:47 / jba |
| Magnesium | 1 | mg/L | | 1 | | E200.8 | 06/19/12 15:14 / cp |
| Nitrogen, Ammonia as N | 0.43 | mg/L | | 0.05 | | A4500-NH ₃ G | 06/08/12 16:25 / ljl |
| Nitrogen, Nitrate+Nitrite as N | ND | mg/L | | 0.1 | | E353.2 | 06/06/12 16:52 / ljl |
| Potassium | 18 | mg/L | | 1 | | E200.8 | 06/19/12 15:14 / cp |
| Silica | 16.9 | mg/L | | 0.2 | | E200.7 | 06/26/12 14:25 / sf |
| Sodium | 354 | mg/L | | 1 | | E200.8 | 06/19/12 15:14 / cp |
| Sulfate | 55 | mg/L | D | 4 | | E300.0 | 06/12/12 15:22 / wc |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 1750 | umhos/cm | | 1 | | A2510 B | 06/07/12 13:50 / ab |
| pH | 8.89 | s.u. | H | 0.01 | | A4500-H B | 06/07/12 13:50 / ab |
| Solids, Total Dissolved TDS @ 180 C | 995 | mg/L | | 10 | | A2540 C | 06/07/12 16:32 / ab |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.8 | 06/12/12 23:32 / cp |
| Arsenic | 0.001 | mg/L | | 0.001 | | E200.8 | 06/12/12 23:32 / cp |
| Barium | 0.2 | mg/L | | 0.1 | | E200.8 | 06/12/12 23:32 / cp |
| Boron | 1.4 | mg/L | | 0.1 | | E200.7 | 06/26/12 14:25 / sf |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 06/12/12 23:32 / cp |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 06/12/12 23:32 / cp |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 06/12/12 23:32 / cp |
| Iron | ND | mg/L | | 0.03 | | E200.8 | 06/19/12 15:14 / cp |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 06/12/12 23:32 / cp |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 06/12/12 23:32 / cp |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 06/19/12 15:14 / cp |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 06/12/12 23:32 / cp |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 06/12/12 23:32 / cp |
| Selenium | 0.003 | mg/L | | 0.001 | | E200.8 | 06/12/12 23:32 / cp |
| Uranium | 0.0011 | mg/L | | 0.0003 | | E200.8 | 06/12/12 23:32 / cp |
| Uranium, Activity | 7.3E-10 | uCi/mL | | 2.0E-10 | | E200.8 | 06/12/12 23:32 / cp |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 06/19/12 15:14 / cp |
| Zinc | ND | mg/L | | 0.01 | | E200.8 | 06/12/12 23:32 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 06/14/12 22:23 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 06/14/12 22:23 / cp |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
H - Analysis performed past recommended holding time.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Chadron Wells G-8 Samples
Lab ID: C12060209-005
Client Sample ID: Monitor 6

Report Date: 07/06/12
Collection Date: 06/04/12
Date Received: 06/06/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|------|-------------|---------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 06/26/12 19:14 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 06/26/12 19:14 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 06/26/12 19:14 / eli-cs |
| Polonium 210 | <0.9 | pCi/L | U | 0.9 | | E912.0 | 06/22/12 10:07 / dmf |
| Polonium 210 precision (±) | 0.4 | pCi/L | | | | E912.0 | 06/22/12 10:07 / dmf |
| Polonium 210 MDC | 0.9 | pCi/L | | | | E912.0 | 06/22/12 10:07 / dmf |
| Radium 226 | 9.0 | pCi/L | | 0.17 | | E903.0 | 06/19/12 11:31 / trs |
| Radium 226 precision (±) | 0.61 | pCi/L | | | | E903.0 | 06/19/12 11:31 / trs |
| Radium 226 MDC | 0.17 | pCi/L | | | | E903.0 | 06/19/12 11:31 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 06/15/12 08:38 / dmf |
| Thorium 230 precision (±) | 0.09 | pCi/L | | | | E908.0 | 06/15/12 08:38 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 06/15/12 08:38 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 06/29/12 09:40 / eli-cs |
| Lead 210 precision (±) | 0.4 | pCi/L | | | | E909.0 | 06/29/12 09:40 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 06/29/12 09:40 / eli-cs |
| Polonium 210 | <0.5 | pCi/L | U | 0.5 | | E912.0 | 06/18/12 13:03 / dmf |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 06/18/12 13:03 / dmf |
| Polonium 210 MDC | 0.5 | pCi/L | | | | E912.0 | 06/18/12 13:03 / dmf |
| Radium 226 | <0.12 | pCi/L | U | 0.12 | | E903.0 | 06/25/12 10:26 / lbb |
| Radium 226 precision (±) | 0.09 | pCi/L | | | | E903.0 | 06/25/12 10:26 / lbb |
| Radium 226 MDC | 0.12 | pCi/L | | | | E903.0 | 06/25/12 10:26 / lbb |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 06/19/12 17:16 / dmf |
| Thorium 230 precision (±) | 0.08 | pCi/L | | | | E908.0 | 06/19/12 17:16 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 06/19/12 17:16 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 1.53 | % | | | | A1030 E | 06/22/12 06:54 / kbh |
| Anions | 16.6 | meq/L | | | | A1030 E | 06/22/12 06:54 / kbh |
| Cations | 17.1 | meq/L | | | | A1030 E | 06/22/12 06:54 / kbh |
| Solids, Total Dissolved Calculated | 960 | mg/L | | | | A1030 E | 06/22/12 06:54 / kbh |
| TDS Balance (0.80 - 1.20) | 1.03 | | | | | A1030 E | 06/22/12 06:54 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Chadron Wells G-8 Samples
Lab ID: C12060209-006
Client Sample ID: Monitor 7

Report Date: 07/06/12
Collection Date: 06/04/12
Date Received: 06/06/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|--------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 301 | mg/L | | 5 | | A2320 B | 06/07/12 02:38 / jba |
| Carbonate as CO ₃ | 14 | mg/L | | 5 | | A2320 B | 06/07/12 02:38 / jba |
| Bicarbonate as HCO ₃ | 338 | mg/L | | 5 | | A2320 B | 06/07/12 02:38 / jba |
| Calcium | 10 | mg/L | | 1 | | E200.8 | 06/19/12 15:19 / cp |
| Chloride | 188 | mg/L | | 1 | | E300.0 | 06/12/12 16:05 / wc |
| Fluoride | 0.8 | mg/L | | 0.1 | | A4500-F C | 06/07/12 10:49 / jba |
| Magnesium | 2 | mg/L | | 1 | | E200.8 | 06/19/12 15:19 / cp |
| Nitrogen, Ammonia as N | 0.29 | mg/L | | 0.05 | | A4500-NH ₃ G | 06/08/12 16:27 / ljl |
| Nitrogen, Nitrate+Nitrite as N | ND | mg/L | | 0.1 | | E353.2 | 06/06/12 16:55 / ljl |
| Potassium | 15 | mg/L | | 1 | | E200.8 | 06/19/12 15:19 / cp |
| Silica | 18.5 | mg/L | | 0.2 | | E200.7 | 06/26/12 14:29 / sf |
| Sodium | 386 | mg/L | | 1 | | E200.8 | 06/19/12 15:19 / cp |
| Sulfate | 306 | mg/L | D | 4 | | E300.0 | 06/12/12 16:05 / wc |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 1810 | umhos/cm | | 1 | | A2510 B | 06/07/12 13:53 / ab |
| pH | 8.76 | s.u. | H | 0.01 | | A4500-H B | 06/07/12 13:53 / ab |
| Solids, Total Dissolved TDS @ 180 C | 1130 | mg/L | | 10 | | A2540 C | 06/07/12 16:32 / ab |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.8 | 06/12/12 23:35 / cp |
| Arsenic | 0.002 | mg/L | | 0.001 | | E200.8 | 06/12/12 23:35 / cp |
| Barium | ND | mg/L | | 0.1 | | E200.8 | 06/12/12 23:35 / cp |
| Boron | 1.5 | mg/L | | 0.1 | | E200.7 | 06/26/12 14:29 / sf |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 06/12/12 23:35 / cp |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 06/12/12 23:35 / cp |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 06/12/12 23:35 / cp |
| Iron | ND | mg/L | | 0.03 | | E200.8 | 06/19/12 15:19 / cp |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 06/12/12 23:35 / cp |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 06/12/12 23:35 / cp |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 06/19/12 15:19 / cp |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 06/12/12 23:35 / cp |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 06/12/12 23:35 / cp |
| Selenium | 0.002 | mg/L | | 0.001 | | E200.8 | 06/12/12 23:35 / cp |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 06/12/12 23:35 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 06/12/12 23:35 / cp |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 06/19/12 15:19 / cp |
| Zinc | ND | mg/L | | 0.01 | | E200.8 | 06/12/12 23:35 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 06/14/12 22:25 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 06/14/12 22:25 / cp |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
H - Analysis performed past recommended holding time.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Chadron Wells G-8 Samples
Lab ID: C12060209-006
Client Sample ID: Monitor 7

Report Date: 07/06/12
Collection Date: 06/04/12
Date Received: 06/06/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|------|-------------|---------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 06/26/12 22:34 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 06/26/12 22:34 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 06/26/12 22:34 / eli-cs |
| Polonium 210 | 1.6 | pCi/L | | 0.6 | | E912.0 | 06/22/12 10:07 / dmf |
| Polonium 210 precision (±) | 0.9 | pCi/L | | | | E912.0 | 06/22/12 10:07 / dmf |
| Polonium 210 MDC | 0.6 | pCi/L | | | | E912.0 | 06/22/12 10:07 / dmf |
| Radium 226 | 0.53 | pCi/L | | 0.17 | | E903.0 | 06/19/12 11:31 / trs |
| Radium 226 precision (±) | 0.17 | pCi/L | | | | E903.0 | 06/19/12 11:31 / trs |
| Radium 226 MDC | 0.17 | pCi/L | | | | E903.0 | 06/19/12 11:31 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 06/15/12 08:38 / dmf |
| Thorium 230 precision (±) | 0.06 | pCi/L | | | | E908.0 | 06/15/12 08:38 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 06/15/12 08:38 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 06/29/12 11:45 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 06/29/12 11:45 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 06/29/12 11:45 / eli-cs |
| Polonium 210 | <0.3 | pCi/L | U | 0.3 | | E912.0 | 06/18/12 13:03 / dmf |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 06/18/12 13:03 / dmf |
| Polonium 210 MDC | 0.3 | pCi/L | | | | E912.0 | 06/18/12 13:03 / dmf |
| Radium 226 | <0.13 | pCi/L | U | 0.13 | | E903.0 | 06/25/12 10:26 / lbb |
| Radium 226 precision (±) | 0.08 | pCi/L | | | | E903.0 | 06/25/12 10:26 / lbb |
| Radium 226 MDC | 0.13 | pCi/L | | | | E903.0 | 06/25/12 10:26 / lbb |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 06/19/12 17:16 / dmf |
| Thorium 230 precision (±) | 0.09 | pCi/L | | | | E908.0 | 06/19/12 17:16 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 06/19/12 17:16 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 0.403 | % | | | | A1030 E | 06/22/12 06:54 / kbh |
| Anions | 17.7 | meq/L | | | | A1030 E | 06/22/12 06:54 / kbh |
| Cations | 17.9 | meq/L | | | | A1030 E | 06/22/12 06:54 / kbh |
| Solids, Total Dissolved Calculated | 1100 | mg/L | | | | A1030 E | 06/22/12 06:54 / kbh |
| TDS Balance (0.80 - 1.20) | 1.04 | | | | | A1030 E | 06/22/12 06:54 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Chadron Wells G-8 Samples
Lab ID: C12060209-007
Client Sample ID: Monitor 8

Report Date: 07/06/12
Collection Date: 06/04/12
Date Received: 06/06/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|--------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 282 | mg/L | | 5 | | A2320 B | 06/07/12 02:47 / jba |
| Carbonate as CO ₃ | 10 | mg/L | | 5 | | A2320 B | 06/07/12 02:47 / jba |
| Bicarbonate as HCO ₃ | 323 | mg/L | | 5 | | A2320 B | 06/07/12 02:47 / jba |
| Calcium | 12 | mg/L | | 1 | | E200.8 | 06/19/12 15:23 / cp |
| Chloride | 177 | mg/L | | 1 | | E300.0 | 06/12/12 16:20 / wc |
| Fluoride | 0.7 | mg/L | | 0.1 | | A4500-F C | 06/07/12 10:53 / jba |
| Magnesium | 3 | mg/L | | 1 | | E200.8 | 06/19/12 15:23 / cp |
| Nitrogen, Ammonia as N | 0.32 | mg/L | | 0.05 | | A4500-NH ₃ G | 06/08/12 16:29 / ljl |
| Nitrogen, Nitrate+Nitrite as N | ND | mg/L | | 0.1 | | E353.2 | 06/06/12 16:57 / ljl |
| Potassium | 17 | mg/L | | 1 | | E200.8 | 06/19/12 15:23 / cp |
| Silica | 18.5 | mg/L | | 0.2 | | E200.7 | 06/26/12 14:33 / sf |
| Sodium | 425 | mg/L | | 1 | | E200.8 | 06/19/12 15:23 / cp |
| Sulfate | 388 | mg/L | D | 4 | | E300.0 | 06/12/12 16:20 / wc |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 1950 | umhos/cm | | 1 | | A2510 B | 06/07/12 13:56 / ab |
| pH | 8.65 | s.u. | H | 0.01 | | A4500-H B | 06/07/12 13:56 / ab |
| Solids, Total Dissolved TDS @ 180 C | 1220 | mg/L | | 10 | | A2540 C | 06/07/12 16:32 / ab |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.8 | 06/12/12 23:49 / cp |
| Arsenic | 0.001 | mg/L | | 0.001 | | E200.8 | 06/12/12 23:49 / cp |
| Barium | ND | mg/L | | 0.1 | | E200.8 | 06/12/12 23:49 / cp |
| Boron | 1.4 | mg/L | | 0.1 | | E200.7 | 06/26/12 14:33 / sf |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 06/12/12 23:49 / cp |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 06/12/12 23:49 / cp |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 06/12/12 23:49 / cp |
| Iron | ND | mg/L | | 0.03 | | E200.8 | 06/19/12 15:23 / cp |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 06/12/12 23:49 / cp |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 06/12/12 23:49 / cp |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 06/19/12 15:23 / cp |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 06/12/12 23:49 / cp |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 06/12/12 23:49 / cp |
| Selenium | 0.002 | mg/L | | 0.001 | | E200.8 | 06/12/12 23:49 / cp |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 06/12/12 23:49 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 06/12/12 23:49 / cp |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 06/19/12 15:23 / cp |
| Zinc | ND | mg/L | | 0.01 | | E200.8 | 06/12/12 23:49 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 06/14/12 22:28 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 06/14/12 22:28 / cp |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
H - Analysis performed past recommended holding time.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Chadron Wells G-8 Samples
Lab ID: C12060209-007
Client Sample ID: Monitor 8

Report Date: 07/06/12
Collection Date: 06/04/12
Date Received: 06/06/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|--------|-------|-----------|------|-------------|---------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 06/27/12 01:54 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 06/27/12 01:54 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 06/27/12 01:54 / eli-cs |
| Polonium 210 | <0.7 | pCi/L | U | 0.7 | | E912.0 | 06/22/12 10:07 / dmf |
| Polonium 210 precision (±) | 0.4 | pCi/L | | | | E912.0 | 06/22/12 10:07 / dmf |
| Polonium 210 MDC | 0.7 | pCi/L | | | | E912.0 | 06/22/12 10:07 / dmf |
| Radium 226 | 2.1 | pCi/L | | 0.17 | | E903.0 | 06/19/12 13:14 / trs |
| Radium 226 precision (±) | 0.31 | pCi/L | | | | E903.0 | 06/19/12 13:14 / trs |
| Radium 226 MDC | 0.17 | pCi/L | | | | E903.0 | 06/19/12 13:14 / trs |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 06/15/12 08:38 / dmf |
| Thorium 230 precision (±) | 0.05 | pCi/L | | | | E908.0 | 06/15/12 08:38 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 06/15/12 08:38 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 06/29/12 13:50 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 06/29/12 13:50 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 06/29/12 13:50 / eli-cs |
| Polonium 210 | <0.4 | pCi/L | U | 0.4 | | E912.0 | 06/18/12 14:59 / dmf |
| Polonium 210 precision (±) | 0.3 | pCi/L | | | | E912.0 | 06/18/12 14:59 / dmf |
| Polonium 210 MDC | 0.4 | pCi/L | | | | E912.0 | 06/18/12 14:59 / dmf |
| Radium 226 | <0.13 | pCi/L | U | 0.13 | | E903.0 | 06/25/12 10:26 / lbb |
| Radium 226 precision (±) | 0.09 | pCi/L | | | | E903.0 | 06/25/12 10:26 / lbb |
| Radium 226 MDC | 0.13 | pCi/L | | | | E903.0 | 06/25/12 10:26 / lbb |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 06/19/12 17:16 / dmf |
| Thorium 230 precision (±) | 0.05 | pCi/L | | | | E908.0 | 06/19/12 17:16 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 06/19/12 17:16 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 2.74 | % | | | | A1030 E | 06/22/12 06:54 / kbh |
| Anions | 18.7 | meq/L | | | | A1030 E | 06/22/12 06:54 / kbh |
| Cations | 19.8 | meq/L | | | | A1030 E | 06/22/12 06:54 / kbh |
| Solids, Total Dissolved Calculated | 1200 | mg/L | | | | A1030 E | 06/22/12 06:54 / kbh |
| TDS Balance (0.80 - 1.20) | 1.03 | | | | | A1030 E | 06/22/12 06:54 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Chadron Wells G-8 Samples
Lab ID: C12060209-008
Client Sample ID: Monitor 9

Report Date: 07/06/12
Collection Date: 06/04/12
Date Received: 06/06/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|--|---------|----------|-----------|---------|-------------|-------------------------|----------------------|
| MAJOR IONS | | | | | | | |
| Alkalinity, Total as CaCO ₃ | 343 | mg/L | | 5 | | A2320 B | 06/07/12 02:55 / jba |
| Carbonate as CO ₃ | 16 | mg/L | | 5 | | A2320 B | 06/07/12 02:55 / jba |
| Bicarbonate as HCO ₃ | 387 | mg/L | | 5 | | A2320 B | 06/07/12 02:55 / jba |
| Calcium | 4 | mg/L | | 1 | | E200.8 | 06/19/12 15:46 / cp |
| Chloride | 232 | mg/L | | 1 | | E300.0 | 06/12/12 16:34 / wc |
| Fluoride | 0.8 | mg/L | | 0.1 | | A4500-F C | 06/07/12 10:57 / jba |
| Magnesium | ND | mg/L | | 1 | | E200.8 | 06/19/12 15:46 / cp |
| Nitrogen, Ammonia as N | 0.34 | mg/L | | 0.05 | | A4500-NH ₃ G | 06/09/12 12:56 / ljl |
| Nitrogen, Nitrate+Nitrite as N | ND | mg/L | | 0.1 | | E353.2 | 06/06/12 17:00 / ljl |
| Potassium | 14 | mg/L | | 1 | | E200.8 | 06/19/12 15:46 / cp |
| Silica | 17.3 | mg/L | | 0.2 | | E200.7 | 06/26/12 14:37 / sf |
| Sodium | 341 | mg/L | | 1 | | E200.8 | 06/19/12 15:46 / cp |
| Sulfate | 95 | mg/L | D | 4 | | E300.0 | 06/12/12 16:34 / wc |
| PHYSICAL PROPERTIES | | | | | | | |
| Conductivity @ 25 C | 1570 | umhos/cm | | 1 | | A2510 B | 06/07/12 13:58 / ab |
| pH | 8.75 | s.u. | H | 0.01 | | A4500-H B | 06/07/12 13:58 / ab |
| Solids, Total Dissolved TDS @ 180 C | 910 | mg/L | | 10 | | A2540 C | 06/07/12 16:32 / ab |
| METALS - DISSOLVED | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | | E200.8 | 06/12/12 23:52 / cp |
| Arsenic | 0.001 | mg/L | | 0.001 | | E200.8 | 06/12/12 23:52 / cp |
| Barium | ND | mg/L | | 0.1 | | E200.8 | 06/12/12 23:52 / cp |
| Boron | 1.3 | mg/L | | 0.1 | | E200.7 | 06/26/12 14:37 / sf |
| Cadmium | ND | mg/L | | 0.005 | | E200.8 | 06/12/12 23:52 / cp |
| Chromium | ND | mg/L | | 0.05 | | E200.8 | 06/12/12 23:52 / cp |
| Copper | ND | mg/L | | 0.01 | | E200.8 | 06/12/12 23:52 / cp |
| Iron | ND | mg/L | | 0.03 | | E200.8 | 06/19/12 15:46 / cp |
| Lead | ND | mg/L | | 0.001 | | E200.8 | 06/12/12 23:52 / cp |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 06/12/12 23:52 / cp |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 06/19/12 15:46 / cp |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 06/12/12 23:52 / cp |
| Nickel | ND | mg/L | | 0.05 | | E200.8 | 06/12/12 23:52 / cp |
| Selenium | 0.003 | mg/L | | 0.001 | | E200.8 | 06/12/12 23:52 / cp |
| Uranium | 0.0021 | mg/L | | 0.0003 | | E200.8 | 06/12/12 23:52 / cp |
| Uranium, Activity | 1.4E-09 | uCi/mL | | 2.0E-10 | | E200.8 | 06/12/12 23:52 / cp |
| Vanadium | ND | mg/L | | 0.1 | | E200.8 | 06/19/12 15:46 / cp |
| Zinc | ND | mg/L | | 0.01 | | E200.8 | 06/12/12 23:52 / cp |
| METALS - SUSPENDED | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | | E200.8 | 06/14/12 22:31 / cp |
| Uranium, Activity | ND | uCi/mL | | 2.0E-10 | | E200.8 | 06/14/12 22:31 / cp |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
H - Analysis performed past recommended holding time.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Crow Butte Resources
Project: Marsland Chadron Wells G-8 Samples
Lab ID: C12060209-008
Client Sample ID: Monitor 9

Report Date: 07/06/12
Collection Date: 06/04/12
Date Received: 06/06/12
Matrix: Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|------------------------------------|---------|-------|-----------|------|-------------|---------|-------------------------|
| RADIONUCLIDES - DISSOLVED | | | | | | | |
| Lead 210 | <0.8 | pCi/L | U | 0.8 | | E909.0 | 06/27/12 05:14 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 06/27/12 05:14 / eli-cs |
| Lead 210 MDC | 0.8 | pCi/L | | | | E909.0 | 06/27/12 05:14 / eli-cs |
| Polonium 210 | 0.8 | pCi/L | | 0.5 | | E912.0 | 06/22/12 10:07 / dmf |
| Polonium 210 precision (±) | 0.6 | pCi/L | | | | E912.0 | 06/22/12 10:07 / dmf |
| Polonium 210 MDC | 0.5 | pCi/L | | | | E912.0 | 06/22/12 10:07 / dmf |
| Radium 226 | 1.5 | pCi/L | | 0.17 | | E903.0 | 06/19/12 13:14 / trs |
| Radium 226 precision (±) | 0.26 | pCi/L | | | | E903.0 | 06/19/12 13:14 / trs |
| Radium 226 MDC | 0.17 | pCi/L | | | | E903.0 | 06/19/12 13:14 / trs |
| Thorium 230 | <0.2 | pCi/L | U | 0.2 | | E908.0 | 06/15/12 08:38 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 06/15/12 08:38 / dmf |
| Thorium 230 MDC | 0.2 | pCi/L | | | | E908.0 | 06/15/12 08:38 / dmf |
| RADIONUCLIDES - SUSPENDED | | | | | | | |
| Lead 210 | <0.7 | pCi/L | U | 0.7 | | E909.0 | 06/29/12 15:55 / eli-cs |
| Lead 210 precision (±) | 0.5 | pCi/L | | | | E909.0 | 06/29/12 15:55 / eli-cs |
| Lead 210 MDC | 0.7 | pCi/L | | | | E909.0 | 06/29/12 15:55 / eli-cs |
| Polonium 210 | <0.3 | pCi/L | U | 0.3 | | E912.0 | 06/18/12 14:58 / dmf |
| Polonium 210 precision (±) | 0.2 | pCi/L | | | | E912.0 | 06/18/12 14:58 / dmf |
| Polonium 210 MDC | 0.3 | pCi/L | | | | E912.0 | 06/18/12 14:58 / dmf |
| Radium 226 | <0.11 | pCi/L | U | 0.11 | | E903.0 | 06/25/12 10:26 / lbb |
| Radium 226 precision (±) | 0.07 | pCi/L | | | | E903.0 | 06/25/12 10:26 / lbb |
| Radium 226 MDC | 0.11 | pCi/L | | | | E903.0 | 06/25/12 10:26 / lbb |
| Thorium 230 | <0.1 | pCi/L | U | 0.1 | | E908.0 | 06/19/12 17:16 / dmf |
| Thorium 230 precision (±) | 0.07 | pCi/L | | | | E908.0 | 06/19/12 17:16 / dmf |
| Thorium 230 MDC | 0.1 | pCi/L | | | | E908.0 | 06/19/12 17:16 / dmf |
| DATA QUALITY | | | | | | | |
| A/C Balance (± 5) | 0.00470 | % | | | | A1030 E | 06/22/12 06:54 / kbh |
| Anions | 15.5 | meq/L | | | | A1030 E | 06/22/12 06:54 / kbh |
| Cations | 15.5 | meq/L | | | | A1030 E | 06/22/12 06:54 / kbh |
| Solids, Total Dissolved Calculated | 890 | mg/L | | | | A1030 E | 06/22/12 06:54 / kbh |
| TDS Balance (0.80 - 1.20) | 1.02 | | | | | A1030 E | 06/22/12 06:54 / kbh |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration



Inter-Mountain Labs

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported: 3/26/2012
Report ID: S1202246001

ProjectName: Marsland Chadron Well Sampling
Lab ID: S1202246-002
ClientSample ID: Monitor 2
COC: 143865

WorkOrder: S1202246
CollectionDate: 2/13/2012
DateReceived: 2/16/2012 10:36:00 AM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|---|--------|----------|------|------|-------------|---------------------|
| Anions/Cations | | | | | | |
| Alkalinity, Total (As CaCO ₃) | 394 | mg/L | | 5 | SM 2320B | 02/20/2012 1909 MZ |
| Alkalinity, Bicarbonate as HCO ₃ | 480 | mg/L | | 5 | SM 2320B | 02/20/2012 1909 MZ |
| Alkalinity, Carbonate as CO ₃ | ND | mg/L | | 5 | SM 2320B | 02/20/2012 1909 MZ |
| Chloride | 168 | mg/L | | 1 | EPA 300.0 | 02/20/2012 1259 AMB |
| Fluoride | 0.6 | mg/L | | 0.1 | SM 4500FC | 02/20/2012 1909 MZ |
| Nitrogen, Nitrate-Nitrite (as N) | ND | mg/L | | 0.1 | EPA 353.2 | 02/17/2012 1311 MB |
| Sulfate | 47 | mg/L | | 1 | EPA 300.0 | 02/17/2012 1829 AMB |
| Calcium | 5 | mg/L | | 1 | EPA 200.7 | 02/17/2012 1305 DG |
| Magnesium | 1 | mg/L | | 1 | EPA 200.7 | 02/17/2012 1305 DG |
| Potassium | 12 | mg/L | | 1 | EPA 200.7 | 02/17/2012 1305 DG |
| Sodium | 322 | mg/L | | 1 | EPA 200.7 | 02/17/2012 1305 DG |
| Nitrogen, Ammonia (As N) | 0.2 | mg/L | | 0.1 | EPA 350.1 | 02/27/2012 1020 MEL |
| Silica as SiO ₂ | 15 | mg/L | | 1 | EPA 200.7 | 02/17/2012 1305 DG |
| General Parameters | | | | | | |
| pH | 8.3 | s.u. | | 0.1 | SM 4500 H B | 02/20/2012 1909 MZ |
| Electrical Conductivity | 1450 | µmhos/cm | | 1 | SM 2510B | 02/20/2012 1909 MZ |
| Total Dissolved Solids (180) | 830 | mg/L | | 10 | SM 2540 | 02/17/2012 1351 ARF |
| Data Quality | | | | | | |
| Cation Sum | 14.60 | meq/L | | 0.01 | SM 1030E | 03/27/2012 1331 WN |
| Anion Sum | 13.61 | meq/L | | 0.01 | SM 1030E | 03/27/2012 1331 WN |
| Cation-Anion Balance (± 5%) | 3.49 | % | | 0.01 | SM 1030E | 03/27/2012 1331 WN |
| Solids, Total Dissolved (Calc) | 810 | mg/L | | 10 | SM 1030E | 03/27/2012 1331 WN |
| Calculated TDS/TDS Ratio (0.80-1.20) | 1.02 | dec. % | | 0.01 | Calculation | 03/27/2012 1333 WN |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager

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Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported: 3/26/2012
Report ID: S1202246001

ProjectName: Marsland Chadron Well Sampling
Lab ID: S1202246-002
ClientSample ID: Monitor 2
COC: 143865

WorkOrder: S1202246
CollectionDate: 2/13/2012
DateReceived: 2/16/2012 10:36:00 AM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Aluminum | 0.1 | mg/L | | 0.1 | EPA 200.7 | 02/17/2012 1305 | DG |
| Arsenic | 0.002 | mg/L | | 0.001 | EPA 200.8 | 02/16/2012 1957 | MS |
| Barium | ND | mg/L | | 0.1 | EPA 200.8 | 02/16/2012 1957 | MS |
| Boron | 1.4 | mg/L | | 0.1 | EPA 200.7 | 02/17/2012 1305 | DG |
| Cadmium | ND | mg/L | | 0.005 | EPA 200.8 | 02/16/2012 1957 | MS |
| Chromium | ND | mg/L | | 0.05 | EPA 200.7 | 02/17/2012 1305 | DG |
| Copper | ND | mg/L | | 0.1 | EPA 200.8 | 02/16/2012 1957 | MS |
| Iron | 0.05 | mg/L | | 0.05 | EPA 200.7 | 02/17/2012 1305 | DG |
| Lead | ND | mg/L | | 0.05 | EPA 200.8 | 02/16/2012 1957 | MS |
| Manganese | ND | mg/L | | 0.01 | EPA 200.7 | 02/17/2012 1305 | DG |
| Mercury | ND | mg/L | | 0.001 | EPA 245.1 | 02/21/2012 948 | BK |
| Molybdenum | ND | mg/L | | 0.1 | EPA 200.8 | 02/16/2012 1957 | MS |
| Nickel | ND | mg/L | | 0.05 | EPA 200.7 | 02/17/2012 1305 | DG |
| Selenium | ND | mg/L | | 0.001 | EPA 200.8 | 02/16/2012 1957 | MS |
| Uranium | 0.0034 | mg/L | | 0.0003 | EPA 200.8 | 02/16/2012 1957 | MS |
| Uranium Activity | 2.3 | pCi/L | | 0.2 | Calculation | 03/27/2012 1333 | WN |
| Vanadium | ND | mg/L | | 0.02 | EPA 200.8 | 02/16/2012 1957 | MS |
| Zinc | 0.03 | mg/L | | 0.01 | EPA 200.7 | 02/17/2012 1305 | DG |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 03/15/2012 1605 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 03/27/2012 1333 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 03/05/2012 1605 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 03/05/2012 1605 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 03/01/2012 1315 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 03/01/2012 1315 | SH |
| Radium 226 | 1.2 | pCi/L | | 0.2 | SM 7500-Ra B | 02/29/2012 1304 | SH |
| Radium 226 Precision (±) | 0.1 | pCi/L | | | SM 7500-Ra B | 02/29/2012 1304 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 02/28/2012 910 | WL |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 02/28/2012 910 | WL |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Inter-Mountain Labs

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 3/26/2012
Report ID: S1202246001

ProjectName: Marsland Chadron Well Sampling
Lab ID: S1202246-002
ClientSample ID: Monitor 2
COC: 143865

WorkOrder: S1202246
CollectionDate: 2/13/2012
DateReceived: 2/16/2012 10:36:00 AM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|-----|--------------|--------------------|----|
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | 1.1 | pCi/L | | 1 | OTW01 | 03/06/2012 1640 | SH |
| Lead 210 Precision (±) | 0.5 | pCi/L | | | OTW01 | 03/06/2012 1640 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 03/02/2012 1300 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 03/02/2012 1300 | SH |
| Radium 226 | 0.5 | pCi/L | B | 0.2 | SM 7500-Ra B | 03/01/2012 1519 | SH |
| Radium 226 Precision (±) | 0.1 | pCi/L | B | | SM 7500-Ra B | 03/01/2012 1519 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 03/01/2012 907 | WL |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 03/01/2012 907 | WL |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers: * Value exceeds Maximum Contaminant Level
C Calculated Value
H Holding times for preparation or analysis exceeded
L Analyzed by a contract laboratory
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
M Value exceeds Monthly Ave or MCL
O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager



Inter-Mountain Labs

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported: 3/26/2012
Report ID: S1202246001

ProjectName: Marsland Chadron Well Sampling
Lab ID: S1202246-004
ClientSample ID: Monitor 5
COC: 143865

WorkOrder: S1202246
CollectionDate: 2/13/2012
DateReceived: 2/16/2012 10:36:00 AM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|---|--------|----------|------|------|-------------|---------------------|
| Anions/Cations | | | | | | |
| Alkalinity, Total (As CaCO ₃) | 260 | mg/L | | 5 | SM 2320B | 02/20/2012 1939 MZ |
| Alkalinity, Bicarbonate as HCO ₃ | 214 | mg/L | | 5 | SM 2320B | 02/20/2012 1939 MZ |
| Alkalinity, Carbonate as CO ₃ | 51 | mg/L | | 5 | SM 2320B | 02/20/2012 1939 MZ |
| Chloride | 280 | mg/L | | 1 | EPA 300.0 | 02/20/2012 1422 AMB |
| Fluoride | 0.6 | mg/L | | 0.1 | SM 4500FC | 02/20/2012 1939 MZ |
| Nitrogen, Nitrate-Nitrite (as N) | ND | mg/L | | 0.1 | EPA 353.2 | 02/17/2012 1314 MB |
| Sulfate | 269 | mg/L | | 1 | EPA 300.0 | 02/17/2012 1852 AMB |
| Calcium | 5 | mg/L | | 1 | EPA 200.7 | 02/17/2012 1321 DG |
| Magnesium | 1 | mg/L | | 1 | EPA 200.7 | 02/17/2012 1321 DG |
| Potassium | 36 | mg/L | | 1 | EPA 200.7 | 02/17/2012 1321 DG |
| Sodium | 454 | mg/L | | 1 | EPA 200.7 | 02/17/2012 1321 DG |
| Nitrogen, Ammonia (As N) | 0.2 | mg/L | | 0.1 | EPA 350.1 | 02/27/2012 1027 MEL |
| Silica as SiO ₂ | 23 | mg/L | | 1 | EPA 200.7 | 02/17/2012 1321 DG |
| General Parameters | | | | | | |
| pH | 9.3 | s.u. | | 0.1 | SM 4500 H B | 02/20/2012 1939 MZ |
| Electrical Conductivity | 2220 | µmhos/cm | | 1 | SM 2510B | 02/20/2012 1939 MZ |
| Total Dissolved Solids (180) | 1220 | mg/L | | 10 | SM 2540 | 02/17/2012 1353 ARF |
| Data Quality | | | | | | |
| Cation Sum | 21.03 | meq/L | | 0.01 | SM 1030E | 03/27/2012 1331 WN |
| Anion Sum | 19.11 | meq/L | | 0.01 | SM 1030E | 03/27/2012 1331 WN |
| Cation-Anion Balance (± 5%) | 4.76 | % | | 0.01 | SM 1030E | 03/27/2012 1331 WN |
| Solids, Total Dissolved (Calc) | 1220 | mg/L | | 10 | SM 1030E | 03/27/2012 1331 WN |
| Calculated TDS/TDS Ratio (0.80-1.20) | 1.00 | dec. % | | 0.01 | Calculation | 03/27/2012 1333 WN |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers: * Value exceeds Maximum Contaminant Level
C Calculated Value
H Holding times for preparation or analysis exceeded
L Analyzed by a contract laboratory
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
M Value exceeds Monthly Ave or MCL
O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager

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Inter-Mountain Labs

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 3/26/2012
Report ID: S1202246001

ProjectName: Marsland Chadron Well Sampling
Lab ID: S1202246-004
ClientSample ID: Monitor 5
COC: 143865

WorkOrder: S1202246
CollectionDate: 2/13/2012
DateReceived: 2/16/2012 10:36:00 AM
FieldSampler: VN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Aluminum | 0.2 | mg/L | | 0.1 | EPA 200.7 | 02/17/2012 1321 | DG |
| Arsenic | ND | mg/L | | 0.001 | EPA 200.8 | 02/16/2012 2007 | MS |
| Barium | ND | mg/L | | 0.1 | EPA 200.8 | 02/16/2012 2007 | MS |
| Boron | 1.2 | mg/L | | 0.1 | EPA 200.7 | 02/17/2012 1321 | DG |
| Cadmium | ND | mg/L | | 0.005 | EPA 200.8 | 02/16/2012 2007 | MS |
| Chromium | ND | mg/L | | 0.05 | EPA 200.7 | 02/17/2012 1321 | DG |
| Copper | ND | mg/L | | 0.1 | EPA 200.8 | 02/16/2012 2007 | MS |
| Iron | ND | mg/L | | 0.05 | EPA 200.7 | 02/17/2012 1321 | DG |
| Lead | ND | mg/L | | 0.05 | EPA 200.8 | 02/16/2012 2007 | MS |
| Manganese | ND | mg/L | | 0.01 | EPA 200.7 | 02/17/2012 1321 | DG |
| Mercury | ND | mg/L | | 0.001 | EPA 245.1 | 02/21/2012 951 | BK |
| Molybdenum | ND | mg/L | | 0.1 | EPA 200.8 | 02/16/2012 2007 | MS |
| Nickel | ND | mg/L | | 0.05 | EPA 200.7 | 02/17/2012 1321 | DG |
| Selenium | 0.068 | mg/L | | 0.001 | EPA 200.8 | 02/16/2012 2007 | MS |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 02/16/2012 2007 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 03/27/2012 1333 | WN |
| Vanadium | ND | mg/L | | 0.02 | EPA 200.8 | 02/16/2012 2007 | MS |
| Zinc | ND | mg/L | | 0.01 | EPA 200.7 | 02/17/2012 1321 | DG |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 03/15/2012 1640 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 03/27/2012 1333 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 03/05/2012 1605 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 03/05/2012 1605 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 03/01/2012 1315 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 03/01/2012 1315 | SH |
| Radium 226 | 0.9 | pCi/L | | 0.2 | SM 7500-Ra B | 02/29/2012 1518 | SH |
| Radium 226 Precision (±) | 0.1 | pCi/L | | | SM 7500-Ra B | 02/29/2012 1518 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 02/28/2012 910 | WL |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 02/28/2012 910 | WL |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager

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Inter-Mountain Labs

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported: 3/26/2012
Report ID: S1202246001

ProjectName: Marsland Chadron Well Sampling
Lab ID: S1202246-004
ClientSample ID: Monitor 5
COC: 143865

WorkOrder: S1202246
CollectionDate: 2/13/2012
DateReceived: 2/16/2012 10:36:00 AM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|----------------------------------|--------|-------|------|-----|--------------|--------------------|
| Radionuclides - Suspended | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 03/06/2012 1640 SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 03/06/2012 1640 SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 03/02/2012 1300 SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 03/02/2012 1300 SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500-Ra B | 03/01/2012 1519 SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500-Ra B | 03/01/2012 1519 SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 03/01/2012 908 WL |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 03/01/2012 908 WL |


These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: 
Wade Nieuwsma, Assistant Laboratory Manager

Page 12 of 33



Inter-Mountain Labs

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported: 3/26/2012
Report ID: S1202246001

ProjectName: Marsland Chadron Well Sampling
Lab ID: S1202246-001
ClientSample ID: Monitor 1
COC: 143865

WorkOrder: S1202246
CollectionDate: 2/13/2012 2:25:00 PM
DateReceived: 2/16/2012 10:36:00 AM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|---|--------|----------|------|------|-------------|---------------------|
| Anions/Cations | | | | | | |
| Alkalinity, Total (As CaCO ₃) | 398 | mg/L | | 5 | SM 2320B | 02/20/2012 1858 MZ |
| Alkalinity, Bicarbonate as HCO ₃ | 486 | mg/L | | 5 | SM 2320B | 02/20/2012 1858 MZ |
| Alkalinity, Carbonate as CO ₃ | ND | mg/L | | 5 | SM 2320B | 02/20/2012 1858 MZ |
| Chloride | 180 | mg/L | | 1 | EPA 300.0 | 02/20/2012 1245 AMB |
| Fluoride | 0.6 | mg/L | | 0.1 | SM 4500FC | 02/20/2012 1858 MZ |
| Nitrogen, Nitrate-Nitrite (as N) | ND | mg/L | | 0.1 | EPA 353.2 | 02/17/2012 1310 MB |
| Sulfate | 48 | mg/L | | 1 | EPA 300.0 | 02/17/2012 1817 AMB |
| Calcium | 4 | mg/L | | 1 | EPA 200.7 | 02/17/2012 1300 DG |
| Magnesium | 1 | mg/L | | 1 | EPA 200.7 | 02/17/2012 1300 DG |
| Potassium | 11 | mg/L | | 1 | EPA 200.7 | 02/17/2012 1300 DG |
| Sodium | 330 | mg/L | | 1 | EPA 200.7 | 02/17/2012 1300 DG |
| Nitrogen, Ammonia (As N) | 0.3 | mg/L | | 0.1 | EPA 350.1 | 02/27/2012 1019 MEL |
| Silica as SiO ₂ | 14 | mg/L | | 1 | EPA 200.7 | 02/17/2012 1300 DG |
| General Parameters | | | | | | |
| pH | 8.3 | s.u. | | 0.1 | SM 4500 H B | 02/20/2012 1858 MZ |
| Electrical Conductivity | 1490 | µmhos/cm | | 1 | SM 2510B | 02/20/2012 1858 MZ |
| Total Dissolved Solids (180) | 830 | mg/L | | 10 | SM 2540 | 02/17/2012 1350 ARF |
| Data Quality | | | | | | |
| Cation Sum | 14.96 | meq/L | | 0.01 | SM 1030E | 03/27/2012 1331 WN |
| Anion Sum | 14.08 | meq/L | | 0.01 | SM 1030E | 03/27/2012 1331 WN |
| Cation-Anion Balance (± 5%) | 3.04 | % | | 0.01 | SM 1030E | 03/27/2012 1331 WN |
| Solids, Total Dissolved (Calc) | 830 | mg/L | | 10 | SM 1030E | 03/27/2012 1331 WN |
| Calculated TDS/TDS Ratio (0.80-1.20) | 1.00 | dec. % | | 0.01 | Calculation | 03/27/2012 1333 WN |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager

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Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported: 3/26/2012
Report ID: S1202246001

ProjectName: Marsland Chadron Well Sampling
Lab ID: S1202246-001
ClientSample ID: Monitor 1
COC: 143865

WorkOrder: S1202246
CollectionDate: 2/13/2012 2:25:00 PM
DateReceived: 2/16/2012 10:36:00 AM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|
| Metals - Dissolved | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | EPA 200.7 | 02/17/2012 1300 DG |
| Arsenic | 0.001 | mg/L | | 0.001 | EPA 200.8 | 02/16/2012 1928 MS |
| Barium | ND | mg/L | | 0.1 | EPA 200.8 | 02/16/2012 1928 MS |
| Boron | 1.4 | mg/L | | 0.1 | EPA 200.7 | 02/17/2012 1300 DG |
| Cadmium | ND | mg/L | | 0.005 | EPA 200.8 | 02/16/2012 1928 MS |
| Chromium | ND | mg/L | | 0.05 | EPA 200.7 | 02/17/2012 1300 DG |
| Copper | ND | mg/L | | 0.1 | EPA 200.8 | 02/16/2012 1928 MS |
| Iron | ND | mg/L | | 0.05 | EPA 200.7 | 02/17/2012 1300 DG |
| Lead | ND | mg/L | | 0.05 | EPA 200.8 | 02/16/2012 1928 MS |
| Manganese | ND | mg/L | | 0.01 | EPA 200.7 | 02/17/2012 1300 DG |
| Mercury | ND | mg/L | | 0.001 | EPA 245.1 | 02/21/2012 946 BK |
| Molybdenum | ND | mg/L | | 0.1 | EPA 200.8 | 02/16/2012 1928 MS |
| Nickel | ND | mg/L | | 0.05 | EPA 200.7 | 02/17/2012 1300 DG |
| Selenium | 0.002 | mg/L | | 0.001 | EPA 200.8 | 02/16/2012 1928 MS |
| Uranium | 0.0064 | mg/L | | 0.0003 | EPA 200.8 | 02/16/2012 1928 MS |
| Uranium Activity | 4.3 | pCi/L | | 0.2 | Calculation | 03/27/2012 1333 WN |
| Vanadium | ND | mg/L | | 0.02 | EPA 200.8 | 02/16/2012 1928 MS |
| Zinc | ND | mg/L | | 0.01 | EPA 200.7 | 02/17/2012 1300 DG |
| Metals - Suspended | | | | | | |
| Uranium | 0.0008 | mg/L | | 0.0003 | EPA 200.8 | 03/15/2012 1601 MS |
| Uranium Activity | 0.5 | pCi/L | | 0.2 | Calculation | 03/27/2012 1333 WN |
| Radionuclides - Dissolved | | | | | | |
| Lead 210 | 11.0 | pCi/L | | 1 | OTW01 | 03/05/2012 1327 SH |
| Lead 210 Precision (±) | 0.9 | pCi/L | | | OTW01 | 03/05/2012 1327 SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 03/01/2012 1204 SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 03/01/2012 1204 SH |
| Radium 226 | 12.3 | pCi/L | | 0.2 | SM 7500-Ra B | 02/29/2012 1304 SH |
| Radium 226 Precision (±) | 0.4 | pCi/L | | | SM 7500-Ra B | 02/29/2012 1304 SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 02/28/2012 910 WL |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 02/28/2012 910 WL |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Inter-Mountain Labs

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 3/26/2012
Report ID: S1202246001

ProjectName: Marsland Chadron Well Sampling
Lab ID: S1202246-001
ClientSample ID: Monitor 1
COC: 143865

WorkOrder: S1202246
CollectionDate: 2/13/2012 2:25:00 PM
DateReceived: 2/16/2012 10:36:00 AM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|-----|--------------|--------------------|----|
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | 61.2 | pCi/L | | 1 | OTW01 | 03/06/2012 1402 | SH |
| Lead 210 Precision (±) | 2.1 | pCi/L | | | OTW01 | 03/06/2012 1402 | SH |
| Polonium 210 | 8.8 | pCi/L | | 1 | OTW01 | 03/02/2012 1136 | SH |
| Polonium 210 Precision (±) | 1.0 | pCi/L | | | OTW01 | 03/02/2012 1136 | SH |
| Radium 226 | 8.8 | pCi/L | B | 0.2 | SM 7500-Ra B | 03/01/2012 1519 | SH |
| Radium 226 Precision (±) | 0.5 | pCi/L | B | | SM 7500-Ra B | 03/01/2012 1519 | SH |
| Thorium 230 | 4.3 | pCi/L | | 0.2 | ACW10 | 03/12/2012 940 | WL |
| Thorium 230 Precision (±) | 0.6 | pCi/L | | | ACW10 | 03/12/2012 940 | WL |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager

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Inter-Mountain Labs

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported: 3/26/2012
Report ID: S1202246001

ProjectName: Marsland Chadron Well Sampling
Lab ID: S1202246-009
ClientSample ID: Monitor 10
COC: 143865

WorkOrder: S1202246
CollectionDate: 2/13/2012
DateReceived: 2/16/2012 10:36:00 AM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|---|--------|----------|------|------|-------------|--------------------|-----|
| Anions/Cations | | | | | | | |
| Alkalinity, Total (As CaCO ₃) | 307 | mg/L | | 5 | SM 2320B | 02/20/2012 2027 | MZ |
| Alkalinity, Bicarbonate as HCO ₃ | 363 | mg/L | | 5 | SM 2320B | 02/20/2012 2027 | MZ |
| Alkalinity, Carbonate as CO ₃ | 6 | mg/L | | 5 | SM 2320B | 02/20/2012 2027 | MZ |
| Chloride | 143 | mg/L | | 1 | EPA 300.0 | 02/17/2012 1949 | AMB |
| Fluoride | 0.7 | mg/L | | 0.1 | SM 4500FC | 02/20/2012 2027 | MZ |
| Nitrogen, Nitrate-Nitrite (as N) | ND | mg/L | | 0.1 | EPA 353.2 | 02/17/2012 1326 | MB |
| Sulfate | 307 | mg/L | | 1 | EPA 300.0 | 02/17/2012 1949 | AMB |
| Calcium | 7 | mg/L | | 1 | EPA 200.7 | 02/17/2012 1335 | DG |
| Magnesium | 2 | mg/L | | 1 | EPA 200.7 | 02/17/2012 1335 | DG |
| Potassium | 15 | mg/L | | 1 | EPA 200.7 | 02/17/2012 1335 | DG |
| Sodium | 405 | mg/L | | 1 | EPA 200.7 | 02/17/2012 1335 | DG |
| Nitrogen, Ammonia (As N) | 0.4 | mg/L | | 0.1 | EPA 350.1 | 02/27/2012 1032 | MEL |
| Silica as SiO ₂ | 16 | mg/L | | 1 | EPA 200.7 | 02/17/2012 1335 | DG |
| General Parameters | | | | | | | |
| pH | 8.4 | s.u. | | 0.1 | SM 4500 H B | 02/20/2012 2027 | MZ |
| Electrical Conductivity | 1880 | µmhos/cm | | 1 | SM 2510B | 02/20/2012 2027 | MZ |
| Total Dissolved Solids (180) | 1090 | mg/L | | 10 | SM 2540 | 02/17/2012 1358 | ARF |
| Data Quality | | | | | | | |
| Cation Sum | 18.53 | meq/L | | 0.01 | SM 1030E | 03/27/2012 1331 | WN |
| Anion Sum | 16.87 | meq/L | | 0.01 | SM 1030E | 03/27/2012 1331 | WN |
| Cation-Anion Balance (± 5%) | 4.67 | % | | 0.01 | SM 1030E | 03/27/2012 1331 | WN |
| Solids, Total Dissolved (Calc) | 1080 | mg/L | | 10 | SM 1030E | 03/27/2012 1331 | WN |
| Calculated TDS/TDS Ratio (0.80-1.20) | 1.01 | dec. % | | 0.01 | Calculation | 03/27/2012 1333 | WN |

These results apply only to the samples tested.

RL - Reporting Limit

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds Maximum Contaminant Level | B Analyte detected in the associated Method Blank |
| | C Calculated Value | E Value above quantitation range |
| | H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| | L Analyzed by a contract laboratory | M Value exceeds Monthly Ave or MCL |
| | ND Not Detected at the Reporting Limit | O Outside the Range of Dilutions |
| | S Spike Recovery outside accepted recovery limits | |

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager

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Inter-Mountain Labs

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 3/26/2012
Report ID: S1202246001

ProjectName: Marsland Chadron Well Sampling
Lab ID: S1202246-009
ClientSample ID: Monitor 10
COC: 143865

WorkOrder: S1202246
CollectionDate: 2/13/2012
DateReceived: 2/16/2012 10:36:00 AM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | EPA 200.7 | 02/17/2012 1335 | DG |
| Arsenic | ND | mg/L | | 0.001 | EPA 200.8 | 02/16/2012 2032 | MS |
| Barium | ND | mg/L | | 0.1 | EPA 200.8 | 02/16/2012 2032 | MS |
| Boron | 1.3 | mg/L | | 0.1 | EPA 200.7 | 02/17/2012 1335 | DG |
| Cadmium | ND | mg/L | | 0.005 | EPA 200.8 | 02/16/2012 2032 | MS |
| Chromium | ND | mg/L | | 0.05 | EPA 200.7 | 02/17/2012 1335 | DG |
| Copper | ND | mg/L | | 0.1 | EPA 200.8 | 02/16/2012 2032 | MS |
| Iron | ND | mg/L | | 0.05 | EPA 200.7 | 02/17/2012 1335 | DG |
| Lead | ND | mg/L | | 0.05 | EPA 200.8 | 02/16/2012 2032 | MS |
| Manganese | ND | mg/L | | 0.01 | EPA 200.7 | 02/17/2012 1335 | DG |
| Mercury | ND | mg/L | | 0.001 | EPA 245.1 | 02/21/2012 1014 | BK |
| Molybdenum | ND | mg/L | | 0.1 | EPA 200.8 | 02/16/2012 2032 | MS |
| Nickel | ND | mg/L | | 0.05 | EPA 200.7 | 02/17/2012 1335 | DG |
| Selenium | ND | mg/L | | 0.001 | EPA 200.8 | 02/16/2012 2032 | MS |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 02/16/2012 2032 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 03/27/2012 1333 | WN |
| Vanadium | ND | mg/L | | 0.02 | EPA 200.8 | 02/16/2012 2032 | MS |
| Zinc | 0.03 | mg/L | | 0.01 | EPA 200.7 | 02/17/2012 1335 | DG |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 03/15/2012 1704 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 03/27/2012 1333 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 03/05/2012 1605 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 03/05/2012 1605 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 03/01/2012 1315 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 03/01/2012 1315 | SH |
| Radium 226 | 0.5 | pCi/L | | 0.2 | SM 7500-Ra B | 02/29/2012 1518 | SH |
| Radium 226 Precision (±) | 0.1 | pCi/L | | | SM 7500-Ra B | 02/29/2012 1518 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 02/29/2012 815 | WL |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 02/29/2012 815 | WL |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager

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Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 3/26/2012
Report ID: S1202246001

ProjectName: Marsland Chadron Well Sampling
Lab ID: S1202246-009
ClientSample ID: Monitor 10
COC: 143865

WorkOrder: S1202246
CollectionDate: 2/13/2012
DateReceived: 2/16/2012 10:36:00 AM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|-----|--------------|--------------------|----|
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 03/06/2012 1640 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 03/06/2012 1640 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 03/02/2012 1300 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 03/02/2012 1300 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500-Ra B | 03/01/2012 1519 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500-Ra B | 03/01/2012 1519 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 03/02/2012 908 | WL |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 03/02/2012 908 | WL |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager



Inter-Mountain Labs

Your Environmental Monitoring Partner

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported: 3/26/2012
Report ID: S1202246001

ProjectName: Marsland Chadron Well Sampling
Lab ID: S1202246-010
ClientSample ID: Monitor 11
COC: 143865

WorkOrder: S1202246
CollectionDate: 2/13/2012 1:25:00 PM
DateReceived: 2/16/2012 10:36:00 AM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|---|--------|----------|------|------|-------------|---------------------|
| Anions/Cations | | | | | | |
| Alkalinity, Total (As CaCO ₃) | 352 | mg/L | | 5 | SM 2320B | 02/20/2012 2036 MZ |
| Alkalinity, Bicarbonate as HCO ₃ | 393 | mg/L | | 5 | SM 2320B | 02/20/2012 2036 MZ |
| Alkalinity, Carbonate as CO ₃ | 18 | mg/L | | 5 | SM 2320B | 02/20/2012 2036 MZ |
| Chloride | 318 | mg/L | | 1 | EPA 300.0 | 02/20/2012 1532 AMB |
| Fluoride | 0.8 | mg/L | | 0.1 | SM 4500FC | 02/20/2012 2036 MZ |
| Nitrogen, Nitrate-Nitrite (as N) | ND | mg/L | | 0.1 | EPA 353.2 | 02/17/2012 1327 MB |
| Sulfate | 107 | mg/L | | 1 | EPA 300.0 | 02/17/2012 2057 AMB |
| Calcium | 6 | mg/L | | 1 | EPA 200.7 | 02/17/2012 1349 DG |
| Magnesium | 1 | mg/L | | 1 | EPA 200.7 | 02/17/2012 1349 DG |
| Potassium | 28 | mg/L | | 1 | EPA 200.7 | 02/17/2012 1349 DG |
| Sodium | 439 | mg/L | | 1 | EPA 200.7 | 02/17/2012 1349 DG |
| Nitrogen, Ammonia (As N) | 0.3 | mg/L | | 0.1 | EPA 350.1 | 02/27/2012 1033 MEL |
| Silica as SiO ₂ | 13 | mg/L | | 1 | EPA 200.7 | 02/17/2012 1349 DG |
| General Parameters | | | | | | |
| pH | 8.7 | s.u. | | 0.1 | SM 4500 H B | 02/20/2012 2036 MZ |
| Electrical Conductivity | 2060 | µmhos/cm | | 1 | SM 2510B | 02/20/2012 2036 MZ |
| Total Dissolved Solids (180) | 1110 | mg/L | | 10 | SM 2540 | 02/17/2012 1359 ARF |
| Data Quality | | | | | | |
| Cation Sum | 20.22 | meq/L | | 0.01 | SM 1030E | 03/27/2012 1331 WN |
| Anion Sum | 18.50 | meq/L | | 0.01 | SM 1030E | 03/27/2012 1331 WN |
| Cation-Anion Balance (± 5%) | 4.45 | % | | 0.01 | SM 1030E | 03/27/2012 1331 WN |
| Solids, Total Dissolved (Calc) | 1120 | mg/L | | 10 | SM 1030E | 03/27/2012 1331 WN |
| Calculated TDS/TDS Ratio (0.80-1.20) | 0.99 | dec. % | | 0.01 | Calculation | 03/27/2012 1333 WN |

These results apply only to the samples tested.

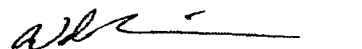
RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:



Wade Nieuwsma, Assistant Laboratory Manager

Page 28 of 33



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 3/26/2012
Report ID: S1202246001

ProjectName: Marsland Chadron Well Sampling
Lab ID: S1202246-010
ClientSample ID: Monitor 11
COC: 143865

WorkOrder: S1202246
CollectionDate: 2/13/2012 1:25:00 PM
DateReceived: 2/16/2012 10:36:00 AM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | EPA 200.7 | 02/17/2012 1349 | DG |
| Arsenic | 0.002 | mg/L | | 0.001 | EPA 200.8 | 02/16/2012 2047 | MS |
| Barium | ND | mg/L | | 0.1 | EPA 200.8 | 02/16/2012 2047 | MS |
| Boron | 1.3 | mg/L | | 0.1 | EPA 200.7 | 02/17/2012 1349 | DG |
| Cadmium | ND | mg/L | | 0.005 | EPA 200.8 | 02/16/2012 2047 | MS |
| Chromium | ND | mg/L | | 0.05 | EPA 200.7 | 02/17/2012 1349 | DG |
| Copper | ND | mg/L | | 0.1 | EPA 200.8 | 02/16/2012 2047 | MS |
| Iron | ND | mg/L | | 0.05 | EPA 200.7 | 02/17/2012 1349 | DG |
| Lead | ND | mg/L | | 0.05 | EPA 200.8 | 02/16/2012 2047 | MS |
| Manganese | ND | mg/L | | 0.01 | EPA 200.7 | 02/17/2012 1349 | DG |
| Mercury | ND | mg/L | | 0.001 | EPA 245.1 | 02/21/2012 1016 | BK |
| Molybdenum | ND | mg/L | | 0.1 | EPA 200.8 | 02/16/2012 2047 | MS |
| Nickel | ND | mg/L | | 0.05 | EPA 200.7 | 02/17/2012 1349 | DG |
| Selenium | 0.022 | mg/L | | 0.001 | EPA 200.8 | 02/16/2012 2047 | MS |
| Uranium | 0.0008 | mg/L | | 0.0003 | EPA 200.8 | 02/16/2012 2047 | MS |
| Uranium Activity | 0.5 | pCi/L | | 0.2 | Calculation | 03/27/2012 1333 | WN |
| Vanadium | ND | mg/L | | 0.02 | EPA 200.8 | 02/16/2012 2047 | MS |
| Zinc | ND | mg/L | | 0.01 | EPA 200.7 | 02/17/2012 1349 | DG |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 03/15/2012 1711 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 03/27/2012 1333 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 03/06/2012 851 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 03/06/2012 851 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 03/01/2012 1315 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 03/01/2012 1315 | SH |
| Radium 226 | 0.2 | pCi/L | | 0.2 | SM 7500-Ra B | 02/29/2012 1518 | SH |
| Radium 226 Precision (±) | 0.1 | pCi/L | | | SM 7500-Ra B | 02/29/2012 1518 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 02/29/2012 815 | WL |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 02/29/2012 815 | WL |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Inter-Mountain Labs

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 3/26/2012
Report ID: S1202246001

ProjectName: Marsland Chadron Well Sampling
Lab ID: S1202246-010
ClientSample ID: Monitor 11
COC: 143865

WorkOrder: S1202246
CollectionDate: 2/13/2012 1:25:00 PM
DateReceived: 2/16/2012 10:36:00 AM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|-----|--------------|--------------------|----|
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 03/06/2012 1640 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 03/06/2012 1640 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 03/02/2012 1300 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 03/02/2012 1300 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500-Ra B | 03/01/2012 1519 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500-Ra B | 03/01/2012 1519 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 03/02/2012 908 | WL |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 03/02/2012 908 | WL |

These results apply only to the samples tested.

RL - Reporting Limit

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds Maximum Contaminant Level | B Analyte detected in the associated Method Blank |
| | C Calculated Value | E Value above quantitation range |
| | H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| | L Analyzed by a contract laboratory | M Value exceeds Monthly Ave or MCL |
| | ND Not Detected at the Reporting Limit | O Outside the Range of Dilutions |
| | S Spike Recovery outside accepted recovery limits | |

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager

WELL SAMPLING SHEET

Date: 2/13/12

Water Level (TOC): _____

Sample ID No.: _____

Casing Height: _____

Well Number: CPW-2010-1

Water Level (TOC - CH): _____

Aquifer: _____

Measuring Point: _____

Sample Method: _____

Casing Volume: 405

Sampling Technician: WV

Time Start Pumping: 8:10

| SAMPLE TIME | pH | TEMP | SPECIFIC CONDUCTIVITY (umhos) | FLOW RATE (gpm) | TOTAL GALLONS PUMPED |
|-------------|-------|------|----------------------------------|--------------------|-------------------------|
| 8:10 | 9.85 | 16.8 | X = 2780 | 20 | 0 |
| 8:20 | 9.71 | 21.4 | X = 2840 | 20 | 20.3 |
| 8:30 | 10.38 | 22.5 | X = 3120 | 20 | 40.5 |
| 8:40 | 9.80 | 23.6 | X = 3000 | 20 | 60.8 |
| 8:50 | 9.75 | 23.4 | X = 2920 | 20 | 81.1 |
| 9:00 | 9.67 | 23.4 | X = 2800 | 20 | 101.4 |
| 9:10 | 9.67 | 23.7 | 2680 | 20 | 121.7 |

Quantity of Sample Taken @ 4°F: X

Sample Taken @ 4°F: X

Acidified-HNO3 F: X

Acidified-H2SO4 F: X

| LABORATORIES | TYPE OF ANALYSIS | DATE SHIPPED |
|--------------|--------------------------------------|--------------|
| FML | 68 + U + Ra ²²⁶ seg + dis | |
| | | |
| | | |
| | | |

REMARKS: _____



Inter-Mountain Labs

Your Environmental Monitoring Partner

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Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 3/26/2012
Report ID: S1202246001

ProjectName: Marsland Chadron Well Sampling
Lab ID: S1202246-011
ClientSample ID: CP10-2010-1
COC: 143865

WorkOrder: S1202246
CollectionDate: 2/13/2012 9:15:00 AM
DateReceived: 2/16/2012 10:36:00 AM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|---|--------|----------|------|------|-------------|--------------------|-----|
| Anions/Cations | | | | | | | |
| Alkalinity, Total (As CaCO ₃) | 281 | mg/L | | 5 | SM 2320B | 02/20/2012 2047 | MZ |
| Alkalinity, Bicarbonate as HCO ₃ | 286 | mg/L | | 5 | SM 2320B | 02/20/2012 2047 | MZ |
| Alkalinity, Carbonate as CO ₃ | 28 | mg/L | | 5 | SM 2320B | 02/20/2012 2047 | MZ |
| Chloride | 563 | mg/L | | 1 | EPA 300.0 | 02/29/2012 2208 | AMB |
| Fluoride | 0.8 | mg/L | | 0.1 | SM 4500FC | 02/20/2012 2047 | MZ |
| Nitrogen, Nitrate-Nitrite (as N) | ND | mg/L | | 0.1 | EPA 353.2 | 02/17/2012 1329 | MB |
| Sulfate | 76 | mg/L | | 1 | EPA 300.0 | 02/29/2012 2208 | AMB |
| Calcium | 10 | mg/L | | 1 | EPA 200.7 | 03/01/2012 1827 | DG |
| Magnesium | ND | mg/L | | 1 | EPA 200.7 | 03/01/2012 1827 | DG |
| Potassium | 40 | mg/L | | 1 | EPA 200.7 | 03/01/2012 1827 | DG |
| Sodium | 488 | mg/L | | 1 | EPA 200.7 | 03/01/2012 1827 | DG |
| Nitrogen, Ammonia (As N) | 0.5 | mg/L | | 0.1 | EPA 350.1 | 02/27/2012 1034 | MEL |
| Silica as SiO ₂ | 17 | mg/L | | 1 | EPA 200.7 | 02/17/2012 1352 | DG |
| General Parameters | | | | | | | |
| pH | 9.0 | s.u. | | 0.1 | SM 4500 H B | 02/20/2012 2047 | MZ |
| Electrical Conductivity | 2360 | µmhos/cm | | 1 | SM 2510B | 02/20/2012 2047 | MZ |
| Total Dissolved Solids (180) | 1260 | mg/L | | 10 | SM 2540 | 02/17/2012 1400 | ARF |
| Data Quality | | | | | | | |
| Cation Sum | 22.75 | meq/L | | 0.01 | SM 1030E | 03/27/2012 1331 | WN |
| Anion Sum | 23.12 | meq/L | | 0.01 | SM 1030E | 03/27/2012 1331 | WN |
| Cation-Anion Balance (± 5%) | 0.80 | % | | 0.01 | SM 1030E | 03/27/2012 1331 | WN |
| Solids, Total Dissolved (Calc) | 1360 | mg/L | | 10 | SM 1030E | 03/27/2012 1331 | WN |
| Calculated TDS/TDS Ratio (0.80-1.20) | 0.93 | dec. % | | 0.01 | Calculation | 03/27/2012 1333 | WN |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Inter-Mountain Labs

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 3/26/2012
Report ID: S1202246001

ProjectName: Marsland Chadron Well Sampling
Lab ID: S1202246-011
ClientSample ID: CP10-2010-1
COC: 143865

WorkOrder: S1202246
CollectionDate: 2/13/2012 9:15:00 AM
DateReceived: 2/16/2012 10:36:00 AM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Aluminum | 0.4 | mg/L | | 0.1 | EPA 200.7 | 02/17/2012 1352 | DG |
| Arsenic | ND | mg/L | | 0.001 | EPA 200.8 | 02/16/2012 2106 | MS |
| Barium | 0.1 | mg/L | | 0.1 | EPA 200.8 | 02/16/2012 2106 | MS |
| Boron | 1.2 | mg/L | | 0.1 | EPA 200.7 | 02/17/2012 1352 | DG |
| Cadmium | ND | mg/L | | 0.005 | EPA 200.8 | 02/16/2012 2106 | MS |
| Chromium | ND | mg/L | | 0.05 | EPA 200.7 | 02/17/2012 1352 | DG |
| Copper | ND | mg/L | | 0.1 | EPA 200.8 | 02/16/2012 2106 | MS |
| Iron | ND | mg/L | | 0.05 | EPA 200.7 | 02/17/2012 1352 | DG |
| Lead | ND | mg/L | | 0.05 | EPA 200.8 | 02/16/2012 2106 | MS |
| Manganese | ND | mg/L | | 0.01 | EPA 200.7 | 02/17/2012 1352 | DG |
| Mercury | ND | mg/L | | 0.001 | EPA 245.1 | 02/21/2012 1017 | BK |
| Molybdenum | ND | mg/L | | 0.1 | EPA 200.8 | 02/16/2012 2106 | MS |
| Nickel | ND | mg/L | | 0.05 | EPA 200.7 | 02/17/2012 1352 | DG |
| Selenium | 0.067 | mg/L | | 0.001 | EPA 200.8 | 02/16/2012 2106 | MS |
| Uranium | 0.0091 | mg/L | | 0.0003 | EPA 200.8 | 02/16/2012 2106 | MS |
| Uranium Activity | 6.2 | pCi/L | | 0.2 | Calculation | 03/27/2012 1333 | WN |
| Vanadium | 0.05 | mg/L | | 0.02 | EPA 200.8 | 02/16/2012 2106 | MS |
| Zinc | ND | mg/L | | 0.01 | EPA 200.7 | 02/17/2012 1352 | DG |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 03/15/2012 1716 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 03/27/2012 1333 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | 3.6 | pCi/L | | 1 | OTW01 | 03/06/2012 851 | SH |
| Lead 210 Precision (±) | 0.5 | pCi/L | | | OTW01 | 03/06/2012 851 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 03/01/2012 1433 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 03/01/2012 1433 | SH |
| Radium 226 | 27.5 | pCi/L | | 0.2 | SM 7500-Ra B | 02/29/2012 1518 | SH |
| Radium 226 Precision (±) | 0.6 | pCi/L | | | SM 7500-Ra B | 02/29/2012 1518 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 02/29/2012 815 | WL |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 02/29/2012 815 | WL |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager

Page 32 of 33



Inter-Mountain Labs

Your Environmental Monitoring Partner

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 3/26/2012
Report ID: S1202246001

ProjectName: Marsland Chadron Well Sampling
Lab ID: S1202246-011
ClientSample ID: CP10-2010-1
COC: 143865

WorkOrder: S1202246
CollectionDate: 2/13/2012 9:15:00 AM
DateReceived: 2/16/2012 10:36:00 AM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|-----|--------------|--------------------|----|
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | 5.6 | pCi/L | | 1 | OTW01 | 03/07/2012 858 | SH |
| Lead 210 Precision (±) | 0.6 | pCi/L | | | OTW01 | 03/07/2012 858 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 03/05/2012 1154 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 03/05/2012 1154 | SH |
| Radium 226 | 1.7 | pCi/L | B | 0.2 | SM 7500-Ra B | 03/02/2012 1012 | SH |
| Radium 226 Precision (±) | 0.2 | pCi/L | B | | SM 7500-Ra B | 03/02/2012 1012 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 03/02/2012 908 | WL |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 03/02/2012 908 | WL |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 3/26/2012
Report ID: S1202246001

ProjectName: Marsland Chadron Well Sampling
Lab ID: S1202246-003
ClientSample ID: Monitor 4A
COC: 143865

WorkOrder: S1202246
CollectionDate: 2/13/2012
DateReceived: 2/16/2012 10:36:00 AM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|---|--------|----------|------|------|-------------|---------------------|
| Anions/Cations | | | | | | |
| Alkalinity, Total (As CaCO ₃) | 358 | mg/L | | 5 | SM 2320B | 02/20/2012 1919 MZ |
| Alkalinity, Bicarbonate as HCO ₃ | 414 | mg/L | | 5 | SM 2320B | 02/20/2012 1919 MZ |
| Alkalinity, Carbonate as CO ₃ | 11 | mg/L | | 5 | SM 2320B | 02/20/2012 1919 MZ |
| Chloride | 226 | mg/L | | 1 | EPA 300.0 | 02/20/2012 1408 AMB |
| Fluoride | 0.7 | mg/L | | 0.1 | SM 4500FC | 02/20/2012 1919 MZ |
| Nitrogen, Nitrate-Nitrite (as N) | ND | mg/L | | 0.1 | EPA 353.2 | 02/17/2012 1312 MB |
| Sulfate | 103 | mg/L | | 1 | EPA 300.0 | 02/29/2012 2155 AMB |
| Calcium | 4 | mg/L | | 1 | EPA 200.7 | 03/01/2012 1824 DG |
| Magnesium | ND | mg/L | | 1 | EPA 200.7 | 03/01/2012 1824 DG |
| Potassium | 23 | mg/L | | 1 | EPA 200.7 | 03/01/2012 1824 DG |
| Sodium | 367 | mg/L | | 1 | EPA 200.7 | 03/01/2012 1824 DG |
| Nitrogen, Ammonia (As N) | 0.3 | mg/L | | 0.1 | EPA 350.1 | 02/27/2012 1026 MEL |
| Silica as SiO ₂ | 14 | mg/L | | 1 | EPA 200.7 | 02/17/2012 1319 DG |
| General Parameters | | | | | | |
| pH | 8.6 | s.u. | | 0.1 | SM 4500 H B | 02/20/2012 1919 MZ |
| Electrical Conductivity | 1710 | µmhos/cm | | 1 | SM 2510B | 02/20/2012 1919 MZ |
| Total Dissolved Solids (180) | 940 | mg/L | | 10 | SM 2540 | 02/17/2012 1352 ARF |
| Data Quality | | | | | | |
| Cation Sum | 16.74 | meq/L | | 0.01 | SM 1030E | 03/27/2012 1331 WN |
| Anion Sum | 15.71 | meq/L | | 0.01 | SM 1030E | 03/27/2012 1331 WN |
| Cation-Anion Balance (± 5%) | 3.17 | % | | 0.01 | SM 1030E | 03/27/2012 1331 WN |
| Solids, Total Dissolved (Calc) | 950 | mg/L | | 10 | SM 1030E | 03/27/2012 1331 WN |
| Calculated TDS/TDS Ratio (0.80-1.20) | 0.99 | dec. % | | 0.01 | Calculation | 03/27/2012 1333 WN |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Inter-Mountain Labs

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported: 3/26/2012
Report ID: S1202246001

ProjectName: Marsland Chadron Well Sampling
Lab ID: S1202246-003
ClientSample ID: Monitor 4A
COC: 143865

WorkOrder: S1202246
CollectionDate: 2/13/2012
DateReceived: 2/16/2012 10:36:00 AM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|
| Metals - Dissolved | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | EPA 200.7 | 02/17/2012 1319 DG |
| Arsenic | 0.002 | mg/L | | 0.001 | EPA 200.8 | 02/16/2012 2002 MS |
| Barium | ND | mg/L | | 0.1 | EPA 200.8 | 02/16/2012 2002 MS |
| Boron | 1.6 | mg/L | | 0.1 | EPA 200.7 | 02/17/2012 1319 DG |
| Cadmium | ND | mg/L | | 0.005 | EPA 200.8 | 02/16/2012 2002 MS |
| Chromium | ND | mg/L | | 0.05 | EPA 200.7 | 02/17/2012 1319 DG |
| Copper | ND | mg/L | | 0.1 | EPA 200.8 | 02/16/2012 2002 MS |
| Iron | ND | mg/L | | 0.05 | EPA 200.7 | 02/17/2012 1319 DG |
| Lead | ND | mg/L | | 0.05 | EPA 200.8 | 02/16/2012 2002 MS |
| Manganese | ND | mg/L | | 0.01 | EPA 200.7 | 02/17/2012 1319 DG |
| Mercury | ND | mg/L | | 0.001 | EPA 245.1 | 02/21/2012 950 BK |
| Molybdenum | ND | mg/L | | 0.1 | EPA 200.8 | 02/16/2012 2002 MS |
| Nickel | ND | mg/L | | 0.05 | EPA 200.7 | 02/17/2012 1319 DG |
| Selenium | 0.024 | mg/L | | 0.001 | EPA 200.8 | 02/16/2012 2002 MS |
| Uranium | 0.0457 | mg/L | | 0.0003 | EPA 200.8 | 02/16/2012 2002 MS |
| Uranium Activity | 30.9 | pCi/L | | 0.2 | Calculation | 03/27/2012 1333 WN |
| Vanadium | ND | mg/L | | 0.02 | EPA 200.8 | 02/16/2012 2002 MS |
| Zinc | ND | mg/L | | 0.01 | EPA 200.7 | 02/17/2012 1319 DG |
| Metals - Suspended | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 03/15/2012 1610 MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 03/27/2012 1333 WN |
| Radionuclides - Dissolved | | | | | | |
| Lead 210 | 591 | pCi/L | | 1 | OTW01 | 03/05/2012 1605 SH |
| Lead 210 Precision (±) | 5.3 | pCi/L | | | OTW01 | 03/05/2012 1605 SH |
| Polonium 210 | 62.6 | pCi/L | | 1 | OTW01 | 03/01/2012 1315 SH |
| Polonium 210 Precision (±) | 3.2 | pCi/L | | | OTW01 | 03/01/2012 1315 SH |
| Radium 226 | 321 | pCi/L | | 0.2 | SM 7500-Ra B | 02/29/2012 1304 SH |
| Radium 226 Precision (±) | 2.2 | pCi/L | | | SM 7500-Ra B | 02/29/2012 1304 SH |
| Thorium 230 | 0.7 | pCi/L | | 0.2 | ACW10 | 02/28/2012 910 WL |
| Thorium 230 Precision (±) | 0.2 | pCi/L | | | ACW10 | 02/28/2012 910 WL |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported: 3/26/2012
Report ID: S1202246001

ProjectName: Marsland Chadron Well Sampling
Lab ID: S1202246-003
ClientSample ID: Monitor 4A
COC: 143865

WorkOrder: S1202246
CollectionDate: 2/13/2012
DateReceived: 2/16/2012 10:36:00 AM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|-----|--------------|--------------------|----|
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | 49.7 | pCi/L | | 1 | OTW01 | 03/06/2012 1640 | SH |
| Lead 210 Precision (±) | 1.5 | pCi/L | | | OTW01 | 03/06/2012 1640 | SH |
| Polonium 210 | 39.7 | pCi/L | | 1 | OTW01 | 03/02/2012 1300 | SH |
| Polonium 210 Precision (±) | 2.6 | pCi/L | | | OTW01 | 03/02/2012 1300 | SH |
| Radium 226 | 0.5 | pCi/L | B | 0.2 | SM 7500-Ra B | 03/01/2012 1519 | SH |
| Radium 226 Precision (±) | 0.1 | pCi/L | B | | SM 7500-Ra B | 03/01/2012 1519 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 03/12/2012 940 | WL |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 03/12/2012 940 | WL |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager



Inter-Mountain Labs

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported: 3/26/2012
Report ID: S1202246001

ProjectName: Marsland Chadron Well Sampling
Lab ID: S1202246-005
ClientSample ID: Monitor 6
COC: 143865

WorkOrder: S1202246
CollectionDate: 2/13/2012
DateReceived: 2/16/2012 10:36:00 AM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|---|--------|----------|------|------|-------------|--------------------|-----|
| Anions/Cations | | | | | | | |
| Alkalinity, Total (As CaCO ₃) | 292 | mg/L | | 5 | SM 2320B | 02/20/2012 1949 | MZ |
| Alkalinity, Bicarbonate as HCO ₃ | 334 | mg/L | | 5 | SM 2320B | 02/20/2012 1949 | MZ |
| Alkalinity, Carbonate as CO ₃ | 11 | mg/L | | 5 | SM 2320B | 02/20/2012 1949 | MZ |
| Chloride | 361 | mg/L | | 1 | EPA 300.0 | 02/20/2012 1436 | AMB |
| Fluoride | 0.8 | mg/L | | 0.1 | SM 4500FC | 02/20/2012 1949 | MZ |
| Nitrogen, Nitrate-Nitrite (as N) | ND | mg/L | | 0.1 | EPA 353.2 | 02/17/2012 1315 | MB |
| Sulfate | 45 | mg/L | | 1 | EPA 300.0 | 02/17/2012 1903 | AMB |
| Calcium | 14 | mg/L | | 1 | EPA 200.7 | 02/17/2012 1324 | DG |
| Magnesium | ND | mg/L | | 1 | EPA 200.7 | 02/17/2012 1324 | DG |
| Potassium | 25 | mg/L | | 1 | EPA 200.7 | 02/17/2012 1324 | DG |
| Sodium | 381 | mg/L | | 1 | EPA 200.7 | 02/17/2012 1324 | DG |
| Nitrogen, Ammonia (As N) | 0.4 | mg/L | | 0.1 | EPA 350.1 | 02/27/2012 1028 | MEL |
| Silica as SiO ₂ | 15 | mg/L | | 1 | EPA 200.7 | 02/17/2012 1324 | DG |
| General Parameters | | | | | | | |
| pH | 8.6 | s.u. | | 0.1 | SM 4500 H B | 02/20/2012 1949 | MZ |
| Electrical Conductivity | 1920 | µmhos/cm | | 1 | SM 2510B | 02/20/2012 1949 | MZ |
| Total Dissolved Solids (180) | 1000 | mg/L | | 10 | SM 2540 | 02/17/2012 1354 | ARF |
| Data Quality | | | | | | | |
| Cation Sum | 17.90 | meq/L | | 0.01 | SM 1030E | 03/27/2012 1331 | WN |
| Anion Sum | 17.01 | meq/L | | 0.01 | SM 1030E | 03/27/2012 1331 | WN |
| Cation-Anion Balance (± 5%) | 2.56 | % | | 0.01 | SM 1030E | 03/27/2012 1331 | WN |
| Solids, Total Dissolved (Calc) | 1020 | mg/L | | 10 | SM 1030E | 03/27/2012 1331 | WN |
| Calculated TDS/TDS Ratio (0.80-1.20) | 0.98 | dec. % | | 0.01 | Calculation | 03/27/2012 1333 | WN |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager

Page 13 of 33



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported: 3/26/2012
Report ID: S1202246001

ProjectName: Marsland Chadron Well Sampling
Lab ID: S1202246-005
ClientSample ID: Monitor 6
COC: 143865

WorkOrder: S1202246
CollectionDate: 2/13/2012
DateReceived: 2/16/2012 10:36:00 AM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | EPA 200.7 | 02/17/2012 1324 | DG |
| Arsenic | ND | mg/L | | 0.001 | EPA 200.8 | 02/16/2012 2012 | MS |
| Barium | 0.1 | mg/L | | 0.1 | EPA 200.8 | 02/16/2012 2012 | MS |
| Boron | 1.3 | mg/L | | 0.1 | EPA 200.7 | 02/17/2012 1324 | DG |
| Cadmium | ND | mg/L | | 0.005 | EPA 200.8 | 02/16/2012 2012 | MS |
| Chromium | ND | mg/L | | 0.05 | EPA 200.7 | 02/17/2012 1324 | DG |
| Copper | ND | mg/L | | 0.1 | EPA 200.8 | 02/16/2012 2012 | MS |
| Iron | ND | mg/L | | 0.05 | EPA 200.7 | 02/17/2012 1324 | DG |
| Lead | ND | mg/L | | 0.05 | EPA 200.8 | 02/16/2012 2012 | MS |
| Manganese | ND | mg/L | | 0.01 | EPA 200.7 | 02/17/2012 1324 | DG |
| Mercury | ND | mg/L | | 0.001 | EPA 245.1 | 02/21/2012 953 | BK |
| Molybdenum | ND | mg/L | | 0.1 | EPA 200.8 | 02/16/2012 2012 | MS |
| Nickel | ND | mg/L | | 0.05 | EPA 200.7 | 02/17/2012 1324 | DG |
| Selenium | 0.033 | mg/L | | 0.001 | EPA 200.8 | 02/16/2012 2012 | MS |
| Uranium | 0.0011 | mg/L | | 0.0003 | EPA 200.8 | 02/16/2012 2012 | MS |
| Uranium Activity | 0.7 | pCi/L | | 0.2 | Calculation | 03/27/2012 1333 | WN |
| Vanadium | ND | mg/L | | 0.02 | EPA 200.8 | 02/16/2012 2012 | MS |
| Zinc | ND | mg/L | | 0.01 | EPA 200.7 | 02/17/2012 1324 | DG |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 03/15/2012 1644 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 03/27/2012 1333 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | 1.6 | pCi/L | | 1 | OTW01 | 03/05/2012 1605 | SH |
| Lead 210 Precision (±) | 0.4 | pCi/L | | | OTW01 | 03/05/2012 1605 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 03/01/2012 1315 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 03/01/2012 1315 | SH |
| Radium 226 | 1.8 | pCi/L | | 0.2 | SM 7500-Ra B | 02/29/2012 1518 | SH |
| Radium 226 Precision (±) | 0.2 | pCi/L | | | SM 7500-Ra B | 02/29/2012 1518 | SH |
| Thorium 230 | 0.4 | pCi/L | | 0.2 | ACW10 | 02/28/2012 910 | WL |
| Thorium 230 Precision (±) | 0.2 | pCi/L | | | ACW10 | 02/28/2012 910 | WL |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported: 3/26/2012
Report ID: S1202246001

ProjectName: Marsland Chadron Well Sampling
Lab ID: S1202246-005
ClientSample ID: Monitor 6
COC: 143865

WorkOrder: S1202246
CollectionDate: 2/13/2012
DateReceived: 2/16/2012 10:36:00 AM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|----------------------------------|--------|-------|------|-----|--------------|--------------------|
| Radionuclides - Suspended | | | | | | |
| Lead 210 | 1.4 | pCi/L | | 1 | OTW01 | 03/06/2012 1640 SH |
| Lead 210 Precision (±) | 0.4 | pCi/L | | | OTW01 | 03/06/2012 1640 SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 03/02/2012 1300 SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 03/02/2012 1300 SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500-Ra B | 03/01/2012 1519 SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500-Ra B | 03/01/2012 1519 SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 03/12/2012 940 WL |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 03/12/2012 940 WL |

These results apply only to the samples tested.

RL - Reporting Limit

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds Maximum Contaminant Level | B Analyte detected in the associated Method Blank |
| | C Calculated Value | E Value above quantitation range |
| | H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| | L Analyzed by a contract laboratory | M Value exceeds Monthly Ave or MCL |
| | ND Not Detected at the Reporting Limit | O Outside the Range of Dilutions |
| | S Spike Recovery outside accepted recovery limits | |

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Inter-Mountain Labs

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported: 3/26/2012
Report ID: S1202246001

ProjectName: Marsland Chadron Well Sampling
Lab ID: S1202246-006
ClientSample ID: Monitor 7
COC: 143865

WorkOrder: S1202246
CollectionDate: 2/13/2012 10:15:00 AM
DateReceived: 2/16/2012 10:36:00 AM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|---|--------|----------|------|------|-------------|---------------------|
| Anions/Cations | | | | | | |
| Alkalinity, Total (As CaCO ₃) | 283 | mg/L | | 5 | SM 2320B | 02/20/2012 1958 MZ |
| Alkalinity, Bicarbonate as HCO ₃ | 321 | mg/L | | 5 | SM 2320B | 02/20/2012 1958 MZ |
| Alkalinity, Carbonate as CO ₃ | 12 | mg/L | | 5 | SM 2320B | 02/20/2012 1958 MZ |
| Chloride | 216 | mg/L | | 1 | EPA 300.0 | 02/20/2012 1450 AMB |
| Fluoride | 0.8 | mg/L | | 0.1 | SM 4500FC | 02/20/2012 1958 MZ |
| Nitrogen, Nitrate-Nitrite (as N) | ND | mg/L | | 0.1 | EPA 353.2 | 02/17/2012 1316 MB |
| Sulfate | 266 | mg/L | | 1 | EPA 300.0 | 02/17/2012 1914 AMB |
| Calcium | 7 | mg/L | | 1 | EPA 200.7 | 02/17/2012 1326 DG |
| Magnesium | 2 | mg/L | | 1 | EPA 200.7 | 02/17/2012 1326 DG |
| Potassium | 21 | mg/L | | 1 | EPA 200.7 | 02/17/2012 1326 DG |
| Sodium | 422 | mg/L | | 1 | EPA 200.7 | 02/17/2012 1326 DG |
| Nitrogen, Ammonia (As N) | 0.2 | mg/L | | 0.1 | EPA 350.1 | 02/27/2012 1029 MEL |
| Silica as SiO ₂ | 16 | mg/L | | 1 | EPA 200.7 | 02/17/2012 1326 DG |
| General Parameters | | | | | | |
| pH | 8.6 | s.u. | | 0.1 | SM 4500 H B | 02/20/2012 1958 MZ |
| Electrical Conductivity | 1970 | µmhos/cm | | 1 | SM 2510B | 02/20/2012 1958 MZ |
| Total Dissolved Solids (180) | 1130 | mg/L | | 10 | SM 2540 | 02/17/2012 1355 ARF |
| Data Quality | | | | | | |
| Cation Sum | 19.39 | meq/L | | 0.01 | SM 1030E | 03/27/2012 1331 WN |
| Anion Sum | 17.59 | meq/L | | 0.01 | SM 1030E | 03/27/2012 1331 WN |
| Cation-Anion Balance (± 5%) | 4.86 | % | | 0.01 | SM 1030E | 03/27/2012 1331 WN |
| Solids, Total Dissolved (Calc) | 1120 | mg/L | | 10 | SM 1030E | 03/27/2012 1331 WN |
| Calculated TDS/TDS Ratio (0.80-1.20) | 1.01 | dec. % | | 0.01 | Calculation | 03/27/2012 1333 WN |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Inter-Mountain Labs

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 3/26/2012
Report ID: S1202246001

ProjectName: Marsland Chadron Well Sampling
Lab ID: S1202246-006
ClientSample ID: Monitor 7
COC: 143865

WorkOrder: S1202246
CollectionDate: 2/13/2012 10:15:00 AM
DateReceived: 2/16/2012 10:36:00 AM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | EPA 200.7 | 02/17/2012 1326 | DG |
| Arsenic | 0.001 | mg/L | | 0.001 | EPA 200.8 | 02/16/2012 2017 | MS |
| Barium | ND | mg/L | | 0.1 | EPA 200.8 | 02/16/2012 2017 | MS |
| Boron | 1.4 | mg/L | | 0.1 | EPA 200.7 | 02/17/2012 1326 | DG |
| Cadmium | ND | mg/L | | 0.005 | EPA 200.8 | 02/16/2012 2017 | MS |
| Chromium | ND | mg/L | | 0.05 | EPA 200.7 | 02/17/2012 1326 | DG |
| Copper | ND | mg/L | | 0.1 | EPA 200.8 | 02/16/2012 2017 | MS |
| Iron | ND | mg/L | | 0.05 | EPA 200.7 | 02/17/2012 1326 | DG |
| Lead | ND | mg/L | | 0.05 | EPA 200.8 | 02/16/2012 2017 | MS |
| Manganese | ND | mg/L | | 0.01 | EPA 200.7 | 02/17/2012 1326 | DG |
| Mercury | ND | mg/L | | 0.001 | EPA 245.1 | 02/21/2012 955 | BK |
| Molybdenum | ND | mg/L | | 0.1 | EPA 200.8 | 02/16/2012 2017 | MS |
| Nickel | ND | mg/L | | 0.05 | EPA 200.7 | 02/17/2012 1326 | DG |
| Selenium | 0.011 | mg/L | | 0.001 | EPA 200.8 | 02/16/2012 2017 | MS |
| Uranium | 0.0004 | mg/L | | 0.0003 | EPA 200.8 | 02/16/2012 2017 | MS |
| Uranium Activity | 0.3 | pCi/L | | 0.2 | Calculation | 03/27/2012 1333 | WN |
| Vanadium | ND | mg/L | | 0.02 | EPA 200.8 | 02/16/2012 2017 | MS |
| Zinc | 0.04 | mg/L | | 0.01 | EPA 200.7 | 02/17/2012 1326 | DG |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 03/15/2012 1649 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 03/27/2012 1333 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 03/05/2012 1605 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 03/05/2012 1605 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 03/01/2012 1315 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 03/01/2012 1315 | SH |
| Radium 226 | 0.3 | pCi/L | | 0.2 | SM 7500-Ra B | 02/29/2012 1518 | SH |
| Radium 226 Precision (±) | 0.1 | pCi/L | | | SM 7500-Ra B | 02/29/2012 1518 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 02/29/2012 815 | WL |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 02/29/2012 815 | WL |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager

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**Sample Analysis Report**

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported: 3/26/2012
Report ID: S1202246001

ProjectName: Marsland Chadron Well Sampling
Lab ID: S1202246-006
ClientSample ID: Monitor 7
COC: 143865

WorkOrder: S1202246
CollectionDate: 2/13/2012 10:15:00 AM
DateReceived: 2/16/2012 10:36:00 AM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|-----|--------------|--------------------|----|
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | 1.2 | pCi/L | | 1 | OTW01 | 03/06/2012 1640 | SH |
| Lead 210 Precision (±) | 0.4 | pCi/L | | | OTW01 | 03/06/2012 1640 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 03/02/2012 1300 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 03/02/2012 1300 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500-Ra B | 03/01/2012 1519 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500-Ra B | 03/01/2012 1519 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 03/12/2012 1351 | WL |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 03/12/2012 1351 | WL |

These results apply only to the samples tested.**RL - Reporting Limit**

Qualifiers:

- Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager



Inter-Mountain Labs

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported: 3/26/2012
Report ID: S1202246001

ProjectName: Marsland Chadron Well Sampling
Lab ID: S1202246-007
ClientSample ID: Monitor 8
COC: 143865

WorkOrder: S1202246
CollectionDate: 2/13/2012
DateReceived: 2/16/2012 10:36:00 AM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init |
|---|--------|----------|------|------|-------------|---------------------|
| Anions/Cations | | | | | | |
| Alkalinity, Total (As CaCO ₃) | 274 | mg/L | | 5 | SM 2320B | 02/20/2012 2008 MZ |
| Alkalinity, Bicarbonate as HCO ₃ | 318 | mg/L | | 5 | SM 2320B | 02/20/2012 2008 MZ |
| Alkalinity, Carbonate as CO ₃ | 8 | mg/L | | 5 | SM 2320B | 02/20/2012 2008 MZ |
| Chloride | 197 | mg/L | | 1 | EPA 300.0 | 02/20/2012 1504 AMB |
| Fluoride | 0.7 | mg/L | | 0.1 | SM 4500FC | 02/20/2012 2008 MZ |
| Nitrogen, Nitrate-Nitrite (as N) | ND | mg/L | | 0.1 | EPA 353.2 | 02/17/2012 1317 MB |
| Sulfate | 349 | mg/L | | 1 | EPA 300.0 | 02/17/2012 1926 AMB |
| Calcium | 10 | mg/L | | 1 | EPA 200.7 | 02/17/2012 1328 DG |
| Magnesium | 2 | mg/L | | 1 | EPA 200.7 | 02/17/2012 1328 DG |
| Potassium | 24 | mg/L | | 1 | EPA 200.7 | 02/17/2012 1328 DG |
| Sodium | 441 | mg/L | | 1 | EPA 200.7 | 02/17/2012 1328 DG |
| Nitrogen, Ammonia (As N) | 0.3 | mg/L | | 0.1 | EPA 350.1 | 02/27/2012 1030 MEL |
| Silica as SiO ₂ | 16 | mg/L | | 1 | EPA 200.7 | 02/17/2012 1328 DG |
| General Parameters | | | | | | |
| pH | 8.5 | s.u. | | 0.1 | SM 4500 H B | 02/20/2012 2008 MZ |
| Electrical Conductivity | 2090 | µmhos/cm | | 1 | SM 2510B | 02/20/2012 2008 MZ |
| Total Dissolved Solids (180) | 1190 | mg/L | | 10 | SM 2540 | 02/17/2012 1356 ARF |
| Data Quality | | | | | | |
| Cation Sum | 20.51 | meq/L | | 0.01 | SM 1030E | 03/27/2012 1331 WN |
| Anion Sum | 18.60 | meq/L | | 0.01 | SM 1030E | 03/27/2012 1331 WN |
| Cation-Anion Balance (± 5%) | 4.86 | % | | 0.01 | SM 1030E | 03/27/2012 1331 WN |
| Solids, Total Dissolved (Calc) | 1200 | mg/L | | 10 | SM 1030E | 03/27/2012 1331 WN |
| Calculated TDS/TDS Ratio (0.80-1.20) | 0.99 | dec. % | | 0.01 | Calculation | 03/27/2012 1333 WN |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Inter-Mountain Labs

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported: 3/26/2012
Report ID: S1202246001

ProjectName: Marsland Chadron Well Sampling
Lab ID: S1202246-007
ClientSample ID: Monitor 8
COC: 143865

WorkOrder: S1202246
CollectionDate: 2/13/2012
DateReceived: 2/16/2012 10:36:00 AM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | EPA 200.7 | 02/17/2012 1328 | DG |
| Arsenic | ND | mg/L | | 0.001 | EPA 200.8 | 02/16/2012 2022 | MS |
| Barium | ND | mg/L | | 0.1 | EPA 200.8 | 02/16/2012 2022 | MS |
| Boron | 1.2 | mg/L | | 0.1 | EPA 200.7 | 02/17/2012 1328 | DG |
| Cadmium | ND | mg/L | | 0.005 | EPA 200.8 | 02/16/2012 2022 | MS |
| Chromium | ND | mg/L | | 0.05 | EPA 200.7 | 02/17/2012 1328 | DG |
| Copper | ND | mg/L | | 0.1 | EPA 200.8 | 02/16/2012 2022 | MS |
| Iron | ND | mg/L | | 0.05 | EPA 200.7 | 02/17/2012 1328 | DG |
| Lead | ND | mg/L | | 0.05 | EPA 200.8 | 02/16/2012 2022 | MS |
| Manganese | ND | mg/L | | 0.01 | EPA 200.7 | 02/17/2012 1328 | DG |
| Mercury | ND | mg/L | | 0.001 | EPA 245.1 | 02/21/2012 1004 | BK |
| Molybdenum | ND | mg/L | | 0.1 | EPA 200.8 | 02/16/2012 2022 | MS |
| Nickel | ND | mg/L | | 0.05 | EPA 200.7 | 02/17/2012 1328 | DG |
| Selenium | 0.012 | mg/L | | 0.001 | EPA 200.8 | 02/16/2012 2022 | MS |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 02/16/2012 2022 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 03/27/2012 1333 | WN |
| Vanadium | ND | mg/L | | 0.02 | EPA 200.8 | 02/16/2012 2022 | MS |
| Zinc | ND | mg/L | | 0.01 | EPA 200.7 | 02/17/2012 1328 | DG |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 03/15/2012 1654 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 03/27/2012 1333 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | 1.1 | pCi/L | | 1 | OTW01 | 03/05/2012 1605 | SH |
| Lead 210 Precision (±) | 0.4 | pCi/L | | | OTW01 | 03/05/2012 1605 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 03/01/2012 1315 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 03/01/2012 1315 | SH |
| Radium 226 | 0.4 | pCi/L | | 0.2 | SM 7500-Ra B | 02/29/2012 1518 | SH |
| Radium 226 Precision (±) | 0.1 | pCi/L | | | SM 7500-Ra B | 02/29/2012 1518 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 02/29/2012 815 | WL |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 02/29/2012 815 | WL |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager

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Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 3/26/2012
Report ID: S1202246001

ProjectName: Marsland Chadron Well Sampling
Lab ID: S1202246-007
ClientSample ID: Monitor 8
COC: 143865

WorkOrder: S1202246
CollectionDate: 2/13/2012
DateReceived: 2/16/2012 10:36:00 AM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|-----|--------------|--------------------|----|
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | ND | pCi/L | | 1 | OTW01 | 03/06/2012 1640 | SH |
| Lead 210 Precision (±) | NA | pCi/L | | | OTW01 | 03/06/2012 1640 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 03/02/2012 1300 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 03/02/2012 1300 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500-Ra B | 03/01/2012 1519 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500-Ra B | 03/01/2012 1519 | SH |
| Thorium 230 | 0.1 | pCi/L | | 0.2 | ACW10 | 03/02/2012 907 | WL |
| Thorium 230 Precision (±) | 0.1 | pCi/L | | | ACW10 | 03/02/2012 907 | WL |

These results apply only to the samples tested.**RL - Reporting Limit**

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
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- B Analyte detected in the associated Method Blank
- E Value above quantitation range
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Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager

Page 21 of 33



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported: 3/26/2012
Report ID: S1202246001

ProjectName: Marsland Chadron Well Sampling
Lab ID: S1202246-008
ClientSample ID: Monitor 9
COC: 143865

WorkOrder: S1202246
CollectionDate: 2/13/2012
DateReceived: 2/16/2012 10:36:00 AM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|---|--------|----------|------|------|-------------|--------------------|-----|
| Anions/Cations | | | | | | | |
| Alkalinity, Total (As CaCO ₃) | 336 | mg/L | | 5 | SM 2320B | 02/20/2012 2017 | MZ |
| Alkalinity, Bicarbonate as HCO ₃ | 381 | mg/L | | 5 | SM 2320B | 02/20/2012 2017 | MZ |
| Alkalinity, Carbonate as CO ₃ | 14 | mg/L | | 5 | SM 2320B | 02/20/2012 2017 | MZ |
| Chloride | 252 | mg/L | | 1 | EPA 300.0 | 02/17/2012 1937 | AMB |
| Fluoride | 0.8 | mg/L | | 0.1 | SM 4500FC | 02/20/2012 2017 | MZ |
| Nitrogen, Nitrate-Nitrite (as N) | ND | mg/L | | 0.1 | EPA 353.2 | 02/17/2012 1325 | MB |
| Sulfate | 78 | mg/L | | 1 | EPA 300.0 | 02/17/2012 1937 | AMB |
| Calcium | 3 | mg/L | | 1 | EPA 200.7 | 02/17/2012 1331 | DG |
| Magnesium | ND | mg/L | | 1 | EPA 200.7 | 02/17/2012 1331 | DG |
| Potassium | 19 | mg/L | | 1 | EPA 200.7 | 02/17/2012 1331 | DG |
| Sodium | 362 | mg/L | | 1 | EPA 200.7 | 02/17/2012 1331 | DG |
| Nitrogen, Ammonia (As N) | 0.3 | mg/L | | 0.1 | EPA 350.1 | 02/27/2012 1031 | MEL |
| Silica as SiO ₂ | 15 | mg/L | | 1 | EPA 200.7 | 02/17/2012 1331 | DG |
| General Parameters | | | | | | | |
| pH | 8.7 | s.u. | | 0.1 | SM 4500 H B | 02/20/2012 2017 | MZ |
| Electrical Conductivity | 1690 | µmhos/cm | | 1 | SM 2510B | 02/20/2012 2017 | MZ |
| Total Dissolved Solids (180) | 890 | mg/L | | 10 | SM 2540 | 02/17/2012 1357 | ARF |
| Data Quality | | | | | | | |
| Cation Sum | 16.40 | meq/L | | 0.01 | SM 1030E | 03/27/2012 1331 | WN |
| Anion Sum | 15.51 | meq/L | | 0.01 | SM 1030E | 03/27/2012 1331 | WN |
| Cation-Anion Balance (± 5%) | 2.77 | % | | 0.01 | SM 1030E | 03/27/2012 1331 | WN |
| Solids, Total Dissolved (Calc) | 930 | mg/L | | 10 | SM 1030E | 03/27/2012 1331 | WN |
| Calculated TDS/TDS Ratio (0.80-1.20) | 0.96 | dec. % | | 0.01 | Calculation | 03/27/2012 1333 | WN |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



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Your Environmental Monitoring Partner

Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported: 3/26/2012
Report ID: S1202246001

ProjectName: Marsland Chadron Well Sampling
Lab ID: S1202246-008
ClientSample ID: Monitor 9
COC: 143865

WorkOrder: S1202246
CollectionDate: 2/13/2012
DateReceived: 2/16/2012 10:36:00 AM
FieldSampler: VN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|--------|--------------|--------------------|----|
| Metals - Dissolved | | | | | | | |
| Aluminum | ND | mg/L | | 0.1 | EPA 200.7 | 02/17/2012 1331 | DG |
| Arsenic | ND | mg/L | | 0.001 | EPA 200.8 | 02/16/2012 2027 | MS |
| Barium | ND | mg/L | | 0.1 | EPA 200.8 | 02/16/2012 2027 | MS |
| Boron | 1.2 | mg/L | | 0.1 | EPA 200.7 | 02/17/2012 1331 | DG |
| Cadmium | ND | mg/L | | 0.005 | EPA 200.8 | 02/16/2012 2027 | MS |
| Chromium | ND | mg/L | | 0.05 | EPA 200.7 | 02/17/2012 1331 | DG |
| Copper | ND | mg/L | | 0.1 | EPA 200.8 | 02/16/2012 2027 | MS |
| Iron | ND | mg/L | | 0.05 | EPA 200.7 | 02/17/2012 1331 | DG |
| Lead | ND | mg/L | | 0.05 | EPA 200.8 | 02/16/2012 2027 | MS |
| Manganese | ND | mg/L | | 0.01 | EPA 200.7 | 02/17/2012 1331 | DG |
| Mercury | ND | mg/L | | 0.001 | EPA 245.1 | 02/21/2012 1012 | BK |
| Molybdenum | ND | mg/L | | 0.1 | EPA 200.8 | 02/16/2012 2027 | MS |
| Nickel | ND | mg/L | | 0.05 | EPA 200.7 | 02/17/2012 1331 | DG |
| Selenium | 0.011 | mg/L | | 0.001 | EPA 200.8 | 02/16/2012 2027 | MS |
| Uranium | 0.0022 | mg/L | | 0.0003 | EPA 200.8 | 02/16/2012 2027 | MS |
| Uranium Activity | 1.5 | pCi/L | | 0.2 | Calculation | 03/27/2012 1333 | WN |
| Vanadium | ND | mg/L | | 0.02 | EPA 200.8 | 02/16/2012 2027 | MS |
| Zinc | ND | mg/L | | 0.01 | EPA 200.7 | 02/17/2012 1331 | DG |
| Metals - Suspended | | | | | | | |
| Uranium | ND | mg/L | | 0.0003 | EPA 200.8 | 03/15/2012 1659 | MS |
| Uranium Activity | ND | pCi/L | | 0.2 | Calculation | 03/27/2012 1333 | WN |
| Radionuclides - Dissolved | | | | | | | |
| Lead 210 | 1.9 | pCi/L | | 1 | OTW01 | 03/05/2012 1605 | SH |
| Lead 210 Precision (±) | 0.4 | pCi/L | | | OTW01 | 03/05/2012 1605 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 03/01/2012 1315 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 03/01/2012 1315 | SH |
| Radium 226 | 0.3 | pCi/L | | 0.2 | SM 7500-Ra B | 02/29/2012 1518 | SH |
| Radium 226 Precision (±) | 0.1 | pCi/L | | | SM 7500-Ra B | 02/29/2012 1518 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 02/29/2012 815 | WL |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 02/29/2012 815 | WL |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 3/26/2012
Report ID: S1202246001

ProjectName: Marsland Chadron Well Sampling
Lab ID: S1202246-008
ClientSample ID: Monitor 9
COC: 143865

WorkOrder: S1202246
CollectionDate: 2/13/2012
DateReceived: 2/16/2012 10:36:00 AM
FieldSampler: WN
Matrix: Water

Comments

| Analyses | Result | Units | Qual | RL | Method | Date Analyzed/Init | |
|----------------------------------|--------|-------|------|-----|--------------|--------------------|----|
| Radionuclides - Suspended | | | | | | | |
| Lead 210 | 1.4 | pCi/L | | 1 | OTW01 | 03/06/2012 1640 | SH |
| Lead 210 Precision (±) | 0.4 | pCi/L | | | OTW01 | 03/06/2012 1640 | SH |
| Polonium 210 | ND | pCi/L | | 1 | OTW01 | 03/02/2012 1300 | SH |
| Polonium 210 Precision (±) | NA | pCi/L | | | OTW01 | 03/02/2012 1300 | SH |
| Radium 226 | ND | pCi/L | | 0.2 | SM 7500-Ra B | 03/01/2012 1519 | SH |
| Radium 226 Precision (±) | NA | pCi/L | | | SM 7500-Ra B | 03/01/2012 1519 | SH |
| Thorium 230 | ND | pCi/L | | 0.2 | ACW10 | 03/02/2012 908 | WL |
| Thorium 230 Precision (±) | NA | pCi/L | | | ACW10 | 03/02/2012 908 | WL |

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- C Calculated Value
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- M Value exceeds Monthly Ave or MCL
- O Outside the Range of Dilutions

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager

**ANALYTICAL QC SUMMARY REPORT****CLIENT:** Cameco Resources, Crow Butte Operation**Date:** 4/19/2013**Work Order:** S1303289**Report ID:** S1303289001**Project:** Marsland Private Wells 1st Qtr. 2013**Dissolved Metals by ICPMS EPA 200.8 - Water**Sample Type **MBLK** Units: mg/L

| Sample ID | RunNo: 93230 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|---------|--------|-------|-------|----------|------|--------------|------|
| MBLK | 03/21/13 10:49 | Uranium | ND | 0.001 | | | | | |

Sample Type **LCS** Units: mg/L

| Sample ID | RunNo: 93230 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|---------|--------|-------|-------|----------|------|--------------|------|
| LCS | 03/21/13 10:44 | Uranium | 0.099 | 0.001 | 0.1 | | 99.3 | 85 - 115 | |

Sample Type **MS** Units: mg/L

| Sample ID | RunNo: 93230 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|----------------|----------------|---------|--------|-------|-------|----------|------|--------------|------|
| S1303289-009BS | 03/21/13 14:39 | Uranium | 1.15 | 0.001 | 1.1 | 0.007 | 104 | 70 - 130 | |

Sample Type **MSD** Units: mg/L

| Sample ID | RunNo: 93230 | Analyte | Result | RL | Conc | %RPD | %REC | % RPD Limits | Qual |
|------------------|----------------|---------|--------|-------|------|------|------|--------------|------|
| S1303289-009BMSD | 03/21/13 14:44 | Uranium | 1.10 | 0.001 | 1.15 | 4.31 | 99.5 | 20 | |

Sample Type **DUP** Units: mg/L

| Sample ID | RunNo: 93230 | Analyte | Result | RL | Ref Samp | %RPD | %REC | % RPD Limits | Qual |
|----------------|----------------|---------|--------|-------|----------|------|------|--------------|------|
| S1303289-009BD | 03/21/13 14:34 | Uranium | 0.007 | 0.001 | 0.007 | 1.85 | | 20 | |

Qualifiers:

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits

- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits



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ANALYTICAL QC SUMMARY REPORT**CLIENT:** Cameco Resources, Crow Butte Operation**Date:** 4/19/2013**Work Order:** S1303289**Report ID:** S1303289001**Project:** Marsland Private Wells 1st Qtr. 2013**Lead 210 in Water - Dissolved**Sample Type **MBLK** Units: pCi/L

| Sample ID | RunNo: 93968 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|----------------------|--------|----|-------|----------|------|--------------|------|
| MB13-080 | 04/04/13 16:29 | Lead 210 (Dissolved) | ND | 1 | | | | | |

| Sample ID | RunNo: 93976 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|----------------------|--------|----|-------|----------|------|--------------|------|
| MB13-082 | 04/05/13 17:16 | Lead 210 (Dissolved) | ND | 1 | | | | | |

| Sample ID | RunNo: 94170 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|----------------------|--------|----|-------|----------|------|--------------|------|
| MB13-084 | 04/07/13 10:40 | Lead 210 (Dissolved) | ND | 1 | | | | | |

Sample Type **LCS** Units: pCi/L

| Sample ID | RunNo: 93968 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|----------------------|--------|----|-------|----------|------|--------------|------|
| LCS13-080 | 04/04/13 16:29 | Lead 210 (Dissolved) | 14 | 1 | 12.4 | | 111 | 50 - 150 | |

| Sample ID | RunNo: 93976 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|----------------------|--------|----|-------|----------|------|--------------|------|
| LCS13-082 | 04/05/13 17:16 | Lead 210 (Dissolved) | 14 | 1 | 12.4 | | 117 | 50 - 150 | |

| Sample ID | RunNo: 94170 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|----------------------|--------|----|-------|----------|------|--------------|------|
| LCS13-084 | 04/06/13 18:45 | Lead 210 (Dissolved) | 14 | 1 | 12.4 | | 113 | 50 - 150 | |

Sample Type **MS** Units: pCi/L

| Sample ID | RunNo: 93976 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------------|----------------|----------------------|--------|----|-------|----------|------|--------------|------|
| S1303289-002CMS | 04/05/13 19:22 | Lead 210 (Dissolved) | 14 | 1 | 12.1 | ND | 114 | 50 - 150 | |

| Sample ID | RunNo: 93976 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------------|----------------|----------------------|--------|----|-------|----------|------|--------------|------|
| S1303289-003CMS | 04/05/13 19:22 | Lead 210 (Dissolved) | 14 | 1 | 12.1 | ND | 112 | 50 - 150 | |

| Sample ID | RunNo: 94170 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------------|----------------|----------------------|--------|----|-------|----------|------|--------------|------|
| S1303289-011CMS | 04/06/13 18:45 | Lead 210 (Dissolved) | 13 | 1 | 12.1 | ND | 108 | 50 - 150 | |

| Sample ID | RunNo: 94170 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------------|----------------|----------------------|--------|----|-------|----------|------|--------------|------|
| S1303289-012CMS | 04/06/13 18:45 | Lead 210 (Dissolved) | 13 | 1 | 12.1 | ND | 106 | 50 - 150 | |

Sample Type **DUP** Units: pCi/L

| Sample ID | RunNo: 93976 | Analyte | Result | RL | Ref Samp | %RPD | %REC | % RPD Limits | Qual |
|------------------|----------------|----------------------|--------|----|----------|------|------|--------------|------|
| S1303289-001CDUP | 04/05/13 19:22 | Lead 210 (Dissolved) | ND | 1 | ND | | | 20 | |

| Sample ID | RunNo: 94170 | Analyte | Result | RL | Ref Samp | %RPD | %REC | % RPD Limits | Qual |
|------------------|----------------|----------------------|--------|----|----------|------|------|--------------|------|
| S1303289-010CDUP | 04/06/13 18:45 | Lead 210 (Dissolved) | ND | 1 | ND | | | 20 | |

Qualifiers:

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits

- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits



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ANALYTICAL QC SUMMARY REPORT**CLIENT:** Cameco Resources, Crow Butte Operation**Date:** 4/19/2013**Work Order:** S1303289**Report ID:** S1303289001**Project:** Marsland Private Wells 1st Qtr. 2013**Lead 210 in Water - Suspended**Sample Type **MBLK** Units: pCi/L

| Sample ID | RunNo: 93968 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|----------------------|--------|----|-------|----------|------|--------------|------|
| MB13-080 | 04/04/13 16:29 | Lead 210 (Suspended) | ND | 1 | | | | | |

| Sample ID | RunNo: 93976 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|----------------------|--------|----|-------|----------|------|--------------|------|
| MB13-082 | 04/05/13 17:16 | Lead 210 (Suspended) | ND | 1 | | | | | |

| Sample ID | RunNo: 94170 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|----------------------|--------|----|-------|----------|------|--------------|------|
| MB13-084 | 04/06/13 18:45 | Lead 210 (Suspended) | ND | 1 | | | | | |

Sample Type **LCS** Units: pCi/L

| Sample ID | RunNo: 93968 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|----------------------|--------|----|-------|----------|------|--------------|------|
| LCS13-080 | 04/04/13 16:29 | Lead 210 (Suspended) | 14 | 1 | 12.4 | | 111 | 60.3 - 141 | |

| Sample ID | RunNo: 93976 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|----------------------|--------|----|-------|----------|------|--------------|------|
| LCS13-082 | 04/05/13 17:16 | Lead 210 (Suspended) | 14 | 1 | 12.4 | | 117 | 60.3 - 141 | |

| Sample ID | RunNo: 94170 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|----------------------|--------|----|-------|----------|------|--------------|------|
| LCS13-084 | 04/06/13 18:45 | Lead 210 (Suspended) | 14 | 1 | 12.4 | | 113 | 60.3 - 141 | |

Sample Type **MS** Units: pCi/L

| Sample ID | RunNo: 93976 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------------|----------------|----------------------|--------|----|-------|----------|------|--------------|------|
| S1303289-002CMS | 04/05/13 19:22 | Lead 210 (Suspended) | 14 | 1 | 12.1 | ND | 114 | 62.4 - 132 | |

| Sample ID | RunNo: 93976 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------------|----------------|----------------------|--------|----|-------|----------|------|--------------|------|
| S1303289-003CMS | 04/05/13 19:22 | Lead 210 (Suspended) | 14 | 1 | 12.1 | ND | 112 | 62.4 - 132 | |

| Sample ID | RunNo: 94170 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------------|----------------|----------------------|--------|----|-------|----------|------|--------------|------|
| S1303289-011CMS | 04/06/13 18:45 | Lead 210 (Suspended) | 13 | 1 | 12.1 | ND | 108 | 62.4 - 132 | |

| Sample ID | RunNo: 94170 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------------|----------------|----------------------|--------|----|-------|----------|------|--------------|------|
| S1303289-012CMS | 04/06/13 18:45 | Lead 210 (Suspended) | 13 | 1 | 12.1 | ND | 106 | 62.4 - 132 | |

Sample Type **DUP** Units: pCi/L

| Sample ID | RunNo: 93976 | Analyte | Result | RL | Ref Samp | %RPD | %REC | % RPD Limits | Qual |
|------------------|----------------|----------------------|--------|----|----------|------|------|--------------|------|
| S1303289-001CDUP | 04/05/13 19:22 | Lead 210 (Suspended) | ND | 1 | ND | | | 20 | |

| Sample ID | RunNo: 94170 | Analyte | Result | RL | Ref Samp | %RPD | %REC | % RPD Limits | Qual |
|------------------|----------------|----------------------|--------|----|----------|------|------|--------------|------|
| S1303289-010CDUP | 04/06/13 18:45 | Lead 210 (Suspended) | ND | 1 | ND | | | 20 | |

Qualifiers:

| | | | |
|---|--|----|--|
| B | Analyte detected in the associated Method Blank | E | Value above quantitation range |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| L | Analyzed by a contract laboratory | ND | Not Detected at the Reporting Limit |
| O | Outside the Range of Dilutions | R | RPD outside accepted recovery limits |
| S | Spike Recovery outside accepted recovery limits | | |

**ANALYTICAL QC SUMMARY REPORT****CLIENT:** Cameco Resources, Crow Butte Operation**Date:** 4/19/2013**Work Order:** S1303289**Report ID:** S1303289001**Project:** Marsland Private Wells 1st Qtr. 2013**Polonium 210 in Water - Dissolved**Sample Type **MBLK** Units: pCi/L

| Sample ID | RunNo: 93970 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|--------------------------|--------|----|-------|----------|------|--------------|------|
| MB13-080 | 04/04/13 14:40 | Polonium 210 (Dissolved) | ND | 1 | | | | | |

| Sample ID | RunNo: 93977 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|--------------------------|--------|----|-------|----------|------|--------------|------|
| MB13-082 | 04/05/13 15:01 | Polonium 210 (Dissolved) | ND | 1 | | | | | |

| Sample ID | RunNo: 94171 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|---------------|--------------------------|--------|----|-------|----------|------|--------------|------|
| MB13-084 | 04/06/13 0:00 | Polonium 210 (Dissolved) | ND | 1 | | | | | |

Sample Type **LCS** Units: pCi/L

| Sample ID | RunNo: 93970 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|--------------------------|--------|----|-------|----------|------|--------------|------|
| LCS13-080 | 04/04/13 13:18 | Polonium 210 (Dissolved) | 1 | 1 | 1.08 | | 115 | 35.1 - 175 | |

| Sample ID | RunNo: 93977 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|--------------------------|--------|----|-------|----------|------|--------------|------|
| LCS13-082 | 04/05/13 15:01 | Polonium 210 (Dissolved) | 1 | 1 | 1.07 | | 96.8 | 35.1 - 175 | |

| Sample ID | RunNo: 94171 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|---------------|--------------------------|--------|----|-------|----------|------|--------------|------|
| LCS13-084 | 04/06/13 0:00 | Polonium 210 (Dissolved) | 10 | 1 | 12.1 | | 81.4 | 35.1 - 175 | |

Sample Type **MS** Units: pCi/L

| Sample ID | RunNo: 93977 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------------|----------------|--------------------------|--------|----|-------|----------|------|--------------|------|
| S1303289-002CMS | 04/05/13 16:11 | Polonium 210 (Dissolved) | 17 | 1 | 12.1 | ND | 138 | 20.9 - 160 | |

| Sample ID | RunNo: 93977 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------------|----------------|--------------------------|--------|----|-------|----------|------|--------------|------|
| S1303289-003CMS | 04/05/13 16:11 | Polonium 210 (Dissolved) | 7 | 1 | 12.1 | ND | 61.8 | 20.9 - 160 | |

| Sample ID | RunNo: 94171 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------------|---------------|--------------------------|--------|----|-------|----------|------|--------------|------|
| S1303289-011CMS | 04/06/13 0:00 | Polonium 210 (Dissolved) | 11 | 1 | 12.1 | ND | 86.3 | 20.9 - 160 | |

| Sample ID | RunNo: 94171 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------------|---------------|--------------------------|--------|----|-------|----------|------|--------------|------|
| S1303289-012CMS | 04/06/13 0:00 | Polonium 210 (Dissolved) | 14 | 1 | 12.1 | ND | 114 | 20.9 - 160 | |

Sample Type **DUP** Units: pCi/L

| Sample ID | RunNo: 93977 | Analyte | Result | RL | Ref Samp | %RPD | %REC | % RPD Limits | Qual |
|------------------|----------------|--------------------------|--------|----|----------|------|------|--------------|------|
| S1303289-001CDUP | 04/05/13 16:11 | Polonium 210 (Dissolved) | ND | 1 | ND | | | 20 | |

| Sample ID | RunNo: 94171 | Analyte | Result | RL | Ref Samp | %RPD | %REC | % RPD Limits | Qual |
|------------------|---------------|--------------------------|--------|----|----------|------|------|--------------|------|
| S1303289-010CDUP | 04/06/13 0:00 | Polonium 210 (Dissolved) | ND | 1 | ND | | | 20 | |

Qualifiers:

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits

- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits



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ANALYTICAL QC SUMMARY REPORT**CLIENT:** Cameco Resources, Crow Butte Operation**Date:** 4/19/2013**Work Order:** S1303289**Report ID:** S1303289001**Project:** Marsland Private Wells 1st Qtr. 2013**Polonium 210 in Water - Suspended**Sample Type **MBLK** Units: pCi/L

| Sample ID | RunNo: 93970 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|--------------------------|--------|----|-------|----------|------|--------------|------|
| MB13-080 | 04/04/13 13:18 | Polonium 210 (Suspended) | ND | 1 | | | | | |

| Sample ID | RunNo: 93977 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|--------------------------|--------|----|-------|----------|------|--------------|------|
| DMB13-082 | 04/05/13 15:01 | Polonium 210 (Suspended) | ND | 1 | | | | | |

| Sample ID | RunNo: 94171 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|---------------|--------------------------|--------|----|-------|----------|------|--------------|------|
| MB13-084 | 04/06/13 0:00 | Polonium 210 (Suspended) | ND | 1 | | | | | |

Sample Type **LCS** Units: pCi/L

| Sample ID | RunNo: 93970 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|--------------------------|--------|----|-------|----------|------|--------------|------|
| LCS13-080 | 04/04/13 13:18 | Polonium 210 (Suspended) | 1 | 1 | 1.08 | | 115 | 48.6 - 156 | |

| Sample ID | RunNo: 93977 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|--------------------------|--------|----|-------|----------|------|--------------|------|
| LCS13-082 | 04/05/13 15:01 | Polonium 210 (Suspended) | 1 | 1 | 1.07 | | 96.8 | 48.6 - 156 | |

| Sample ID | RunNo: 94171 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|---------------|--------------------------|--------|----|-------|----------|------|--------------|------|
| LCS13-084 | 04/06/13 0:00 | Polonium 210 (Suspended) | 10 | 1 | 12.1 | | 81.4 | 48.6 - 156 | |

Sample Type **MS** Units: pCi/L

| Sample ID | RunNo: 93977 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------------|----------------|--------------------------|--------|----|-------|----------|------|--------------|------|
| S1303289-002CMS | 04/05/13 16:11 | Polonium 210 (Suspended) | 17 | 1 | 12.1 | ND | 138 | 28 - 173 | |

| Sample ID | RunNo: 93977 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------------|----------------|--------------------------|--------|----|-------|----------|------|--------------|------|
| S1303289-003CMS | 04/05/13 16:11 | Polonium 210 (Suspended) | 7 | 1 | 12.1 | ND | 61.8 | 28 - 173 | |

| Sample ID | RunNo: 94171 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------------|---------------|--------------------------|--------|----|-------|----------|------|--------------|------|
| S1303289-011CMS | 04/06/13 0:00 | Polonium 210 (Suspended) | 11 | 1 | 12.1 | ND | 86.3 | 28 - 173 | |

| Sample ID | RunNo: 94171 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------------|---------------|--------------------------|--------|----|-------|----------|------|--------------|------|
| S1303289-012CMS | 04/06/13 0:00 | Polonium 210 (Suspended) | 14 | 1 | 12.1 | ND | 114 | 28 - 173 | |

Sample Type **DUP** Units: pCi/L

| Sample ID | RunNo: 93977 | Analyte | Result | RL | Ref Samp | %RPD | %REC | % RPD Limits | Qual |
|------------------|----------------|--------------------------|--------|----|----------|------|------|--------------|------|
| S1303289-001CDUP | 04/05/13 16:11 | Polonium 210 (Suspended) | ND | 1 | ND | | | 20 | |

| Sample ID | RunNo: 94171 | Analyte | Result | RL | Ref Samp | %RPD | %REC | % RPD Limits | Qual |
|------------------|---------------|--------------------------|--------|----|----------|------|------|--------------|------|
| S1303289-010CDUP | 04/06/13 0:00 | Polonium 210 (Suspended) | ND | 1 | ND | | | 20 | |

Qualifiers:

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits

- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits

**ANALYTICAL QC SUMMARY REPORT****CLIENT:** Cameco Resources, Crow Butte Operation**Date:** 4/19/2013**Work Order:** S1303289**Report ID:** S1303289001**Project:** Marsland Private Wells 1st Qtr. 2013**Radium 226 in Water - Dissolved**Sample Type **MBLK** Units: pCi/L

| Sample ID | RunNo: 93621 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|------------------------|--------|-----|-------|----------|------|--------------|------|
| MB13-084 | 04/01/13 16:19 | Radium 226 (Dissolved) | ND | 0.2 | | | | | |

Sample Type **LCS** Units: pCi/L

| Sample ID | RunNo: 93621 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|------------------------|--------|-----|-------|----------|------|--------------|------|
| LCS13-084 | 04/01/13 16:19 | Radium 226 (Dissolved) | 4.8 | 0.2 | 5.18 | | 93.6 | 62.5 - 125 | |

Sample Type **MS** Units: pCi/L

| Sample ID | RunNo: 93621 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|--------------|----------------|------------------------|--------|-----|-------|----------|------|--------------|------|
| TAP WATER MS | 04/01/13 18:51 | Radium 226 (Dissolved) | 5.5 | 0.2 | 5.18 | ND | 107 | 41.6 - 146 | |

Sample Type **MSD** Units: pCi/L

| Sample ID | RunNo: 93621 | Analyte | Result | RL | Conc | %RPD | %REC | % RPD Limits | Qual |
|---------------|----------------|------------------------|--------|-----|------|------|------|--------------|------|
| TAP WATER MSD | 04/01/13 18:51 | Radium 226 (Dissolved) | 5.1 | 0.2 | 5.5 | 7.59 | 98.6 | 20 | |

Radium 226 in Water - SuspendedSample Type **MBLK** Units: pCi/L

| Sample ID | RunNo: 93654 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|---------------|------------------------|--------|-----|-------|----------|------|--------------|------|
| MB13-084 | 04/02/13 9:18 | Radium 226 (Suspended) | ND | 0.2 | | | | | |

| Sample ID | RunNo: 93654 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|---------------|------------------------|--------|-----|-------|----------|------|--------------|------|
| MB13-084B | 04/02/13 9:18 | Radium 226 (Suspended) | ND | 0.2 | | | | | |

Sample Type **LCS** Units: pCi/L

| Sample ID | RunNo: 93654 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|---------------|------------------------|--------|-----|-------|----------|------|--------------|------|
| LCS13-084 | 04/02/13 9:18 | Radium 226 (Suspended) | 5.1 | 0.2 | 5.18 | | 98.8 | 56.4 - 132 | |

| Sample ID | RunNo: 93654 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|------------|---------------|------------------------|--------|-----|-------|----------|------|--------------|------|
| LCS13-084B | 04/02/13 9:18 | Radium 226 (Suspended) | 5.1 | 0.2 | 5.18 | | 97.7 | 56.4 - 132 | |

Sample Type **MS** Units: pCi/L

| Sample ID | RunNo: 93654 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------------|----------------|------------------------|--------|-----|-------|----------|------|--------------|------|
| S1303289-006CMS | 04/02/13 11:51 | Radium 226 (Suspended) | 5.2 | 0.2 | 5.18 | ND | 101 | 51.4 - 135 | |

| Sample ID | RunNo: 93654 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------------|----------------|------------------------|--------|-----|-------|----------|------|--------------|------|
| S1303289-008CMS | 04/02/13 11:51 | Radium 226 (Suspended) | 5.6 | 0.2 | 5.18 | ND | 108 | 51.4 - 135 | |

Sample Type **DUP** Units: pCi/L

| Sample ID | RunNo: 93654 | Analyte | Result | RL | Ref Samp | %RPD | %REC | % RPD Limits | Qual |
|------------------|----------------|------------------------|--------|-----|----------|------|------|--------------|------|
| S1303289-005CDUP | 04/02/13 11:51 | Radium 226 (Suspended) | ND | 0.2 | ND | | | 20 | |

Qualifiers:

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits

- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits



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ANALYTICAL QC SUMMARY REPORT**CLIENT:** Cameco Resources, Crow Butte Operation**Date:** 4/19/2013**Work Order:** S1303289**Report ID:** S1303289001**Project:** Marsland Private Wells 1st Qtr. 2013**Radium 226 in Water - Suspended**Sample Type **DUP** Units: pCi/L

| Sample ID | RunNo: 93654 | Analyte | Result | RL | Ref Samp | %RPD | %REC | % RPD Limits | Qual |
|------------------|----------------|------------------------|--------|-----|----------|------|------|--------------|------|
| S1303289-007CDUP | 04/02/13 11:51 | Radium 226 (Suspended) | ND | 0.2 | ND | | | 20 | |

Thorium 230 in Water - DissolvedSample Type **MBLK** Units: pCi/L

| Sample ID | RunNo: 93761 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|---------------|-------------------------|--------|-----|-------|----------|------|--------------|------|
| MB13-085 | 04/02/13 8:19 | Thorium 230 (Dissolved) | ND | 0.2 | | | | | |

| Sample ID | RunNo: 93915 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|-------------------------|--------|-----|-------|----------|------|--------------|------|
| MB13-086 | 04/08/13 13:53 | Thorium 230 (Dissolved) | ND | 0.2 | | | | | |

Sample Type **LCS** Units: pCi/L

| Sample ID | RunNo: 93761 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|---------------|-------------------------|--------|-----|-------|----------|------|--------------|------|
| LCS13-085 | 04/02/13 8:19 | Thorium 230 (Dissolved) | 15 | 0.2 | 12 | | 124 | 67.1 - 134 | |

| Sample ID | RunNo: 93915 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|-------------------------|--------|-----|-------|----------|------|--------------|------|
| LCS13-086 | 04/08/13 13:53 | Thorium 230 (Dissolved) | 16 | 0.2 | 12 | | 128 | 67.1 - 134 | |

Sample Type **DUP** Units: pCi/L

| Sample ID | RunNo: 93761 | Analyte | Result | RL | Ref Samp | %RPD | %REC | % RPD Limits | Qual |
|------------------|---------------|-------------------------|--------|-----|----------|------|------|--------------|------|
| S1303289-004CDUP | 04/03/13 8:05 | Thorium 230 (Dissolved) | ND | 0.2 | ND | | | 20 | |

Thorium 230 in Water - SuspendedSample Type **MBLK** Units: pCi/L

| Sample ID | RunNo: 93761 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|-------------------------|--------|-----|-------|----------|------|--------------|------|
| MB13-085 | 04/02/13 12:24 | Thorium 230 (Suspended) | ND | 0.2 | | | | | |

Sample Type **LCS** Units: pCi/L

| Sample ID | RunNo: 93761 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|---------------|-------------------------|--------|-----|-------|----------|------|--------------|------|
| LCS13-085 | 04/02/13 8:19 | Thorium 230 (Suspended) | 15 | 0.2 | 12 | | 124 | 69.2 - 127 | |

Sample Type **DUP** Units: pCi/L

| Sample ID | RunNo: 93761 | Analyte | Result | RL | Ref Samp | %RPD | %REC | % RPD Limits | Qual |
|------------------|---------------|-------------------------|--------|-----|----------|------|------|--------------|------|
| S1303289-004CDUP | 04/03/13 8:05 | Thorium 230 (Suspended) | ND | 0.2 | ND | | | 20 | |

| Sample ID | RunNo: 93915 | Analyte | Result | RL | Ref Samp | %RPD | %REC | % RPD Limits | Qual |
|------------------|----------------|-------------------------|--------|-----|----------|------|------|--------------|------|
| S1303289-013CDUP | 04/09/13 12:46 | Thorium 230 (Suspended) | ND | 0.2 | ND | | | 20 | |

Qualifiers:

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits

- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits

**ANALYTICAL QC SUMMARY REPORT****CLIENT:** Cameco Resources, Crow Butte Operation**Date:** 4/19/2013**Work Order:** S1303289**Report ID:** S1303289001**Project:** Marsland Private Wells 1st Qtr. 2013**Suspended Natural Uranium**Sample Type **MBLK** Units: mg/L

| Sample ID | RunNo: 93385 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|-------------------|--------|--------|-------|----------|------|--------------|------|
| MBLK | 03/26/13 12:34 | Uranium Suspended | ND | 0.0003 | | | | | |

Sample Type **LCS** Units: mg/L

| Sample ID | RunNo: 93385 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|-------------------|--------|--------|-------|----------|------|--------------|------|
| LCS | 03/26/13 12:29 | Uranium Suspended | 0.0997 | 0.0003 | 0.1 | | 99.7 | 85 - 115 | |

Sample Type **MS** Units: mg/L

| Sample ID | RunNo: 93260 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|----------------|----------------|-------------------|--------|--------|-------|----------|------|--------------|------|
| S1303289-001BS | 03/22/13 18:43 | Uranium Suspended | 1.11 | 0.0003 | 1.1 | ND | 101 | 70 - 130 | |

| Sample ID | RunNo: 93385 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|----------------|----------------|-------------------|--------|--------|-------|----------|------|--------------|------|
| S1303289-010BS | 03/26/13 15:06 | Uranium Suspended | 1.11 | 0.0003 | 1.1 | ND | 101 | 70 - 130 | |

Sample Type **MSD** Units: mg/L

| Sample ID | RunNo: 93260 | Analyte | Result | RL | Conc | %RPD | %REC | % RPD Limits | Qual |
|------------------|----------------|-------------------|--------|--------|------|------|------|--------------|------|
| S1303289-001BMSD | 03/22/13 18:48 | Uranium Suspended | 1.09 | 0.0003 | 1.11 | 2.06 | 99.0 | 20 | |

| Sample ID | RunNo: 93385 | Analyte | Result | RL | Conc | %RPD | %REC | % RPD Limits | Qual |
|------------------|----------------|-------------------|--------|--------|------|------|------|--------------|------|
| S1303289-010BMSD | 03/26/13 15:20 | Uranium Suspended | 1.13 | 0.0003 | 1.11 | 1.96 | 103 | 20 | |

Sample Type **DUP** Units: mg/L

| Sample ID | RunNo: 93260 | Analyte | Result | RL | Ref Samp | %RPD | %REC | % RPD Limits | Qual |
|----------------|----------------|-------------------|--------|--------|----------|------|------|--------------|------|
| S1303289-001BD | 03/22/13 18:38 | Uranium Suspended | ND | 0.0003 | ND | | | 20 | |

| Sample ID | RunNo: 93385 | Analyte | Result | RL | Ref Samp | %RPD | %REC | % RPD Limits | Qual |
|----------------|----------------|-------------------|--------|--------|----------|------|------|--------------|------|
| S1303289-010BD | 03/26/13 15:01 | Uranium Suspended | ND | 0.0003 | ND | | | 20 | |

Qualifiers:

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits

- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits



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1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

ANALYTICAL QC SUMMARY REPORT**CLIENT:** Cameco Resources, Crow Butte Operation**Date:** 4/29/2013**Work Order:** S1303398**Report ID:** S1303398001**Project:** Marsland Private Wells 1st Qtr 2013**Dissolved Metals by ICPMS EPA 200.8 - Water**Sample Type **MBLK** Units: mg/L

| Sample ID | RunNo: 93391 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|---------|--------|-------|-------|----------|------|--------------|------|
| MBLK | 03/26/13 12:34 | Uranium | ND | 0.001 | | | | | |

Sample Type **LCS** Units: mg/L

| Sample ID | RunNo: 93391 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|---------|--------|-------|-------|----------|------|--------------|------|
| LCS | 03/26/13 12:29 | Uranium | 0.100 | 0.001 | 0.1 | | 99.7 | 85 - 115 | |

Sample Type **MS** Units: mg/L

| Sample ID | RunNo: 93391 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|----------------|----------------|---------|--------|-------|-------|----------|------|--------------|------|
| S1303389-002DS | 03/26/13 22:52 | Uranium | 4.64 | 0.001 | 4.4 | ND | 105 | 70 - 130 | |

Sample Type **MSD** Units: mg/L

| Sample ID | RunNo: 93391 | Analyte | Result | RL | Conc | %RPD | %REC | % RPD Limits | Qual |
|------------------|----------------|---------|--------|-------|------|-------|------|--------------|------|
| S1303389-002DMSD | 03/26/13 22:56 | Uranium | 4.61 | 0.001 | 4.64 | 0.548 | 105 | 20 | |

Sample Type **DUP** Units: mg/L

| Sample ID | RunNo: 93391 | Analyte | Result | RL | Ref Samp | %RPD | %REC | % RPD Limits | Qual |
|----------------|----------------|---------|--------|-------|----------|------|------|--------------|------|
| S1303389-002DD | 03/26/13 22:47 | Uranium | ND | 0.001 | ND | | | 20 | |

Lead 210 in Water - DissolvedSample Type **MBLK** Units: pCi/L

| Sample ID | RunNo: 94390 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|----------------------|--------|----|-------|----------|------|--------------|------|
| MB13-092 | 04/19/13 12:20 | Lead 210 (Dissolved) | ND | 1 | | | | | |

Sample Type **LCS** Units: pCi/L

| Sample ID | RunNo: 94390 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|----------------------|--------|----|-------|----------|------|--------------|------|
| LCS13-092 | 04/19/13 12:20 | Lead 210 (Dissolved) | 14 | 1 | 12.4 | | 109 | 50 - 150 | |

Sample Type **MS** Units: pCi/L

| Sample ID | RunNo: 94396 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|--------------|----------------|----------------------|--------|----|-------|----------|------|--------------|------|
| TAP WATER MS | 04/22/13 15:54 | Lead 210 (Dissolved) | 14 | 1 | 12.1 | ND | 113 | 50 - 150 | |

Sample Type **MSD** Units: pCi/L

| Sample ID | RunNo: 94396 | Analyte | Result | RL | Conc | %RPD | %REC | % RPD Limits | Qual |
|---------------|----------------|----------------------|--------|----|------|------|------|--------------|------|
| TAP WATER MSD | 04/22/13 15:54 | Lead 210 (Dissolved) | 11 | 1 | 14 | 23.3 | 86.8 | 30 | |

Sample Type **DUP** Units: pCi/L

| Sample ID | RunNo: 94390 | Analyte | Result | RL | Ref Samp | %RPD | %REC | % RPD Limits | Qual |
|------------------|----------------|----------------------|--------|----|----------|------|------|--------------|------|
| S1303405-001FDUP | 04/19/13 14:32 | Lead 210 (Dissolved) | ND | 1 | ND | | | 20 | |

Qualifiers:

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits

- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits



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ANALYTICAL QC SUMMARY REPORT**CLIENT:** Cameco Resources, Crow Butte Operation**Date:** 4/29/2013**Work Order:** S1303398**Report ID:** S1303398001**Project:** Marsland Private Wells 1st Qtr 2013**Lead 210 in Water - Suspended**Sample Type **MBLK** Units: pCi/L

| Sample ID | RunNo: 94487 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|---------------|----------------------|--------|----|-------|----------|------|--------------|------|
| MB13-099 | 04/26/13 9:26 | Lead 210 (Suspended) | ND | 1 | | | | | |

Sample Type **LCS** Units: pCi/L

| Sample ID | RunNo: 94487 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|---------------|----------------------|--------|----|-------|----------|------|--------------|------|
| LCS13-099 | 04/26/13 9:26 | Lead 210 (Suspended) | 14 | 1 | 12.3 | | 109 | 60.3 - 141 | |

Sample Type **MS** Units: pCi/L

| Sample ID | RunNo: 94390 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------------|----------------|----------------------|--------|----|-------|----------|------|--------------|------|
| S1303405-002FMS | 04/19/13 14:32 | Lead 210 (Suspended) | 13 | 1 | 12.1 | ND | 108 | 62.4 - 132 | |

Sample Type **DUP** Units: pCi/L

| Sample ID | RunNo: 94390 | Analyte | Result | RL | Ref Samp | %RPD | %REC | % RPD Limits | Qual |
|------------------|----------------|----------------------|--------|----|----------|------|------|--------------|------|
| S1303405-001FDUP | 04/19/13 14:32 | Lead 210 (Suspended) | ND | 1 | ND | | | 20 | |

Polonium 210 in Water - DissolvedSample Type **MBLK** Units: pCi/L

| Sample ID | RunNo: 94391 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|---------------|--------------------------|--------|----|-------|----------|------|--------------|------|
| MB13-092 | 04/18/13 0:00 | Polonium 210 (Dissolved) | ND | 1 | | | | | |

Sample Type **LCS** Units: pCi/L

| Sample ID | RunNo: 94391 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|---------------|--------------------------|--------|----|-------|----------|------|--------------|------|
| LCS13-092 | 04/18/13 0:00 | Polonium 210 (Dissolved) | 12 | 1 | 12.1 | | 102 | 35.1 - 175 | |

Sample Type **MS** Units: pCi/L

| Sample ID | RunNo: 94391 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------------|---------------|--------------------------|--------|----|-------|----------|------|--------------|------|
| S1303405-003FMS | 04/18/13 0:00 | Polonium 210 (Dissolved) | 14 | 1 | 12.1 | ND | 113 | 20.9 - 160 | |

Sample Type **DUP** Units: pCi/L

| Sample ID | RunNo: 94391 | Analyte | Result | RL | Ref Samp | %RPD | %REC | % RPD Limits | Qual |
|------------------|---------------|--------------------------|--------|----|----------|------|------|--------------|------|
| S1303405-001FDUP | 04/18/13 0:00 | Polonium 210 (Dissolved) | ND | 1 | ND | | | 20 | |

Qualifiers:

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits

- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits

**ANALYTICAL QC SUMMARY REPORT****CLIENT:** Cameco Resources, Crow Butte Operation**Date:** 4/29/2013**Work Order:** S1303398**Report ID:** S1303398001**Project:** Marsland Private Wells 1st Qtr 2013**Polonium 210 in Water - Suspended**Sample Type **MBLK** Units: pCi/L

| Sample ID | RunNo: 94391 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|---------------|--------------------------|--------|----|-------|----------|------|--------------|------|
| MB13-092 | 04/18/13 0:00 | Polonium 210 (Suspended) | ND | 1 | | | | | |

Sample Type **LCS** Units: pCi/L

| Sample ID | RunNo: 94486 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|--------------------------|--------|----|-------|----------|------|--------------|------|
| LCS13-099 | 04/24/13 16:15 | Polonium 210 (Suspended) | 9 | 1 | 12.1 | | 74.6 | 48.6 - 156 | |

Sample Type **MS** Units: pCi/L

| Sample ID | RunNo: 94391 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------------|---------------|--------------------------|--------|----|-------|----------|------|--------------|------|
| S1303405-002FMS | 04/18/13 0:00 | Polonium 210 (Suspended) | 11 | 1 | 12.1 | ND | 87.4 | 28 - 173 | |

Sample Type **DUP** Units: pCi/L

| Sample ID | RunNo: 94391 | Analyte | Result | RL | Ref Samp | %RPD | %REC | % RPD Limits | Qual |
|------------------|---------------|--------------------------|--------|----|----------|------|------|--------------|------|
| S1303405-001FDUP | 04/18/13 0:00 | Polonium 210 (Suspended) | ND | 1 | ND | | | 20 | |

Radium 226 in Water - DissolvedSample Type **MBLK** Units: pCi/L

| Sample ID | RunNo: 94085 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|---------------|------------------------|--------|-----|-------|----------|------|--------------|------|
| MB13-101 | 04/10/13 0:00 | Radium 226 (Dissolved) | ND | 0.2 | | | | | |

Sample Type **LCS** Units: pCi/L

| Sample ID | RunNo: 94085 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|---------------|------------------------|--------|-----|-------|----------|------|--------------|------|
| LCS13-101 | 04/10/13 0:00 | Radium 226 (Dissolved) | 4.7 | 0.2 | 5.18 | | 90.4 | 62.5 - 125 | |

Sample Type **MS** Units: pCi/L

| Sample ID | RunNo: 94085 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|--------------|---------------|------------------------|--------|-----|-------|----------|------|--------------|------|
| TAP WATER MS | 04/10/13 0:00 | Radium 226 (Dissolved) | 5.6 | 0.2 | 5.18 | ND | 108 | 41.6 - 146 | |

Sample Type **MSD** Units: pCi/L

| Sample ID | RunNo: 94085 | Analyte | Result | RL | Conc | %RPD | %REC | % RPD Limits | Qual |
|---------------|---------------|------------------------|--------|-----|------|------|------|--------------|------|
| TAP WATER MSD | 04/10/13 0:00 | Radium 226 (Dissolved) | 5.1 | 0.2 | 5.6 | 8.47 | 98.9 | 20 | |

Qualifiers:

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits

- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits



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ANALYTICAL QC SUMMARY REPORT**CLIENT:** Cameco Resources, Crow Butte Operation**Date:** 4/29/2013**Work Order:** S1303398**Report ID:** S1303398001**Project:** Marsland Private Wells 1st Qtr 2013**Radium 226 in Water - Suspended**Sample Type **MBLK** Units: pCi/L

| Sample ID | RunNo: 94227 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|------------------------|--------|-----|-------|----------|------|--------------|------|
| MB13-098 | 04/15/13 14:13 | Radium 226 (Suspended) | ND | 0.2 | | | | | |

Sample Type **LCS** Units: pCi/L

| Sample ID | RunNo: 94227 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|------------------------|--------|-----|-------|----------|------|--------------|------|
| LCS13-098 | 04/15/13 14:13 | Radium 226 (Suspended) | 4.5 | 0.2 | 5.18 | | 86.2 | 56.4 - 132 | |

Sample Type **MS** Units: pCi/L

| Sample ID | RunNo: 94227 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------------|----------------|------------------------|--------|-----|-------|----------|------|--------------|------|
| S1303398-002DMS | 04/15/13 14:13 | Radium 226 (Suspended) | 5.1 | 0.2 | 5.18 | ND | 98.2 | 51.4 - 135 | |

Sample Type **DUP** Units: pCi/L

| Sample ID | RunNo: 94227 | Analyte | Result | RL | Ref Samp | %RPD | %REC | % RPD Limits | Qual |
|------------------|----------------|------------------------|--------|-----|----------|------|------|--------------|------|
| S1303398-001DDUP | 04/15/13 14:13 | Radium 226 (Suspended) | ND | 0.2 | ND | | | 20 | |

Thorium 230 in Water - DissolvedSample Type **MBLK** Units: pCi/L

| Sample ID | RunNo: 94472 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|---------------|-------------------------|--------|-----|-------|----------|------|--------------|------|
| MB13-093 | 04/23/13 8:05 | Thorium 230 (Dissolved) | ND | 0.2 | | | | | |

Sample Type **LCS** Units: pCi/L

| Sample ID | RunNo: 94434 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|------------|----------------|-------------------------|--------|-----|-------|----------|------|--------------|------|
| LABORATORY | 04/16/13 17:13 | Thorium 230 (Dissolved) | 11 | 0.2 | 12 | | 87.4 | 67.1 - 134 | |

| Sample ID | RunNo: 94472 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|---------------|-------------------------|--------|-----|-------|----------|------|--------------|------|
| LCS13-093 | 04/23/13 8:05 | Thorium 230 (Dissolved) | 11 | 0.2 | 12 | | 91.4 | 67.1 - 134 | |

Sample Type **DUP** Units: pCi/L

| Sample ID | RunNo: 94472 | Analyte | Result | RL | Ref Samp | %RPD | %REC | % RPD Limits | Qual |
|------------------|---------------|-------------------------|--------|-----|----------|------|------|--------------|------|
| S1303398-003DDUP | 04/23/13 0:00 | Thorium 230 (Dissolved) | ND | 0.2 | ND | | | 20 | |

Qualifiers:

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits

- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits



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ANALYTICAL QC SUMMARY REPORT**CLIENT:** Cameco Resources, Crow Butte Operation**Date:** 4/29/2013**Work Order:** S1303398**Report ID:** S1303398001**Project:** Marsland Private Wells 1st Qtr 2013**Thorium 230 in Water - Suspended**Sample Type **MBLK** Units: pCi/L

| Sample ID | RunNo: 94336 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|---------------|-------------------------|--------|-----|-------|----------|------|--------------|------|
| MB13-098 | 04/16/13 8:13 | Thorium 230 (Suspended) | ND | 0.2 | | | | | |

Sample Type **LCS** Units: pCi/L

| Sample ID | RunNo: 94434 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|------------|----------------|-------------------------|--------|-----|-------|----------|------|--------------|------|
| LABORATORY | 04/16/13 17:13 | Thorium 230 (Suspended) | 11 | 0.2 | 12 | | 87.4 | 69.2 - 127 | |

Sample Type **DUP** Units: pCi/L

| Sample ID | RunNo: 94434 | Analyte | Result | RL | Ref Samp | %RPD | %REC | % RPD Limits | Qual |
|-------------------|----------------|-------------------------|--------|-----|----------|------|------|--------------|------|
| S1303398-005D DUP | 04/16/13 17:17 | Thorium 230 (Suspended) | ND | 0.2 | ND | | | 20 | |

Suspended Natural UraniumSample Type **MBLK** Units: mg/L

| Sample ID | RunNo: 93570 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|-------------------|--------|--------|-------|----------|------|--------------|------|
| MBLK | 04/02/13 13:44 | Uranium Suspended | ND | 0.0003 | | | | | |

Sample Type **LCS** Units: mg/L

| Sample ID | RunNo: 93701 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|-------------------|--------|--------|-------|----------|------|--------------|------|
| LCS | 04/04/13 13:12 | Uranium Suspended | 0.0940 | 0.0003 | 0.1 | | 94.0 | 85 - 115 | |

Sample Type **MS** Units: mg/L

| Sample ID | RunNo: 93570 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|----------------|----------------|-------------------|--------|--------|-------|----------|------|--------------|------|
| S1303398-001CS | 04/02/13 14:04 | Uranium Suspended | 1.13 | 0.0003 | 1.1 | ND | 102 | 70 - 130 | |

Sample Type **MSD** Units: mg/L

| Sample ID | RunNo: 93570 | Analyte | Result | RL | Conc | %RPD | %REC | % RPD Limits | Qual |
|------------------|----------------|-------------------|--------|--------|------|-------|------|--------------|------|
| S1303398-001CMSD | 04/02/13 14:09 | Uranium Suspended | 1.14 | 0.0003 | 1.13 | 0.995 | 103 | 20 | |

Sample Type **DUP** Units: mg/L

| Sample ID | RunNo: 93570 | Analyte | Result | RL | Ref Samp | %RPD | %REC | % RPD Limits | Qual |
|----------------|----------------|-------------------|--------|--------|----------|------|------|--------------|------|
| S1303398-001CD | 04/02/13 13:59 | Uranium Suspended | ND | 0.0003 | ND | | | 20 | |

Qualifiers:

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits

- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits

**ANALYTICAL QC SUMMARY REPORT****CLIENT:** Cameco Resources, Crow Butte Operation**Date:** 4/26/2013**Work Order:** S1303348**Report ID:** S1303348001**Project:** Marsland Private Wells 1st Qtr. 2013**Dissolved Metals by ICPMS EPA 200.8 - Water**Sample Type **MBLK** Units: mg/L

| Sample ID | RunNo: 93261 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|---------|--------|-------|-------|----------|------|--------------|------|
| MBLK | 03/22/13 12:21 | Uranium | ND | 0.001 | | | | | |

Sample Type **LCS** Units: mg/L

| Sample ID | RunNo: 93261 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|---------|--------|-------|-------|----------|------|--------------|------|
| LCS | 03/22/13 12:16 | Uranium | 0.100 | 0.001 | 0.1 | | 99.7 | 85 - 115 | |

Sample Type **MS** Units: mg/L

| Sample ID | RunNo: 93261 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|----------------|---------------|---------|--------|-------|-------|----------|------|--------------|------|
| S1303348-001FS | 03/23/13 1:06 | Uranium | 1.10 | 0.001 | 1.1 | 0.006 | 99.8 | 70 - 130 | |

Sample Type **MSD** Units: mg/L

| Sample ID | RunNo: 93261 | Analyte | Result | RL | Conc | %RPD | %REC | % RPD Limits | Qual |
|------------------|---------------|---------|--------|-------|------|------|------|--------------|------|
| S1303348-001FMSD | 03/23/13 1:10 | Uranium | 1.09 | 0.001 | 1.10 | 1.07 | 98.8 | 20 | |

Sample Type **DUP** Units: mg/L

| Sample ID | RunNo: 93261 | Analyte | Result | RL | Ref Samp | %RPD | %REC | % RPD Limits | Qual |
|----------------|---------------|---------|--------|-------|----------|------|------|--------------|------|
| S1303348-001FD | 03/23/13 1:01 | Uranium | 0.006 | 0.001 | 0.006 | 6.06 | | 20 | |

Lead 210 in Water - DissolvedSample Type **MBLK** Units: pCi/L

| Sample ID | RunNo: 94194 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|----------------------|--------|----|-------|----------|------|--------------|------|
| MB13-085 | 04/07/13 16:04 | Lead 210 (Dissolved) | ND | 1 | | | | | |

Sample Type **LCS** Units: pCi/L

| Sample ID | RunNo: 94194 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|----------------------|--------|----|-------|----------|------|--------------|------|
| LCS13-085 | 04/07/13 16:04 | Lead 210 (Dissolved) | 14 | 1 | 12.4 | | 113 | 50 - 150 | |

Sample Type **MS** Units: pCi/L

| Sample ID | RunNo: 94197 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------------|----------------|----------------------|--------|----|-------|----------|------|--------------|------|
| S1303348-005EMS | 04/08/13 14:53 | Lead 210 (Dissolved) | 13 | 1 | 12.1 | ND | 111 | 50 - 150 | |

| Sample ID | RunNo: 94197 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------------|----------------|----------------------|--------|----|-------|----------|------|--------------|------|
| S1303348-006EMS | 04/08/13 14:53 | Lead 210 (Dissolved) | 14 | 1 | 12.1 | ND | 114 | 50 - 150 | |

Sample Type **DUP** Units: pCi/L

| Sample ID | RunNo: 94197 | Analyte | Result | RL | Ref Samp | %RPD | %REC | % RPD Limits | Qual |
|------------------|----------------|----------------------|--------|----|----------|------|------|--------------|------|
| S1303348-004EDUP | 04/08/13 14:53 | Lead 210 (Dissolved) | ND | 1 | ND | | | 20 | |

Qualifiers:

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits

- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits



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ANALYTICAL QC SUMMARY REPORT**CLIENT:** Cameco Resources, Crow Butte Operation**Date:** 4/26/2013**Work Order:** S1303348**Report ID:** S1303348001**Project:** Marsland Private Wells 1st Qtr. 2013**Lead 210 in Water - Suspended**Sample Type **MBLK** Units: pCi/L

| Sample ID | RunNo: 94197 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|----------------------|--------|----|-------|----------|------|--------------|------|
| MB13-086 | 04/08/13 17:28 | Lead 210 (Suspended) | ND | 1 | | | | | |

Sample Type **LCS** Units: pCi/L

| Sample ID | RunNo: 94197 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|----------------------|--------|----|-------|----------|------|--------------|------|
| LCS13-086 | 04/08/13 14:53 | Lead 210 (Suspended) | 14 | 1 | 12.4 | | 115 | 60.3 - 141 | |

Sample Type **MS** Units: pCi/L

| Sample ID | RunNo: 94197 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------------|----------------|----------------------|--------|----|-------|----------|------|--------------|------|
| S1303348-005EMS | 04/08/13 14:53 | Lead 210 (Suspended) | 13 | 1 | 12.1 | ND | 111 | 62.4 - 132 | |

| Sample ID | RunNo: 94197 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------------|----------------|----------------------|--------|----|-------|----------|------|--------------|------|
| S1303348-006EMS | 04/08/13 14:53 | Lead 210 (Suspended) | 14 | 1 | 12.1 | ND | 114 | 62.4 - 132 | |

Sample Type **DUP** Units: pCi/L

| Sample ID | RunNo: 94197 | Analyte | Result | RL | Ref Samp | %RPD | %REC | % RPD Limits | Qual |
|------------------|----------------|----------------------|--------|----|----------|------|------|--------------|------|
| S1303348-004EDUP | 04/08/13 14:53 | Lead 210 (Suspended) | ND | 1 | ND | | | 20 | |

Polonium 210 in Water - DissolvedSample Type **MBLK** Units: pCi/L

| Sample ID | RunNo: 94195 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|--------------------------|--------|----|-------|----------|------|--------------|------|
| MB13-085 | 04/07/13 14:54 | Polonium 210 (Dissolved) | ND | 1 | | | | | |

Sample Type **LCS** Units: pCi/L

| Sample ID | RunNo: 94195 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|--------------------------|--------|----|-------|----------|------|--------------|------|
| LCS13-085 | 04/07/13 14:54 | Polonium 210 (Dissolved) | 12 | 1 | 12.1 | | 98.8 | 35.1 - 175 | |

Sample Type **MS** Units: pCi/L

| Sample ID | RunNo: 94198 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------------|----------------|--------------------------|--------|----|-------|----------|------|--------------|------|
| S1303348-005EMS | 04/08/13 11:10 | Polonium 210 (Dissolved) | 15 | 1 | 12.1 | ND | 121 | 20.9 - 160 | |

| Sample ID | RunNo: 94198 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------------|----------------|--------------------------|--------|----|-------|----------|------|--------------|------|
| S1303348-006EMS | 04/08/13 11:10 | Polonium 210 (Dissolved) | 10 | 1 | 12.1 | ND | 78.8 | 20.9 - 160 | |

Sample Type **DUP** Units: pCi/L

| Sample ID | RunNo: 94198 | Analyte | Result | RL | Ref Samp | %RPD | %REC | % RPD Limits | Qual |
|------------------|----------------|--------------------------|--------|----|----------|------|------|--------------|------|
| S1303348-004EDUP | 04/08/13 11:10 | Polonium 210 (Dissolved) | ND | 1 | ND | | | 20 | |

Qualifiers:

| | | | |
|---|--|----|--|
| B | Analyte detected in the associated Method Blank | E | Value above quantitation range |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| L | Analyzed by a contract laboratory | ND | Not Detected at the Reporting Limit |
| O | Outside the Range of Dilutions | R | RPD outside accepted recovery limits |
| S | Spike Recovery outside accepted recovery limits | | |

**ANALYTICAL QC SUMMARY REPORT****CLIENT:** Cameco Resources, Crow Butte Operation**Date:** 4/26/2013**Work Order:** S1303348**Report ID:** S1303348001**Project:** Marsland Private Wells 1st Qtr. 2013**Polonium 210 in Water - Suspended**Sample Type **MBLK** Units: pCi/L

| Sample ID | RunNo: 94198 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|--------------------------|--------|----|-------|----------|------|--------------|------|
| MB13-086 | 04/08/13 13:13 | Polonium 210 (Suspended) | ND | 1 | | | | | |

Sample Type **LCS** Units: pCi/L

| Sample ID | RunNo: 94198 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|--------------------------|--------|----|-------|----------|------|--------------|------|
| LCS13-086 | 04/08/13 11:10 | Polonium 210 (Suspended) | 8 | 1 | 12.1 | | 63.6 | 48.6 - 156 | |

Sample Type **MS** Units: pCi/L

| Sample ID | RunNo: 94198 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------------|---------------|--------------------------|--------|----|-------|----------|------|--------------|------|
| S1303348-005EMS | 04/08/13 0:00 | Polonium 210 (Suspended) | 15 | 1 | 12.1 | ND | 121 | 28 - 173 | |

| Sample ID | RunNo: 94198 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------------|---------------|--------------------------|--------|----|-------|----------|------|--------------|------|
| S1303348-006EMS | 04/08/13 0:00 | Polonium 210 (Suspended) | 10 | 1 | 12.1 | ND | 78.8 | 28 - 173 | |

Sample Type **DUP** Units: pCi/L

| Sample ID | RunNo: 94198 | Analyte | Result | RL | Ref Samp | %RPD | %REC | % RPD Limits | Qual |
|------------------|---------------|--------------------------|--------|----|----------|------|------|--------------|------|
| S1303348-004EDUP | 04/08/13 0:00 | Polonium 210 (Suspended) | ND | 1 | ND | | | 20 | |

Radium 226 in Water - DissolvedSample Type **MBLK** Units: pCi/L

| Sample ID | RunNo: 94082 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|------------------------|--------|-----|-------|----------|------|--------------|------|
| MB13-091 | 04/05/13 12:26 | Radium 226 (Dissolved) | ND | 0.2 | | | | | |

Sample Type **LCS** Units: pCi/L

| Sample ID | RunNo: 94082 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|------------------------|--------|-----|-------|----------|------|--------------|------|
| LCS13-091 | 04/05/13 12:26 | Radium 226 (Dissolved) | 4.6 | 0.2 | 5.18 | | 89.0 | 62.5 - 125 | |

Sample Type **MS** Units: pCi/L

| Sample ID | RunNo: 94082 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|--------------|----------------|------------------------|--------|-----|-------|----------|------|--------------|------|
| TAP WATER MS | 04/05/13 14:43 | Radium 226 (Dissolved) | 5.0 | 0.2 | 5.18 | ND | 97.3 | 41.6 - 146 | |

Sample Type **MSD** Units: pCi/L

| Sample ID | RunNo: 94082 | Analyte | Result | RL | Conc | %RPD | %REC | % RPD Limits | Qual |
|---------------|----------------|------------------------|--------|-----|------|------|------|--------------|------|
| TAP WATER MSD | 04/05/13 14:43 | Radium 226 (Dissolved) | 5.5 | 0.2 | 5.0 | 8.15 | 105 | 20 | |

Qualifiers:

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits

- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits



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ANALYTICAL QC SUMMARY REPORT**CLIENT:** Cameco Resources, Crow Butte Operation**Date:** 4/26/2013**Work Order:** S1303348**Report ID:** S1303348001**Project:** Marsland Private Wells 1st Qtr. 2013**Radium 226 in Water - Suspended**Sample Type **MBLK** Units: pCi/L

| Sample ID | RunNo: 94084 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|------------------------|--------|-----|-------|----------|------|--------------|------|
| MB13-091 | 04/08/13 13:25 | Radium 226 (Suspended) | ND | 0.2 | | | | | |

Sample Type **LCS** Units: pCi/L

| Sample ID | RunNo: 94084 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|------------------------|--------|-----|-------|----------|------|--------------|------|
| LCS13-091 | 04/08/13 13:25 | Radium 226 (Suspended) | 4.9 | 0.2 | 5.18 | | 95.3 | 56.4 - 132 | |

Sample Type **MS** Units: pCi/L

| Sample ID | RunNo: 94084 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------------|----------------|------------------------|--------|-----|-------|----------|------|--------------|------|
| S1303348-003EMS | 04/08/13 15:41 | Radium 226 (Suspended) | 5.0 | 0.2 | 5.18 | ND | 97.4 | 51.4 - 135 | |

Sample Type **DUP** Units: pCi/L

| Sample ID | RunNo: 94084 | Analyte | Result | RL | Ref Samp | %RPD | %REC | % RPD Limits | Qual |
|------------------|----------------|------------------------|--------|-----|----------|------|------|--------------|------|
| S1303348-002EDUP | 04/08/13 15:41 | Radium 226 (Suspended) | ND | 0.2 | ND | | | 20 | |

Thorium 230 in Water - DissolvedSample Type **MBLK** Units: pCi/L

| Sample ID | RunNo: 93813 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|-------------------------|--------|-----|-------|----------|------|--------------|------|
| MB13-086 | 04/05/13 12:44 | Thorium 230 (Dissolved) | ND | 0.2 | | | | | |

Sample Type **LCS** Units: pCi/L

| Sample ID | RunNo: 93813 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|-------------------------|--------|-----|-------|----------|------|--------------|------|
| LCS13-086 | 04/05/13 12:44 | Thorium 230 (Dissolved) | 14 | 0.2 | 12 | | 115 | 67.1 - 134 | |

Thorium 230 in Water - SuspendedSample Type **MBLK** Units: pCi/L

| Sample ID | RunNo: 93813 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|-------------------------|---------|-----|-------|----------|------|--------------|------|
| MB13-086 | 04/05/13 16:47 | Thorium 230 (Suspended) | 0.1±0.1 | 0.2 | | | | | |

Sample Type **LCS** Units: pCi/L

| Sample ID | RunNo: 93813 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|---------------|-------------------------|--------|-----|-------|----------|------|--------------|------|
| LCS | 02/27/13 0:00 | Thorium 230 (Suspended) | 14 | 0.2 | 12 | | 115 | 69.2 - 127 | |

Sample Type **DUP** Units: pCi/L

| Sample ID | RunNo: 93813 | Analyte | Result | RL | Ref Samp | %RPD | %REC | % RPD Limits | Qual |
|------------------|---------------|-------------------------|--------|-----|----------|------|------|--------------|------|
| S1303348-001EDUP | 04/08/13 8:00 | Thorium 230 (Suspended) | ND | 0.2 | ND | | | | |

Qualifiers:

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits

- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits

**ANALYTICAL QC SUMMARY REPORT****CLIENT:** Cameco Resources, Crow Butte Operation**Date:** 4/26/2013**Work Order:** S1303348**Report ID:** S1303348001**Project:** Marsland Private Wells 1st Qtr. 2013**Suspended Natural Uranium**Sample Type **MBLK** Units: mg/L

| Sample ID | RunNo: 93469 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|-------------------|--------|--------|-------|----------|------|--------------|------|
| MBLK-U | 03/28/13 19:08 | Uranium Suspended | ND | 0.0003 | | | | | |

Sample Type **LCS** Units: mg/L

| Sample ID | RunNo: 93469 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|-------------------|--------|--------|-------|----------|------|--------------|------|
| LCS | 03/28/13 10:56 | Uranium Suspended | 0.101 | 0.0003 | 0.1 | | 101 | 85 - 115 | |

Sample Type **MS** Units: mg/L

| Sample ID | RunNo: 93469 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|----------------|----------------|-------------------|--------|--------|-------|----------|------|--------------|------|
| S1303348-001DS | 03/28/13 21:55 | Uranium Suspended | 1.11 | 0.0003 | 1.1 | ND | 100 | 70 - 130 | |

Sample Type **MSD** Units: mg/L

| Sample ID | RunNo: 93469 | Analyte | Result | RL | Conc | %RPD | %REC | % RPD Limits | Qual |
|------------------|----------------|-------------------|--------|--------|------|------|------|--------------|------|
| S1303348-001DMSD | 03/28/13 21:59 | Uranium Suspended | 1.08 | 0.0003 | 1.11 | 1.99 | 98.5 | 20 | |

Sample Type **DUP** Units: mg/L

| Sample ID | RunNo: 93469 | Analyte | Result | RL | Ref Samp | %RPD | %REC | % RPD Limits | Qual |
|----------------|----------------|-------------------|--------|--------|----------|------|------|--------------|------|
| S1303348-001DD | 03/28/13 21:50 | Uranium Suspended | ND | 0.0003 | ND | | | 20 | |

Qualifiers:

| | | | |
|---|--|----|--|
| B | Analyte detected in the associated Method Blank | E | Value above quantitation range |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| L | Analyzed by a contract laboratory | ND | Not Detected at the Reporting Limit |
| O | Outside the Range of Dilutions | R | RPD outside accepted recovery limits |
| S | Spike Recovery outside accepted recovery limits | | |



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ANALYTICAL QC SUMMARY REPORT**CLIENT:** Cameco Resources, Crow Butte Operation**Date:** 4/26/2013**Work Order:** S1303324**Report ID:** S1303324001**Project:** Marsland Private Wells 1st Qtr. 2013**Dissolved Metals by ICPMS EPA 200.8 - Water**Sample Type **MBLK** Units: mg/L

| Sample ID | RunNo: 93261 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|---------|--------|-------|-------|----------|------|--------------|------|
| MBLK | 03/22/13 12:21 | Uranium | ND | 0.001 | | | | | |

Sample Type **LCS** Units: mg/L

| Sample ID | RunNo: 93261 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|---------|--------|-------|-------|----------|------|--------------|------|
| LCS | 03/22/13 12:16 | Uranium | 0.100 | 0.001 | 0.1 | | 99.7 | 85 - 115 | |

Sample Type **MS** Units: mg/L

| Sample ID | RunNo: 93261 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|----------------|----------------|---------|--------|-------|-------|----------|------|--------------|------|
| S1303324-001BS | 03/22/13 12:40 | Uranium | 1.09 | 0.001 | 1.1 | 0.006 | 98.6 | 70 - 130 | |

| Sample ID | RunNo: 93261 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|----------------|----------------|---------|--------|-------|-------|----------|------|--------------|------|
| S1303324-011BS | 03/22/13 13:54 | Uranium | 1.10 | 0.001 | 1.1 | 0.005 | 99.3 | 70 - 130 | |

| Sample ID | RunNo: 93261 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|----------------|----------------|---------|--------|-------|-------|----------|------|--------------|------|
| S1303324-017BS | 03/22/13 14:48 | Uranium | 1.09 | 0.001 | 1.1 | 0.006 | 98.9 | 70 - 130 | |

Sample Type **MSD** Units: mg/L

| Sample ID | RunNo: 93261 | Analyte | Result | RL | Conc | %RPD | %REC | % RPD Limits | Qual |
|------------------|----------------|---------|--------|-------|------|------|------|--------------|------|
| S1303324-001BMSD | 03/22/13 12:45 | Uranium | 1.11 | 0.001 | 1.09 | 1.45 | 100 | 20 | |

| Sample ID | RunNo: 93261 | Analyte | Result | RL | Conc | %RPD | %REC | % RPD Limits | Qual |
|------------------|----------------|---------|--------|-------|------|------|------|--------------|------|
| S1303324-011BMSD | 03/22/13 14:09 | Uranium | 1.12 | 0.001 | 1.10 | 1.81 | 101 | 20 | |

| Sample ID | RunNo: 93261 | Analyte | Result | RL | Conc | %RPD | %REC | % RPD Limits | Qual |
|------------------|----------------|---------|--------|-------|------|------|------|--------------|------|
| S1303324-017BMSD | 03/22/13 14:52 | Uranium | 1.11 | 0.001 | 1.09 | 1.26 | 100 | 20 | |

Sample Type **DUP** Units: mg/L

| Sample ID | RunNo: 93261 | Analyte | Result | RL | Ref Samp | %RPD | %REC | % RPD Limits | Qual |
|----------------|----------------|---------|--------|-------|----------|------|------|--------------|------|
| S1303324-001BD | 03/22/13 12:35 | Uranium | 0.005 | 0.001 | 0.006 | 2.27 | | 20 | |

| Sample ID | RunNo: 93261 | Analyte | Result | RL | Ref Samp | %RPD | %REC | % RPD Limits | Qual |
|----------------|----------------|---------|--------|-------|----------|-------|------|--------------|------|
| S1303324-011BD | 03/22/13 13:49 | Uranium | 0.005 | 0.001 | 0.005 | 0.859 | | 20 | |

| Sample ID | RunNo: 93261 | Analyte | Result | RL | Ref Samp | %RPD | %REC | % RPD Limits | Qual |
|----------------|----------------|---------|--------|-------|----------|------|------|--------------|------|
| S1303324-017BD | 03/22/13 14:43 | Uranium | 0.006 | 0.001 | 0.006 | 3.00 | | 20 | |

Qualifiers:

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- O Outside the Range of Dilutions
- S Spike Recovery outside accepted recovery limits

- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits

**ANALYTICAL QC SUMMARY REPORT****CLIENT:** Cameco Resources, Crow Butte Operation**Date:** 4/26/2013**Work Order:** S1303324**Report ID:** S1303324001**Project:** Marsland Private Wells 1st Qtr. 2013**Lead 210 in Water - Dissolved**Sample Type **MBLK** Units: pCi/L

| Sample ID | RunNo: 94170 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|----------------------|--------|----|-------|----------|------|--------------|------|
| MB13-084 | 04/07/13 10:40 | Lead 210 (Dissolved) | ND | 1 | | | | | |

| Sample ID | RunNo: 94194 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|----------------------|--------|----|-------|----------|------|--------------|------|
| MB13-085 | 04/07/13 16:04 | Lead 210 (Dissolved) | ND | 1 | | | | | |

| Sample ID | RunNo: 94197 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|----------------------|--------|----|-------|----------|------|--------------|------|
| MB13-086 | 04/08/13 14:53 | Lead 210 (Dissolved) | ND | 1 | | | | | |

Sample Type **LCS** Units: pCi/L

| Sample ID | RunNo: 94170 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|----------------------|--------|----|-------|----------|------|--------------|------|
| LCS13-084 | 04/06/13 18:45 | Lead 210 (Dissolved) | 14 | 1 | 12.4 | | 113 | 50 - 150 | |

| Sample ID | RunNo: 94194 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|----------------------|--------|----|-------|----------|------|--------------|------|
| LCS13-085 | 04/07/13 16:04 | Lead 210 (Dissolved) | 14 | 1 | 12.4 | | 113 | 50 - 150 | |

| Sample ID | RunNo: 94197 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|----------------------|--------|----|-------|----------|------|--------------|------|
| LCS13-086 | 04/08/13 14:53 | Lead 210 (Dissolved) | 14 | 1 | 12.4 | | 115 | 50 - 150 | |

Sample Type **MS** Units: pCi/L

| Sample ID | RunNo: 94170 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------------|----------------|----------------------|--------|----|-------|----------|------|--------------|------|
| S1303289-011CMS | 04/06/13 18:45 | Lead 210 (Dissolved) | 13 | 1 | 12.1 | ND | 108 | 50 - 150 | |

| Sample ID | RunNo: 94194 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------------|----------------|----------------------|--------|----|-------|----------|------|--------------|------|
| S1303324-003CMS | 04/07/13 16:04 | Lead 210 (Dissolved) | 14 | 1 | 12.1 | 1 | 107 | 50 - 150 | |

| Sample ID | RunNo: 94194 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------------|----------------|----------------------|--------|----|-------|----------|------|--------------|------|
| S1303324-004CMS | 04/07/13 16:04 | Lead 210 (Dissolved) | 13 | 1 | 12.1 | ND | 111 | 50 - 150 | |

Sample Type **DUP** Units: pCi/L

| Sample ID | RunNo: 94170 | Analyte | Result | RL | Ref Samp | %RPD | %REC | % RPD Limits | Qual |
|------------------|----------------|----------------------|--------|----|----------|------|------|--------------|------|
| S1303289-010CDUP | 04/06/13 18:45 | Lead 210 (Dissolved) | ND | 1 | ND | | | 20 | |

| Sample ID | RunNo: 94194 | Analyte | Result | RL | Ref Samp | %RPD | %REC | % RPD Limits | Qual |
|------------------|----------------|----------------------|--------|----|----------|------|------|--------------|------|
| S1303324-002CDUP | 04/07/13 16:04 | Lead 210 (Dissolved) | ND | 1 | ND | | | 20 | |

| Sample ID | RunNo: 94197 | Analyte | Result | RL | Ref Samp | %RPD | %REC | % RPD Limits | Qual |
|------------------|----------------|----------------------|--------|----|----------|------|------|--------------|------|
| S1303348-004EDUP | 04/08/13 14:53 | Lead 210 (Dissolved) | ND | 1 | ND | | | 20 | |

Qualifiers:

| | | | |
|---|--|----|--|
| B | Analyte detected in the associated Method Blank | E | Value above quantitation range |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| L | Analyzed by a contract laboratory | ND | Not Detected at the Reporting Limit |
| O | Outside the Range of Dilutions | R | RPD outside accepted recovery limits |
| S | Spike Recovery outside accepted recovery limits | | |



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ANALYTICAL QC SUMMARY REPORT**CLIENT:** Cameco Resources, Crow Butte Operation**Date:** 4/26/2013**Work Order:** S1303324**Report ID:** S1303324001**Project:** Marsland Private Wells 1st Qtr. 2013**Lead 210 in Water - Suspended**Sample Type **MBLK**

Units: pCi/L

| Sample ID | RunNo: 94170 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|----------------------|--------|----|-------|----------|------|--------------|------|
| MB13-084 | 04/06/13 18:45 | Lead 210 (Suspended) | ND | 1 | | | | | |

| Sample ID | RunNo: 94197 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|----------------------|--------|----|-------|----------|------|--------------|------|
| MB13-086 | 04/08/13 17:28 | Lead 210 (Suspended) | ND | 1 | | | | | |

| Sample ID | RunNo: 94204 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|----------------------|--------|----|-------|----------|------|--------------|------|
| MB13-088 | 04/15/13 14:27 | Lead 210 (Suspended) | ND | 1 | | | | | |

Sample Type **LCS**

Units: pCi/L

| Sample ID | RunNo: 94170 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|----------------------|--------|----|-------|----------|------|--------------|------|
| LCS13-084 | 04/06/13 18:45 | Lead 210 (Suspended) | 14 | 1 | 12.4 | | 113 | 60.3 - 141 | |

| Sample ID | RunNo: 94197 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|----------------------|--------|----|-------|----------|------|--------------|------|
| LCS13-086 | 04/08/13 14:53 | Lead 210 (Suspended) | 14 | 1 | 12.4 | | 115 | 60.3 - 141 | |

| Sample ID | RunNo: 94204 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|----------------------|--------|----|-------|----------|------|--------------|------|
| LCS13-088 | 04/15/13 14:27 | Lead 210 (Suspended) | 14 | 1 | 12.4 | | 114 | 60.3 - 141 | |

Sample Type **MS**

Units: pCi/L

| Sample ID | RunNo: 94204 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------------|----------------|----------------------|--------|----|-------|----------|------|--------------|------|
| S1303324-013CMS | 04/15/13 14:27 | Lead 210 (Suspended) | 13 | 1 | 12.1 | ND | 108 | 62.4 - 132 | |

| Sample ID | RunNo: 94204 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------------|----------------|----------------------|--------|----|-------|----------|------|--------------|------|
| S1303324-014CMS | 04/15/13 14:27 | Lead 210 (Suspended) | 13 | 1 | 12.1 | ND | 108 | 62.4 - 132 | |

Sample Type **DUP**

Units: pCi/L

| Sample ID | RunNo: 94170 | Analyte | Result | RL | Ref Samp | %RPD | %REC | % RPD Limits | Qual |
|------------------|----------------|----------------------|--------|----|----------|------|------|--------------|------|
| S1303289-010CDUP | 04/06/13 18:45 | Lead 210 (Suspended) | ND | 1 | ND | | | 20 | |

| Sample ID | RunNo: 94197 | Analyte | Result | RL | Ref Samp | %RPD | %REC | % RPD Limits | Qual |
|------------------|----------------|----------------------|--------|----|----------|------|------|--------------|------|
| S1303348-004EDUP | 04/08/13 14:53 | Lead 210 (Suspended) | ND | 1 | ND | | | 20 | |

| Sample ID | RunNo: 94204 | Analyte | Result | RL | Ref Samp | %RPD | %REC | % RPD Limits | Qual |
|------------------|----------------|----------------------|--------|----|----------|------|------|--------------|------|
| S1303324-012CDUP | 04/15/13 14:27 | Lead 210 (Suspended) | ND | 1 | ND | | | 20 | |

Qualifiers:

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
L Analyzed by a contract laboratory
O Outside the Range of Dilutions
S Spike Recovery outside accepted recovery limits

E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits



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ANALYTICAL QC SUMMARY REPORT**CLIENT:** Cameco Resources, Crow Butte Operation**Date:** 4/26/2013**Work Order:** S1303324**Report ID:** S1303324001**Project:** Marsland Private Wells 1st Qtr. 2013**Polonium 210 in Water - Dissolved**Sample Type **MBLK** Units: pCi/L

| Sample ID | RunNo: 94171 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|--------------|---------|--------|----|-------|----------|------|--------------|------|
|-----------|--------------|---------|--------|----|-------|----------|------|--------------|------|

| | | | | | | | | | |
|----------|---------------|--------------------------|----|---|--|--|--|--|--|
| MB13-084 | 04/06/13 0:00 | Polonium 210 (Dissolved) | ND | 1 | | | | | |
|----------|---------------|--------------------------|----|---|--|--|--|--|--|

| Sample ID | RunNo: 94195 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|--------------|---------|--------|----|-------|----------|------|--------------|------|
|-----------|--------------|---------|--------|----|-------|----------|------|--------------|------|

| | | | | | | | | | |
|----------|----------------|--------------------------|----|---|--|--|--|--|--|
| MB13-085 | 04/07/13 14:54 | Polonium 210 (Dissolved) | ND | 1 | | | | | |
|----------|----------------|--------------------------|----|---|--|--|--|--|--|

| Sample ID | RunNo: 94198 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|--------------|---------|--------|----|-------|----------|------|--------------|------|
|-----------|--------------|---------|--------|----|-------|----------|------|--------------|------|

| | | | | | | | | | |
|----------|----------------|--------------------------|----|---|--|--|--|--|--|
| MB13-086 | 04/08/13 11:10 | Polonium 210 (Dissolved) | ND | 1 | | | | | |
|----------|----------------|--------------------------|----|---|--|--|--|--|--|

Sample Type **LCS** Units: pCi/L

| Sample ID | RunNo: 94171 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|--------------|---------|--------|----|-------|----------|------|--------------|------|
|-----------|--------------|---------|--------|----|-------|----------|------|--------------|------|

| | | | | | | | | | |
|-----------|---------------|--------------------------|----|---|------|--|------|------------|--|
| LCS13-084 | 04/06/13 0:00 | Polonium 210 (Dissolved) | 10 | 1 | 12.1 | | 81.4 | 35.1 - 175 | |
|-----------|---------------|--------------------------|----|---|------|--|------|------------|--|

| Sample ID | RunNo: 94195 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|--------------|---------|--------|----|-------|----------|------|--------------|------|
|-----------|--------------|---------|--------|----|-------|----------|------|--------------|------|

| | | | | | | | | | |
|-----------|----------------|--------------------------|----|---|------|--|------|------------|--|
| LCS13-085 | 04/07/13 14:54 | Polonium 210 (Dissolved) | 12 | 1 | 12.1 | | 98.8 | 35.1 - 175 | |
|-----------|----------------|--------------------------|----|---|------|--|------|------------|--|

| Sample ID | RunNo: 94198 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|--------------|---------|--------|----|-------|----------|------|--------------|------|
|-----------|--------------|---------|--------|----|-------|----------|------|--------------|------|

| | | | | | | | | | |
|-----------|----------------|--------------------------|---|---|------|--|------|------------|--|
| LCS13-086 | 04/08/13 11:10 | Polonium 210 (Dissolved) | 8 | 1 | 12.1 | | 63.6 | 35.1 - 175 | |
|-----------|----------------|--------------------------|---|---|------|--|------|------------|--|

Sample Type **MS** Units: pCi/L

| Sample ID | RunNo: 94195 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|--------------|---------|--------|----|-------|----------|------|--------------|------|
|-----------|--------------|---------|--------|----|-------|----------|------|--------------|------|

| | | | | | | | | | |
|-----------------|----------------|--------------------------|----|---|------|----|------|------------|--|
| S1303324-003CMS | 04/07/13 14:54 | Polonium 210 (Dissolved) | 11 | 1 | 12.1 | ND | 94.3 | 20.9 - 160 | |
|-----------------|----------------|--------------------------|----|---|------|----|------|------------|--|

| Sample ID | RunNo: 94195 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|--------------|---------|--------|----|-------|----------|------|--------------|------|
|-----------|--------------|---------|--------|----|-------|----------|------|--------------|------|

| | | | | | | | | | |
|-----------------|----------------|--------------------------|----|---|------|----|-----|------------|--|
| S1303324-004CMS | 04/07/13 14:54 | Polonium 210 (Dissolved) | 13 | 1 | 12.1 | ND | 106 | 20.9 - 160 | |
|-----------------|----------------|--------------------------|----|---|------|----|-----|------------|--|

Sample Type **DUP** Units: pCi/L

| Sample ID | RunNo: 94171 | Analyte | Result | RL | Ref Samp | %RPD | %REC | % RPD Limits | Qual |
|-----------|--------------|---------|--------|----|----------|------|------|--------------|------|
|-----------|--------------|---------|--------|----|----------|------|------|--------------|------|

| | | | | | | | | | |
|------------------|---------------|--------------------------|----|---|----|--|--|----|--|
| S1303289-010CDUP | 04/06/13 0:00 | Polonium 210 (Dissolved) | ND | 1 | ND | | | 20 | |
|------------------|---------------|--------------------------|----|---|----|--|--|----|--|

| Sample ID | RunNo: 94195 | Analyte | Result | RL | Ref Samp | %RPD | %REC | % RPD Limits | Qual |
|-----------|--------------|---------|--------|----|----------|------|------|--------------|------|
|-----------|--------------|---------|--------|----|----------|------|------|--------------|------|

| | | | | | | | | | |
|------------------|----------------|--------------------------|----|---|----|--|--|----|--|
| S1303324-002CDUP | 04/07/13 14:54 | Polonium 210 (Dissolved) | ND | 1 | ND | | | 20 | |
|------------------|----------------|--------------------------|----|---|----|--|--|----|--|

| Sample ID | RunNo: 94198 | Analyte | Result | RL | Ref Samp | %RPD | %REC | % RPD Limits | Qual |
|-----------|--------------|---------|--------|----|----------|------|------|--------------|------|
|-----------|--------------|---------|--------|----|----------|------|------|--------------|------|

| | | | | | | | | | |
|------------------|----------------|--------------------------|----|---|----|--|--|----|--|
| S1303348-004EDUP | 04/08/13 11:10 | Polonium 210 (Dissolved) | ND | 1 | ND | | | 20 | |
|------------------|----------------|--------------------------|----|---|----|--|--|----|--|

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

L Analyzed by a contract laboratory

O Outside the Range of Dilutions

S Spike Recovery outside accepted recovery limits

E Value above quantitation range

J Analyte detected below quantitation limits

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits



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ANALYTICAL QC SUMMARY REPORT**CLIENT:** Cameco Resources, Crow Butte Operation**Date:** 4/26/2013**Work Order:** S1303324**Report ID:** S1303324001**Project:** Marsland Private Wells 1st Qtr. 2013**Polonium 210 in Water - Suspended**Sample Type **MBLK** Units: pCi/L

| Sample ID | RunNo: 94171 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|---------------|--------------------------|--------|----|-------|----------|------|--------------|------|
| MB13-084 | 04/06/13 0:00 | Polonium 210 (Suspended) | ND | 1 | | | | | |

| Sample ID | RunNo: 94198 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|--------------------------|--------|----|-------|----------|------|--------------|------|
| MB13-086 | 04/08/13 13:13 | Polonium 210 (Suspended) | ND | 1 | | | | | |

| Sample ID | RunNo: 94205 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|--------------------------|--------|----|-------|----------|------|--------------|------|
| MB13-088 | 04/15/13 11:06 | Polonium 210 (Suspended) | ND | 1 | | | | | |

Sample Type **LCS** Units: pCi/L

| Sample ID | RunNo: 94171 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|---------------|--------------------------|--------|----|-------|----------|------|--------------|------|
| LCS13-084 | 04/06/13 0:00 | Polonium 210 (Suspended) | 10 | 1 | 12.1 | | 81.4 | 48.6 - 156 | |

| Sample ID | RunNo: 94198 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|--------------------------|--------|----|-------|----------|------|--------------|------|
| LCS13-086 | 04/08/13 11:10 | Polonium 210 (Suspended) | 8 | 1 | 12.1 | | 63.6 | 48.6 - 156 | |

| Sample ID | RunNo: 94205 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|--------------------------|--------|----|-------|----------|------|--------------|------|
| LCS13-088 | 04/15/13 11:06 | Polonium 210 (Suspended) | 6 | 1 | 12.1 | | 50.9 | 48.6 - 156 | |

Sample Type **MS** Units: pCi/L

| Sample ID | RunNo: 94205 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------------|----------------|--------------------------|--------|----|-------|----------|------|--------------|------|
| S1303324-013CMS | 04/15/13 11:06 | Polonium 210 (Suspended) | 17 | 1 | 12.1 | ND | 143 | 28 - 173 | |

| Sample ID | RunNo: 94205 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------------|----------------|--------------------------|--------|----|-------|----------|------|--------------|------|
| S1303324-014CMS | 04/15/13 11:06 | Polonium 210 (Suspended) | 7 | 1 | 12.1 | ND | 57.1 | 28 - 173 | |

Sample Type **DUP** Units: pCi/L

| Sample ID | RunNo: 94171 | Analyte | Result | RL | Ref Samp | %RPD | %REC | % RPD Limits | Qual |
|------------------|---------------|--------------------------|--------|----|----------|------|------|--------------|------|
| S1303289-010CDUP | 04/06/13 0:00 | Polonium 210 (Suspended) | ND | 1 | ND | | | 20 | |

| Sample ID | RunNo: 94198 | Analyte | Result | RL | Ref Samp | %RPD | %REC | % RPD Limits | Qual |
|------------------|---------------|--------------------------|--------|----|----------|------|------|--------------|------|
| S1303348-004EDUP | 04/08/13 0:00 | Polonium 210 (Suspended) | ND | 1 | ND | | | 20 | |

| Sample ID | RunNo: 94205 | Analyte | Result | RL | Ref Samp | %RPD | %REC | % RPD Limits | Qual |
|------------------|----------------|--------------------------|--------|----|----------|------|------|--------------|------|
| S1303324-012CDUP | 04/15/13 11:06 | Polonium 210 (Suspended) | ND | 1 | ND | | | 20 | |

Qualifiers:

| | | | |
|---|--|----|--|
| B | Analyte detected in the associated Method Blank | E | Value above quantitation range |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| L | Analyzed by a contract laboratory | ND | Not Detected at the Reporting Limit |
| O | Outside the Range of Dilutions | R | RPD outside accepted recovery limits |
| S | Spike Recovery outside accepted recovery limits | | |

**ANALYTICAL QC SUMMARY REPORT****CLIENT:** Cameco Resources, Crow Butte Operation**Date:** 4/26/2013**Work Order:** S1303324**Report ID:** S1303324001**Project:** Marsland Private Wells 1st Qtr. 2013**Radium 226 in Water - Dissolved**Sample Type **MBLK** Units: pCi/L

| Sample ID | RunNo: 93621 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|------------------------|--------|-----|-------|----------|------|--------------|------|
| MB13-084 | 04/01/13 16:19 | Radium 226 (Dissolved) | ND | 0.2 | | | | | |

| Sample ID | RunNo: 94079 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|------------------------|--------|-----|-------|----------|------|--------------|------|
| MB13-086 | 04/02/13 14:20 | Radium 226 (Dissolved) | ND | 0.2 | | | | | |

Sample Type **LCS** Units: pCi/L

| Sample ID | RunNo: 93621 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|------------------------|--------|-----|-------|----------|------|--------------|------|
| LCS13-084 | 04/01/13 16:19 | Radium 226 (Dissolved) | 4.8 | 0.2 | 5.18 | | 93.6 | 62.5 - 125 | |

| Sample ID | RunNo: 94079 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|------------------------|--------|-----|-------|----------|------|--------------|------|
| LCS13-086 | 04/02/13 14:20 | Radium 226 (Dissolved) | 4.7 | 0.2 | 5.18 | | 91.1 | 62.5 - 125 | |

Sample Type **MS** Units: pCi/L

| Sample ID | RunNo: 93621 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|--------------|----------------|------------------------|--------|-----|-------|----------|------|--------------|------|
| TAP WATER MS | 04/01/13 18:51 | Radium 226 (Dissolved) | 5.5 | 0.2 | 5.18 | ND | 107 | 41.6 - 146 | |

| Sample ID | RunNo: 94079 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|--------------|----------------|------------------------|--------|-----|-------|----------|------|--------------|------|
| TAP WATER MS | 04/02/13 16:47 | Radium 226 (Dissolved) | 5.4 | 0.2 | 5.18 | ND | 104 | 41.6 - 146 | |

Sample Type **MSD** Units: pCi/L

| Sample ID | RunNo: 93621 | Analyte | Result | RL | Conc | %RPD | %REC | % RPD Limits | Qual |
|---------------|----------------|------------------------|--------|-----|------|------|------|--------------|------|
| TAP WATER MSD | 04/01/13 18:51 | Radium 226 (Dissolved) | 5.1 | 0.2 | 5.5 | 7.59 | 98.6 | 20 | |

| Sample ID | RunNo: 94079 | Analyte | Result | RL | Conc | %RPD | %REC | % RPD Limits | Qual |
|---------------|----------------|------------------------|--------|-----|------|------|------|--------------|------|
| TAP WATER MSD | 04/02/13 16:47 | Radium 226 (Dissolved) | 5.2 | 0.2 | 5.4 | 3.83 | 100 | 20 | |

Qualifiers:

| | | | |
|---|--|----|--|
| B | Analyte detected in the associated Method Blank | E | Value above quantitation range |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| L | Analyzed by a contract laboratory | ND | Not Detected at the Reporting Limit |
| O | Outside the Range of Dilutions | R | RPD outside accepted recovery limits |
| S | Spike Recovery outside accepted recovery limits | | |



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ANALYTICAL QC SUMMARY REPORT**CLIENT:** Cameco Resources, Crow Butte Operation**Date:** 4/26/2013**Work Order:** S1303324**Report ID:** S1303324001**Project:** Marsland Private Wells 1st Qtr. 2013**Radium 226 in Water - Suspended**Sample Type **MBLK** Units: pCi/L

| Sample ID | RunNo: 93670 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|---------------|------------------------|--------|-----|-------|----------|------|--------------|------|
| MB13-086 | 04/02/13 0:00 | Radium 226 (Suspended) | ND | 0.2 | | | | | |

| Sample ID | RunNo: 93670 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|---------------|------------------------|--------|-----|-------|----------|------|--------------|------|
| MB13-086B | 04/02/13 0:00 | Radium 226 (Suspended) | ND | 0.2 | | | | | |

| Sample ID | RunNo: 94084 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|------------------------|--------|-----|-------|----------|------|--------------|------|
| MB13-091 | 04/08/13 13:25 | Radium 226 (Suspended) | ND | 0.2 | | | | | |

Sample Type **LCS** Units: pCi/L

| Sample ID | RunNo: 93670 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|---------------|------------------------|--------|-----|-------|----------|------|--------------|------|
| LCS13-086 | 04/02/13 0:00 | Radium 226 (Suspended) | 4.8 | 0.2 | 5.18 | | 92.8 | 56.4 - 132 | |

| Sample ID | RunNo: 94084 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|------------------------|--------|-----|-------|----------|------|--------------|------|
| LCS13-091 | 04/08/13 13:25 | Radium 226 (Suspended) | 4.9 | 0.2 | 5.18 | | 95.3 | 56.4 - 132 | |

Sample Type **MS** Units: pCi/L

| Sample ID | RunNo: 93670 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------------|---------------|------------------------|--------|-----|-------|----------|------|--------------|------|
| S1303324-007CMS | 04/02/13 0:00 | Radium 226 (Suspended) | 4.9 | 0.2 | 5.18 | ND | 95.0 | 51.4 - 135 | |

| Sample ID | RunNo: 94084 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------------|----------------|------------------------|--------|-----|-------|----------|------|--------------|------|
| S1303324-011CMS | 04/08/13 13:25 | Radium 226 (Suspended) | 4.9 | 0.2 | 5.18 | ND | 95.3 | 51.4 - 135 | |

Sample Type **DUP** Units: pCi/L

| Sample ID | RunNo: 93670 | Analyte | Result | RL | Ref Samp | %RPD | %REC | % RPD Limits | Qual |
|------------------|---------------|------------------------|--------|-----|----------|------|------|--------------|------|
| S1303324-006CDUP | 04/02/13 0:00 | Radium 226 (Suspended) | ND | 0.2 | ND | | | 20 | |

| Sample ID | RunNo: 94084 | Analyte | Result | RL | Ref Samp | %RPD | %REC | % RPD Limits | Qual |
|------------------|----------------|------------------------|--------|-----|----------|------|------|--------------|------|
| S1303324-010CDUP | 04/08/13 13:25 | Radium 226 (Suspended) | ND | 0.2 | ND | | | 20 | |

Qualifiers:

| | | | |
|---|--|----|--|
| B | Analyte detected in the associated Method Blank | E | Value above quantitation range |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| L | Analyzed by a contract laboratory | ND | Not Detected at the Reporting Limit |
| O | Outside the Range of Dilutions | R | RPD outside accepted recovery limits |
| S | Spike Recovery outside accepted recovery limits | | |

**ANALYTICAL QC SUMMARY REPORT****CLIENT:** Cameco Resources, Crow Butte Operation**Date:** 4/26/2013**Work Order:** S1303324**Report ID:** S1303324001**Project:** Marsland Private Wells 1st Qtr. 2013**Thorium 230 in Water - Dissolved**Sample Type **MBLK** Units: pCi/L

| Sample ID | RunNo: 93801 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|-------------------------|--------|-----|-------|----------|------|--------------|------|
| MB13-086 | 04/03/13 12:11 | Thorium 230 (Dissolved) | ND | 0.2 | | | | | |

Sample Type **LCS** Units: pCi/L

| Sample ID | RunNo: 93801 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|-------------------------|--------|-----|-------|----------|------|--------------|------|
| LCS13-086 | 04/03/13 12:11 | Thorium 230 (Dissolved) | 15 | 0.2 | 12 | | 117 | 67.1 - 134 | |

Sample Type **DUP** Units: pCi/L

| Sample ID | RunNo: 93801 | Analyte | Result | RL | Ref Samp | %RPD | %REC | % RPD Limits | Qual |
|------------------|----------------|-------------------------|--------|-----|----------|------|------|--------------|------|
| S1303324-002CDUP | 04/03/13 12:11 | Thorium 230 (Dissolved) | ND | 0.2 | ND | | | 20 | |

Thorium 230 in Water - SuspendedSample Type **MBLK** Units: pCi/L

| Sample ID | RunNo: 93801 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|-------------------------|--------|-----|-------|----------|------|--------------|------|
| MB13-086 | 04/04/13 13:09 | Thorium 230 (Suspended) | ND | 0.2 | | | | | |

Sample Type **LCS** Units: pCi/L

| Sample ID | RunNo: 93801 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|-------------------------|--------|-----|-------|----------|------|--------------|------|
| LCS13-086 | 04/03/13 12:11 | Thorium 230 (Suspended) | 15 | 0.2 | 12 | | 117 | 69.2 - 127 | |

Sample Type **DUP** Units: pCi/L

| Sample ID | RunNo: 93801 | Analyte | Result | RL | Ref Samp | %RPD | %REC | % RPD Limits | Qual |
|------------------|----------------|-------------------------|--------|-----|----------|------|------|--------------|------|
| S1303324-002CDUP | 04/03/13 12:11 | Thorium 230 (Suspended) | ND | 0.2 | ND | | | 20 | |

| Sample ID | RunNo: 94335 | Analyte | Result | RL | Ref Samp | %RPD | %REC | % RPD Limits | Qual |
|------------------|----------------|-------------------------|--------|-----|----------|------|------|--------------|------|
| S1303324-002CDUP | 04/11/13 10:33 | Thorium 230 (Suspended) | ND | 0.2 | ND | | | 20 | |

Qualifiers:

| | | | |
|---|--|----|--|
| B | Analyte detected in the associated Method Blank | E | Value above quantitation range |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| L | Analyzed by a contract laboratory | ND | Not Detected at the Reporting Limit |
| O | Outside the Range of Dilutions | R | RPD outside accepted recovery limits |
| S | Spike Recovery outside accepted recovery limits | | |



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ANALYTICAL QC SUMMARY REPORT**CLIENT:** Cameco Resources, Crow Butte Operation**Date:** 4/26/2013**Work Order:** S1303324**Report ID:** S1303324001**Project:** Marsland Private Wells 1st Qtr. 2013**Suspended Natural Uranium**Sample Type **MBLK** Units: mg/L

| Sample ID | RunNo: 93385 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|-------------------|--------|--------|-------|----------|------|--------------|------|
| MBLK | 03/26/13 12:34 | Uranium Suspended | ND | 0.0003 | | | | | |

| Sample ID | RunNo: 93469 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|-------------------|--------|--------|-------|----------|------|--------------|------|
| MBLK-U | 03/28/13 19:08 | Uranium Suspended | ND | 0.0003 | | | | | |

Sample Type **LCS** Units: mg/L

| Sample ID | RunNo: 93385 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|-------------------|--------|--------|-------|----------|------|--------------|------|
| LCS | 03/26/13 12:29 | Uranium Suspended | 0.0997 | 0.0003 | 0.1 | | 99.7 | 85 - 115 | |

| Sample ID | RunNo: 93469 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|-----------|----------------|-------------------|--------|--------|-------|----------|------|--------------|------|
| LCS | 03/28/13 10:56 | Uranium Suspended | 0.101 | 0.0003 | 0.1 | | 101 | 85 - 115 | |

Sample Type **MS** Units: mg/L

| Sample ID | RunNo: 93385 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|----------------|----------------|-------------------|--------|--------|-------|----------|------|--------------|------|
| S1303322-004DS | 03/26/13 19:45 | Uranium Suspended | 1.09 | 0.0003 | 1.1 | 0.0004 | 98.7 | 70 - 130 | |

| Sample ID | RunNo: 93469 | Analyte | Result | RL | Spike | Ref Samp | %REC | % Rec Limits | Qual |
|----------------|----------------|-------------------|--------|--------|-------|----------|------|--------------|------|
| S1303324-010BS | 03/28/13 19:23 | Uranium Suspended | 1.10 | 0.0003 | 1.1 | ND | 99.9 | 70 - 130 | |

Sample Type **MSD** Units: mg/L

| Sample ID | RunNo: 93385 | Analyte | Result | RL | Conc | %RPD | %REC | % RPD Limits | Qual |
|------------------|----------------|-------------------|--------|--------|------|------|------|--------------|------|
| S1303322-004DMSD | 03/26/13 19:50 | Uranium Suspended | 1.11 | 0.0003 | 1.09 | 2.34 | 101 | 20 | |

| Sample ID | RunNo: 93469 | Analyte | Result | RL | Conc | %RPD | %REC | % RPD Limits | Qual |
|------------------|----------------|-------------------|--------|--------|------|-------|------|--------------|------|
| S1303324-010BMSD | 03/28/13 19:27 | Uranium Suspended | 1.09 | 0.0003 | 1.10 | 0.880 | 99.0 | 20 | |

Sample Type **DUP** Units: mg/L

| Sample ID | RunNo: 93385 | Analyte | Result | RL | Ref Samp | %RPD | %REC | % RPD Limits | Qual |
|----------------|----------------|-------------------|--------|--------|----------|------|------|--------------|------|
| S1303322-004DD | 03/26/13 19:40 | Uranium Suspended | 0.0004 | 0.0003 | 0.0004 | 2.68 | | 20 | |

| Sample ID | RunNo: 93469 | Analyte | Result | RL | Ref Samp | %RPD | %REC | % RPD Limits | Qual |
|----------------|----------------|-------------------|--------|--------|----------|------|------|--------------|------|
| S1303324-010BD | 03/28/13 19:18 | Uranium Suspended | ND | 0.0003 | ND | | | 20 | |

Qualifiers:

| | | | |
|---|--|----|--|
| B | Analyte detected in the associated Method Blank | E | Value above quantitation range |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| L | Analyzed by a contract laboratory | ND | Not Detected at the Reporting Limit |
| O | Outside the Range of Dilutions | R | RPD outside accepted recovery limits |
| S | Spike Recovery outside accepted recovery limits | | |