



Uranerz Energy Corporation
(an Energy Fuels Company)
1701 East "E" Street
Casper, WY 82605
307-265-8900
www.energyfuels.com

April 18, 2016

UIC Program Supervisor
DEQ – Water Quality Division
Herschler Building
4W, 122 West 25th Street
Cheyenne, WY 82002

Re: 1st Quarter 2016 Report, Uranerz Energy Corporation, UIC Class I Permit #10-392

To Whom It May Concern,

WDEQ-WQD UIC Permit #10-392 Section K, *Records and Reports*, requires Uranerz Energy Corporation (Uranerz) to submit quarterly reports to WDEQ-WQD for the UIC Class I wells. Uranerz operated two installed UIC wells, NICH-DW-1 and NICH-DW-4 during the quarter.

Attached, please find the 1st Quarter 2016 Report.

If you have any questions regarding the provided information, please contact me at 307-232-6680 or by email at bbonifas@energyfuels.com.

Sincerely,

A handwritten signature in blue ink, appearing to read 'B. Bonifas', with a long horizontal stroke extending to the right.

Bernard Bonifas
Mine Manager
Uranerz Energy Corporation (an Energy Fuels company)

BB/th

Attachments: 1st Quarter 2016 Report

cc: Ursula Williams, WDEQ-WQD, District 3



**UIC Class I Permit 10-392
1st Quarter 2016 Report**

Introduction

Uranerz Energy Corporation (Uranerz) received approval on October 22, 2012 of Class I UIC permit 10-392. Two UIC wells were installed, NICH-DW-1 and NICH-DW-4. NICH-DW-1 was approved for injection on December 5, 2013. NICH-DW-4 was approved for injection on December 20, 2013. The following quarterly reporting requirements are derived from Section K.6 of the UIC permit.

1. Injection Rates

Report the minimum, volume-weighted average and maximum instantaneous injection rate for each well each month of the quarter. The page showing the maximum injection rates shall also show the maximum permitted injection rates for comparison.

Table 1 below is a tabulation of the monthly instantaneous injection rate data for the period.

Table 1: Monthly Instantaneous Injection Rates

Well ID	Month	Minimum Injection (gpm)	Volume-weighted average Injection (gpm)	Maximum Injection (gpm)	Maximum Permitted Injection Rate (gpm)
NICH-DW-1	January	0.1	21.0	46.7	150
	February	0.1	20.6	52.1	
	March	0.5	23.2	57.5	
NICH-DW-4	January	0.2	21.5	36.5	
	February	0.2	22.0	45.1	
	March	0.8	24.3	56.5	

2. Injection Pressures

Report the minimum, average and maximum daily injection pressures for each well for each month of the quarter. Any pressures that activate alarms or kill switches are discussed in Section 7.



Table 2 below is a tabulation of the daily injection pressure data for each well, each month of the reporting period.

Table 2: Monthly Injection Pressure

Well ID	Month	Minimum Injection (psi)	Average Injection (psi)	Maximum Injection (psi)	Maximum Permitted Injection Pressure (LSIP psi)
NICH-DW-1	January	853.6	1020.0	1092.9	1112
	February	816.1	1025.7	1098.8	
	March	787.1	979.8	1068.2	
NICH-DW-4	January	868.6	1032.3	1078.5	1199
	February	915.9	1037.5	1096.5	
	March	782.9	1015.2	1077.8	

3. Injection Volume

Report the total injection volume in barrels for each month of the quarter, the total for the quarter, and the total cumulative volume of waste injected to date.

Table 3 below is a tabulation of the injection volume data for the period.

Table 3: Total Injection Volumes

Well ID	Month	Total Injection Volume (bbl)	Total Quarterly Volume (bbl)	Total Quarterly Volume (bbl)	Total Cumulative Volume (bbl to date)
NICH-DW-1	January	14617.5	40098.6	85837.6	656415.6
	February	12615.5			
	March	12865.7			
NICH-DW-4	January	16279.1	45739.0		
	February	14953.6			
	March	14506.3			



4. Annulus Pressure

Report the maximum and minimum annulus pressures for each well, each month of the quarter. Any pressures that activate alarms or kill switches are discussed in section 7

Table 4 below is a tabulation of the monthly annulus pressure data for the period.

Table 4: Monthly Annulus Pressure

Well ID	Month	Minimum Annulus Pressure (psi)	Maximum Annulus Pressure (psi)	Permitted Annulus Pressure Range (psig)
NICH-DW-1	January	316.8	693.5	200-800
	February	392.0	716.8	
	March	389.1	723.5	
NICH-DW-4	January	426.8	448.0	
	February	218.9	463.3	
	March	370.4	467.2	

5. Analytical Results

Report any quarterly analytical results required by Section I of this permit. Sample collection dates should allow ample time to receive analytical results prior to reporting deadlines.

The Injectate sample was collected on January 11, 2016 and submitted to a third party laboratory for analysis. A copy of the analytical results is attached. NICH-DW-1 and NICH-DW-4 receive waste from the same pipe exiting the plant. Per Section I of the permit, if any group of wells receives waste from the same pipe exiting the plant, a single sample may be collected for that group rather than at the individual well.

6. Permit Exceedances

Report any permit exceedances within the quarter. The following list of exceedances are related to the Annulus Pressure.

There were no permit exceedances during the quarter for either NICH-DW-1 or NICH-DW-4.



7. Events That Triggered Alarms or Shutdowns

Report any events that triggered alarms or shutdowns and the responses taken during the quarter shall be fully described.

There were no triggered alarms or unplanned shutdowns during the quarter for either NICH-DW-1 or NICH-DW-4.

8. Well Tests

Any well tests conducted more than 30 days before the end of the quarter (e.g. mechanical integrity, pressure fall-off, or step rate injection) and reports of well workovers.

There were no well tests or workovers conducted during the quarter.



Inter-Mountain Labs
Sheridan, WY and Gillette, WY

- CHAIN OF CUSTODY RECORD -

Page of
165023

All shaded fields must be completed.
This is a legal document; any misrepresentation may be construed as fraud.

Client Name UCANERZ ENERGY FUELS	Project Identification NICHOLS RANCH	Sampler (Signature/Attestation of Authenticity) <i>[Signature]</i> CHUCK PATTERSON	Telephone # 307-232-6675
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Report Address 1701 EAST E. STREET CASPER, WY 82601	Contact Name CHUCK PATTERSON
Invoice Address	Email CPATTERSON@ENERGYFUELS.COM
	Phone 307-232-6675

Purchase Order #	Quote #
------------------	---------

ITEM	LAB ID (Lab Use Only)	DATE SAMPLED	TIME SAMPLED	SAMPLE IDENTIFICATION	Matrix	# of Containers	ANALYSES / PARAMETERS										REMARKS
1	51601129-001	01-11-16	1210	DEEP DISPOSAL WELL DETECTATE	WT	4											
2	002	01-11-16	1230	TRIP BLANK	WT	4											
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	

LAB COMMENTS 4.6°C	Relinquished By (Signature/Printed) <i>[Signature]</i> CHUCK PATTERSON	DATE 01-11-16	TIME 1245	Received By (Signature/Printed) <i>[Signature]</i> KATHY BOYD	DATE 01-12-16	TIME 11:37
------------------------------	--	-------------------------	---------------------	---	-------------------------	----------------------

SHIPPING INFO		MATRIX CODES		TURNAROUND TIMES		COMPLIANCE INFORMATION		ADDITIONAL REMARKS	
<input type="checkbox"/> UPS	<input type="checkbox"/> Fed Express	Water	WT	Check desired service		Compliance Monitoring?	Y / N		
<input type="checkbox"/> US Mail	<input type="checkbox"/> Hand Carried	Soil	SL	<input type="checkbox"/> Standard turnaround		Program (SDWA, NPDES,...)			
<input type="checkbox"/> Other		Solid	SD	<input type="checkbox"/> RUSH - 5 Working Days		PWSID / Permit #			
		Filter	FT	<input checked="" type="checkbox"/> URGENT - < 2 Working Days		Chlorinated?	Y / N		
		Other	OT	Rush & Urgent Surcharges will be applied		Sample Disposal: Lab	Client		

DDW Injectate

Table 9. Analyte and Parameter List for Quarterly Analyses of Injectate

EPA Analytical Method	Analyte or Parameter	CAS Number
SM2550 B	Temperature	None
120.1 or SM2510 B	Specific Conductance at 25 C	None
SM4500-II' B	pH	None
none listed	Specific Gravity	None
160.1 or SM2540 C	Total Dissolved Solids	None
SM2320 B	Bicarbonate	71-52-3
SM2320 B	Carbonate	3812-32-6
300.0 or 300.1	Chloride, Total	16887-00-6
300.0, 300.1, or 375.2	Sulfate, Total	14808-79-8
SM4500-S2-D, SM4500-S2-G	Hydrogen Sulfide	7783-06-4
206.5, 200.7, or 200.8	Arsenic, Total	7440-38-2
200.7 or 200.8	Selenium, Total	7782-49-2
200.7 or 200.8	Vanadium, Total	7440-62-2
908.1 or 200.8	Uranium, Total	7440-61-1
903.1	²²⁶ Radium (picoCuries/liter)	7440-14-4

Note: Methods preceded by "SM" are standard methods.

Limiting Concentrations of Injectate - Analyte and parameter limits for this permit are listed in Table 10. The upper and lower control limits and concentrations of pH must remain within the range indicated in Table 10. Exceedances of these values are a violation of this permit and require notification under Section K of this permit.

Table 10. Control Limits for Injected Waste

Analyte or Parameter	Upper Control Limit
pH	2.0 < pH < 11 s.u.

J. Sampling and Test Procedures

The following units are to be used where applicable: pounds (mass) per square inch for pressure with gage or absolute pressure noted (psig or psia); standard oil field barrels (bbl, equivalent to 42 gallons) for fluid volume; standard oil field barrels per day (bbl/day) for fluid flow rates; milligrams per liter (mg/L) for analyte concentrations, except for pH, which is to be reported in standard units (s.u.) and except for radium, radioactive strontium isotopes, and gross alpha particle radioactivity, which are to be reported in picoCuries per liter (pCi/L). The permittee may report equivalent quantities in other units in addition to those above.

Procedures and methods for sample collection and analyses shall be implemented by the permittee to ensure that the samples are representative of the groundwater, water, or waste being sampled (Chapter 13, Section 14(a)).



Inter-Mountain Labs

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Your Environmental Monitoring Partner

Date: 1/28/2016

CLIENT: Uranerz Energy Corp.
Project: Nichols Ranch
Lab Order: S1601128

CASE NARRATIVE
Report ID: S1601128001

Samples Deep Disposal Well Injectate, and Trip Blank were received on January 12, 2016.

All samples were received and analyzed within the EPA recommended holding times, except those noted below in this case narrative. Samples were analyzed using the methods outlined in the following references:

"Standard Methods For The Examination of Water and Wastewater", approved method versions

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition

40 CFR Parts 136 and 141

40 CFR Part 50, Appendices B, J, L, and O

Methods indicated in the Methods Update Rule published in the Federal Register Friday, May 18, 2012

ASTM approved and recognized standards

All Quality Control parameters met the acceptance criteria defined by EPA and Inter-Mountain Laboratories except as indicated in this case narrative.

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager

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1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

Sample Analysis Report

Company: Energy Fuels (Uranerz Energy Corp)
1701 East "E" Street
Casper, WY 82605

Date Reported 1/28/2016
Report ID S1601128001

ProjectName: Nichols Ranch
Lab ID: S1601128-001
ClientSample ID: Deep Disposal Well Injectate
COC: 165023

WorkOrder: S1601128
CollectionDate: 1/11/2016 12:10:00 PM
DateReceived: 1/12/2016 11:37:00 AM
FieldSampler: CP
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO ₃)	840	mg/L		5	SM 2320B	01/12/2016 1631	SFF
Alkalinity, Bicarbonate as HCO ₃	1030	mg/L		5	SM 2320B	01/12/2016 1631	SFF
Alkalinity, Carbonate as CO ₃	ND	mg/L		5	SM 2320B	01/12/2016 1631	SFF
Chloride	395	mg/L		1	EPA 300.0	01/14/2016 1755	AB
Sulfate	502	mg/L		5	EPA 300.0	01/12/2016 2148	AB
General Parameters							
pH	7.8	s.u.		0.1	SM 4500 H B	01/12/2016 1631	SFF
Electrical Conductivity	3360	µmhos/cm		5	SM 2510B	01/12/2016 1631	SFF
Total Dissolved Solids (180)	2390	mg/L		10	SM 2540	01/12/2016 1448	SFF
Specific Gravity	0.99	20°C/4°C		0.01	ASTM D1429-08	01/13/2016 1002	KB
Sulfide as H ₂ S	ND	mg/L		0.01	HACH 8131	01/13/2016 919	NLG
Metals - Total							
Arsenic	0.031	mg/L		0.001	EPA 200.8	01/14/2016 1635	MS
Selenium	2.69	mg/L		0.001	EPA 200.8	01/14/2016 1635	MS
Uranium	0.576	mg/L		0.0003	EPA 200.8	01/14/2016 1635	MS
Vanadium	0.533	mg/L		0.005	EPA 200.8	01/14/2016 1635	MS
Radionuclides - Dissolved							
Radium 226	350	pCi/L		0.2	SM 7500 Ra-B	01/26/2016 917	MB
Radium 226 Precision (±)	2.1	pCi/L			SM 7500 Ra-B	01/26/2016 917	MB

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:	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 another laboratory
	M	Value exceeds Monthly Ave or MCL or is less than LCL	ND	Not Detected at the Reporting Limit
	O	Outside the Range of Dilutions	S	Spike Recovery outside accepted recovery limits
	X	Matrix Effect		

Reviewed by:

Wade Nieuwsma, Assistant Laboratory Manager

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Sample Analysis Report

Company: Energy Fuels (Uranerz Energy Corp)
1701 East "E" Street
Casper, WY 82605

Date Reported 1/28/2016
Report ID S1601128001

ProjectName: Nichols Ranch
Lab ID: S1601128-002
ClientSample ID: Trip Blank
COC: 165023

WorkOrder: S1601128
CollectionDate: 1/11/2016 12:30:00 PM
DateReceived: 1/12/2016 11:37:00 AM
FieldSampler: CP
Matrix: Water

Comments

Analyses	Result	Units	Qual	RL	Method	Date Analyzed/Init	
Anions/Cations							
Alkalinity, Total (As CaCO ₃)	ND	mg/L		5	SM 2320B	01/12/2016 1637	SFF
Alkalinity, Bicarbonate as HCO ₃	ND	mg/L		5	SM 2320B	01/12/2016 1637	SFF
Alkalinity, Carbonate as CO ₃	ND	mg/L		5	SM 2320B	01/12/2016 1637	SFF
Chloride	ND	mg/L		1	EPA 300.0	01/12/2016 2201	AB
Sulfate	ND	mg/L		5	EPA 300.0	01/12/2016 2201	AB
General Parameters							
pH	6.0	s.u.		0.1	SM 4500 H B	01/12/2016 1637	SFF
Electrical Conductivity	ND	µmhos/cm		5	SM 2510B	01/12/2016 1637	SFF
Total Dissolved Solids (180)	ND	mg/L		10	SM 2540	01/12/2016 1449	SFF
Specific Gravity	1.00	20°C/4°C		0.01	ASTM D1429-08	01/13/2016 1003	KB
Sulfide as H ₂ S	ND	mg/L		0.01	HACH 8131	01/13/2016 924	NLG
Metals - Total							
Arsenic	ND	mg/L		0.001	EPA 200.8	01/14/2016 1646	MS
Selenium	ND	mg/L		0.001	EPA 200.8	01/14/2016 1646	MS
Uranium	ND	mg/L		0.0003	EPA 200.8	01/14/2016 1646	MS
Vanadium	ND	mg/L		0.005	EPA 200.8	01/14/2016 1646	MS
Radionuclides - Dissolved							
Radium 226	0.2	pCi/L		0.2	SM 7500 Ra-B	01/26/2016 917	MB
Radium 226 Precision (±)	0.1	pCi/L			SM 7500 Ra-B	01/26/2016 917	MB

These results apply only to the samples tested.

RL - Reporting Limit

Qualifiers:	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 another laboratory
	M	Value exceeds Monthly Ave or MCL or is less than LCL	ND	Not Detected at the Reporting Limit
	O	Outside the Range of Dilutions	S	Spike Recovery outside accepted recovery limits
	X	Matrix Effect		

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Assistant Laboratory Manager



Inter-Mountain Labs

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Your Environmental Monitoring Partner

ANALYTICAL QC SUMMARY REPORT

CLIENT: Uranerz Energy Corp.

Date: 1/28/2016

Work Order: S1601128

Report ID: S1601128001

Project: Nichols Ranch

AlkalinitySample Type **MBLK**

Units: mg/L

BLANK (01/12/16 15:55)	RunNo: 130204							
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual	
Alkalinity, Total (As CaCO3)	ND	5						

AlkalinitySample Type **LCS**

Units: mg/L

ATQC (01/12/16 15:47)	RunNo: 130204							
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual	
Alkalinity, Total (As CaCO3)	604	5	595		101	90 - 110		

AlkalinitySample Type **DUP**

Units: mg/L

S1601131-002AD (01/12/16 17:23)	RunNo: 130204							
Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual	
Alkalinity, Bicarbonate as HCO3	241	5	242	0.681		20		
Alkalinity, Carbonate as CO3	14	5	15	4.99		20		
Alkalinity, Total (As CaCO3)	221	5	223	1.15		20		

ConductivitySample Type **MBLK**

Units: µmhos/cm

BLANK (01/12/16 15:55)	RunNo: 130204							
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual	
Electrical Conductivity	ND	5						

ConductivitySample Type **LCS**

Units: µmhos/cm

ATQC (01/12/16 15:47)	RunNo: 130204							
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual	
Electrical Conductivity	1060	5	1060		99.5	90 - 110		

ConductivitySample Type **DUP**

Units: µmhos/cm

S1601131-002AD (01/12/16 17:23)	RunNo: 130204							
Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual	
Electrical Conductivity	398	5	405	1.74		20		

Qualifiers:

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
L Analyzed by another 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
X Matrix Effect



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ANALYTICAL QC SUMMARY REPORT

CLIENT: Uranerz Energy Corp.
 Work Order: S1601128
 Project: Nichols Ranch

Date: 1/28/2016
 Report ID: S1601128001

Anions by ION ChromatographySample Type **MBLK**

Units: mg/L

BLK (01/14/16 16:35)		RunNo: 130279						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual	
Chloride	ND	1						
Sulfate	ND	1						

Anions by ION ChromatographySample Type **LCS**

Units: mg/L

DIONEX (01/12/16 08:54)		RunNo: 130202						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual	
Chloride	29	1	30		95.8	90 - 110		
Sulfate	142	1	150		94.4	90 - 110		

Anions by ION ChromatographySample Type **MS**

Units: mg/L

S1601131-001ASPK (01/12/16 22:41)		RunNo: 130202						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual	
Chloride	36	1	27.3	6	109	80 - 120		
Sulfate	339	2	205	110	112	80 - 120		

Anions by ION ChromatographySample Type **MSD**

Units: mg/L

S1601131-001ASPKD (01/12/16 22:55)		RunNo: 130202						
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual	
Chloride	36	1	36	0.613	110	20		
Sulfate	340	2	339	0.358	113	20		

Radium 226 in Water - DissolvedSample Type **MBLK**

Units: pCi/L

MB-1569 (01/26/16 09:17)		RunNo: 130585		PrepDate: 01/18/16 0:00		BatchID: 11318		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual	
Radium 226 (Dissolved)	ND	0.2						

Radium 226 in Water - DissolvedSample Type **LCS**

Units: pCi/L

LCS-1569 (01/26/16 09:17)		RunNo: 130585		PrepDate: 01/18/16 0:00		BatchID: 11318		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual	
Radium 226 (Dissolved)	4.6	0.2	5.21		88.0	67.1 - 122		

Radium 226 in Water - DissolvedSample Type **LCSD**

Units: pCi/L

LCSD-1569 (01/26/16 09:17)		RunNo: 130585		PrepDate: 01/18/16 0:00		BatchID: 11318		
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual	
Radium 226 (Dissolved)	4.2	0.2	4.6	9.68	79.9	20		

Radium 226 in Water - DissolvedSample Type **MS**

Units: pCi/L

S1601131-001E MS (01/26/16 11:20)		RunNo: 130585		PrepDate: 01/18/16 0:00		BatchID: 11318		
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual	
Radium 226 (Dissolved)	4.6	0.2	5.21	0.3	82.7	65 - 131		

Qualifiers: B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 L Analyzed by another 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
 X Matrix Effect



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ANALYTICAL QC SUMMARY REPORT

CLIENT: Uranerz Energy Corp.
Work Order: S1601128
Project: Nichols Ranch

Date: 1/28/2016
Report ID: S1601128001

Solids By SM 2540Sample Type **MBLK**

Units: mg/L

DI (01/12/16 14:46)	RunNo: 130256							
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual	
Total Dissolved Solids (180)	ND	10						

Solids By SM 2540Sample Type **LCS**

Units: mg/L

CONTROL (01/12/16 14:47)	RunNo: 130256							
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual	
Total Dissolved Solids (180)	220	10	226		96.5	90 - 110		

Solids By SM 2540Sample Type **DUP**

Units: mg/L

S1601133-003A (01/12/16 14:58)	RunNo: 130256							
Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual	
Total Dissolved Solids (180)	10700	10	10800	0.186		20		

Sulfide by HACH 8131Sample Type **MBLK**

Units: mg/L

BLANK (01/13/16 09:14)	RunNo: 130209							
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual	
Sulfide as H2S	ND	0.01						

Sulfide by HACH 8131Sample Type **LCS**

Units: mg/L

QC (01/13/16 09:19)	RunNo: 130209							
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual	
Sulfide as H2S	0.38	0.01	0.452		83.5	80 - 120		

Sulfide by HACH 8131Sample Type **MS**

Units: mg/L

S1601135-001E (01/13/16 09:34)	RunNo: 130209							
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual	
Sulfide as H2S	0.35	0.01	0.452	ND	77.9	70 - 130		

Sulfide by HACH 8131Sample Type **MSD**

Units: mg/L

S1601135-001E (01/13/16 09:34)	RunNo: 130209							
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual	
Sulfide as H2S	0.34	0.01	0.35	3.99	74.8	20		

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
L Analyzed by another 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
X Matrix Effect



Inter-Mountain Labs

Your Environmental Monitoring Partner

1673 Terra Avenue, Sheridan, Wyoming 82801 ph: (307) 672-8945

ANALYTICAL QC SUMMARY REPORT

CLIENT: Uranerz Energy Corp.
 Work Order: S1601128
 Project: Nichols Ranch

Date: 1/28/2016
 Report ID: S1601128001

Total (200.2) Metals by EPA 200.8 - WaterSample Type **MBLK**

Units: mg/L

MB-11273 (01/14/16 16:25)	RunNo: 130295	PrepDate: 01/13/16 8:20	BatchID: 11273					
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual	
Arsenic	ND	0.005						
Selenium	ND	0.001						
Uranium	ND	0.0003						
Vanadium	ND	0.02						

Total (200.2) Metals by EPA 200.8 - WaterSample Type **LCS**

Units: mg/L

LCS-11273 (01/14/16 16:30)	RunNo: 130295	PrepDate: 01/13/16 8:20	BatchID: 11273					
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual	
Arsenic	0.202	0.005	0.2		101	85 - 115		
Selenium	0.401	0.001	0.4		100	85 - 115		
Uranium	0.196	0.0003	0.2		97.9	85 - 115		
Vanadium	0.19	0.02	0.2		96.8	85 - 115		

Total (200.2) Metals by EPA 200.8 - WaterSample Type **MS**

Units: mg/L

S1601128-002CS (01/14/16 16:51)	RunNo: 130295	PrepDate: 01/13/16 8:20	BatchID: 11273					
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual	
Arsenic	0.202	0.001	0.2	ND	101	70 - 130		
Selenium	0.403	0.001	0.4	ND	101	70 - 130		
Uranium	0.197	0.0003	0.2	ND	98.4	70 - 130		
Vanadium	0.198	0.005	0.2	ND	98.9	70 - 130		

Total (200.2) Metals by EPA 200.8 - WaterSample Type **MSD**

Units: mg/L

S1601128-002CMSD (01/14/16 16:57)	RunNo: 130295	PrepDate: 01/13/16 8:20	BatchID: 11273					
Analyte	Result	RL	Conc	%RPD	%REC	% RPD Limits	Qual	
Arsenic	0.205	0.001	0.202	1.40	103	20		
Selenium	0.402	0.001	0.403	0.183	100	20		
Uranium	0.199	0.0003	0.197	1.11	99.5	20		
Vanadium	0.199	0.005	0.198	0.359	99.3	20		

pH WaterSample Type **LCS**

Units: s.u.

ATQC (01/12/16 15:47)	RunNo: 130204							
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual	
pH	8.8	0.1	8.6		102	90 - 110		

pH WaterSample Type **DUP**

Units: s.u.

S1601131-002AD (01/12/16 17:23)	RunNo: 130204							
Analyte	Result	RL	Ref Samp	%RPD	%REC	% RPD Limits	Qual	
pH	9.0	0.1	9.0	0.0428		20		

Qualifiers: B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 L Analyzed by another 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
 X Matrix Effect