



40-8964

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UPS

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**Administrative Order on Consent (AOC), (Docket No. 3211-00), TFN 3 2/290
Injection Well Casing Leak Investigation,
Quarterly Progress Report – 2nd Quarter, 2013,
Cameco Resources Permit to Mine 603, NRC Source Material License SUA-1548**

Dear Sirs:

Power Resources, Inc., d/b/a Cameco Resources (Cameco) is herein submitting the 2nd Quarter, 2013 Injection Well Casing Leak Investigation Progress Report. This report contains a summary of investigative and mitigative activities associated with injection well casing leaks in the C, E, and F-Wellfields at the Highland Uranium Project.

During the report period, Cameco continued investigative and mitigative activities by conducting mechanical integrity testing (MIT), water quality sampling of shallow monitoring wells, further investigating impacted hydrostratigraphic units, and planning for aquifer testing and remediation strategies.

If you have questions or require additional information, please call me at (307) 358-6541, ext. 476 or email to Kenneth_Garoutte@cameco.com if you have any questions.

Respectfully,

A handwritten signature in black ink, appearing to read "Ken Garoutte".

Ken Garoutte
Safety, Health, Environment, Quality (SHEQ) Manager

KG/mb

FSME20

Attachments: Injection Well Casing Leak Investigation, 2nd Quarter, 2013 Progress Report

cc: File HUP 4.3.3.2
Robin Jones w/WDEQ/LQD, UPS #
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ec: Cameco Resources – Cheyenne

**POWER RESOURCES, INC. D/B/A/ CAMECO RESOURCES
HIGHLAND URANIUM PROJECT
INJECTION WELL CASING LEAK INVESTIGATION**

**QUARTERLY PROGRESS REPORT – SECOND QUARTER
APRIL THROUGH JUNE, 2013**

1. INTRODUCTION

In accordance with Item No. 2 of the Administrative Order on Consent (AOC), Docket No. 3211-00, Power Resources, Inc. d/b/a/ Cameco Resources (Cameco) is providing the status of injection well casing leak investigative and mitigative activities in the C, E, and F-Wellfields for the quarterly report period.

1.1 List of Suspect and/or Failed Wells

The status of failed and/or suspect wells in the C, E and F-Wellfields are provided in Tables 1 through 3, respectively. During the report period, only one (1) new well was added to the list and is denoted in Table 3 with a ">" symbol. In the C and E-Wellfields (Tables 1 and 2), no new wells were added to the MIT well failure inventory. In the F-Wellfield (Table 3), well FI-0137 was added to the MIT well failure inventory.

The status of the five (5) wells added to list of suspect and/or failed wells on the 1st Quarterly Progress Report, 2013 are as follows. In the C-Wellfield (Table 1), well CI-132 was plugged on 6/17/2013. In the E-Wellfield (Table 2), well EI-316 was plugged on 6/17/2013. In the F-Wellfield (Table 3), wells FI-0176, FI-0890 and FI-1230 were plugged on 5/2/2013, 6/17/2013 and 5/28/2013 respectively.

Any additional wells in the C, E, and F-Wellfields that fail MIT in the future will be added to these lists and either be 1) repaired and re-tested for mechanical integrity, or 2) plugged and abandoned in accordance with the requirements of Wyoming Department of Environmental Quality/Land Quality Division (WDEQ/LQD) Noncoal Rules and Regulations, Chapter 11, Section 8(c).

1.2 Maps Showing Locations of Monitor Wells Relative to Failed/Suspect Wells and Newly Failed Wells Added to the MIT Failure Database During 2013

In accordance with Cameco's proposed revisions to the AOC dated February 21, 2002 and LQD's approval dated March 11, 2002, revised maps for MIT well failures in the C, E and F-Wellfields are submitted annually along with the 4th Quarter Annual Report unless substantial changes occur during any quarterly report period. Updated maps that display additional MIT well failures that occurred throughout the year, and the stratigraphic interval where the failure occurred, will be submitted within the 4th Quarter, 2013 Annual Report.

2. MINE UNIT INVESTIGATIVE AND MITIGATIVE ACTIVITIES

2.1 Recent Activities

Recent Shallow Monitoring Well Installation:

During the report period, Cameco continued geologic and hydrologic investigations in the C, E and F-Wellfields. These investigations were conducted consistent with Cameco's notification to the LQD dated September 14, 2011. Twelve (12) new shallow groundwater monitoring wells were drilled, completed and developed for sampling during the 1st Quarter, 2013. Three (3) new shallow groundwater monitoring wells were drilled, completed and developed in the 120 sand unit of the F-Wellfield. Two (2) new shallow groundwater monitoring wells were drilled, completed and developed in the 110 sand unit of the F-Wellfield. One (1) new shallow groundwater monitoring well was drilled, completed and developed in the 130 sand unit of the C-Wellfield. Two (2) new shallow groundwater monitoring wells were drilled, completed and developed in the 110 sand unit of the C-Wellfield. Two (2) new shallow groundwater monitoring wells were drilled, completed and developed in the 100 sand unit of the C-Wellfield. Two (2) new shallow groundwater monitoring wells were drilled, completed and developed in the 80 sand unit of the C-Wellfield.

The locations of the seven (7) new shallow groundwater monitoring wells in the C-Wellfield were added to the map (Figure 1) and included in the 2nd Quarterly Progress Report, 2013. The locations of the five (5) new shallow groundwater monitoring wells in F-Wellfield were added to the map (Figure 2) and included in the 2nd Quarterly Progress Report, 2013. All of the recently installed shallow groundwater monitoring well construction information is shown in Table 4.

Recent Shallow Monitoring Well Sampling:

In a meeting on June 17, 2013 between LQD and Cameco, LQD was informed by Cameco that every effort would be made to sample all of the recently installed (2012 and 2013) shallow groundwater monitoring wells of the C, E and F-Wellfields, as well as approximately 50% of the older existing shallow groundwater monitoring wells.

Of the current total (139) of new and existing shallow groundwater monitoring wells (Table 5), 60% of the shallow groundwater monitoring wells were sampled for the 2nd Quarter, 2013. The 22 of the 23 shallow groundwater monitoring wells installed in C, E and F-Wellfields for 2012 were sampled for full suite of parameters as outline in the Sampling and Analysis Plan. Twelve (12) new shallow groundwater monitoring wells installed in the C and F-Wellfields during the 1st Quarter, 2013 were sampled for the full suite of parameters as outline in the Sampling and Analysis Plan. An additional 48 shallow groundwater monitoring wells were sampled for a full suite of parameters as outlined in the Sampling and Analysis Plan.

The water quality analysis results for the wells installed in the C, E and F-Wellfields in 2012 and earlier are summarized in Tables 6, 7 and 8. The water quality analysis results for the wells installed in the C and F-Wellfields in 2013 are summarized in Tables 9 and 10.

2.2 Planned Activities

In consultation with the LQD, Cameco will continue with monitoring well installations and groundwater sampling during the 3rd Quarterly Progress Report, 2013 report period. As described in Cameco's September 14, 2011 notification to the LQD, monitoring wells will be used to obtain and define geological/hydrological characteristics and water quality data in support of a comprehensive assessment of the potential impacts to the C, E and F-Wellfields. The continued advancement of shallow groundwater monitoring wells will continue into 2013, as the extent of potential impacts to shallow hydrostratigraphic units begins to take shape.

Planned Shallow Monitoring Well Installation

An additional area in the F-Wellfield has been targeted for casing leak investigations in the vicinity of Header House F-11 and groundwater monitoring well FM-009A. In consultation with the LQD, a cluster of three (3) shallow groundwater monitoring wells will be installed near FM-009A. The well cluster location is shown on the attached map that is labeled Figure 3. This CLI well location has been spotted directly up-gradient (groundwater) from the original FM-009 monitoring well, where potential casing leak impacts may exist. Due to supply issues with the casing manufacturing company, Cameco had to reschedule drilling with the contractor. It is anticipated that well advancement will begin during the first week of October, 2013. Results of investigations will be immediately communicated to the LQD as results are gathered.

Planned Groundwater Quality Sampling and Characterization

A list of 139 shallow groundwater monitoring wells (Table 5) represents the present status of CLI wells available for sampling, characterization and restoration purposes. The shallow groundwater monitoring wells shaded in gray (90) contain an extensive amount of analytical sample data for characterization and will not be sampled for the 3rd Quarterly Progress Report, 2013, but they will remain accessible for future restoration purposes. The remaining 49 shallow groundwater monitoring wells along with any newly installed shallow groundwater monitoring wells will be sampled quarterly as outlined in the Sampling and Analysis Plan for Casing Leak Investigation.

Aquifer Testing

Cameco has requested a proposal for an aquifer test plan from an outside consultant. The focus of the aquifer test will be to investigate the possible interconnectivity of the shallow sand units within the northern portion of the C-Wellfield (C-North). The results of all aquifer testing will be communicated to the LQD in Quarterly CLI Progress Reports. In addition and as agreed upon during the meeting between LQD and Cameco personnel on June 17th, the LQD will be informed before any aquifer testing takes place.

Shallow Groundwater Remediation

During the course of the 2nd Quarter reporting period, Cameco has been working to install and refurbish infrastructure in the E-Wellfield that will allow the commencement of shallow groundwater remediation pump and treat activities, following the final definition of impacted areas requiring remediation. Once impacted areas are better defined and aquifer testing/characterization is complete in the C, E, and F-Wellfields, remediation activities will then begin in those areas that display impacts requiring remediation. Cameco has started work on a plan that will utilize the existing infrastructures of the C, E and F-Wellfields. Plans for groundwater pump and treat methodologies will be incorporated into the Restoration Plans presently active in the C, E and F-Wellfields. Cameco will inform the appropriate regulatory agencies (NRC and LQD) prior to initiating remediation methodologies.

TABLE 1: C Wellfield Wells Repaired or Abandoned

| | Well | HH | Comments | Sand Association* | Abandoned | Repaired | No Further Investigation |
|----|---------|----|---------------------------|-------------------|-----------|----------|--------------------------|
| 1 | CI-001 | C1 | Failed: MIT | 140 | X | | |
| 2 | CI-002 | C1 | Failed: MIT | NS | | X | |
| 3 | CI-003 | C1 | Failed: MIT | 150, 140, 130 | X | | |
| 4 | CI-005 | C1 | Failed: Camera | 140 | X | | |
| 5 | CI-006 | C1 | Failed: Camera | 140 | X | | |
| 6 | CI-008 | C1 | Failed: MIT | 150, 140, 130 | X | | |
| 7 | CI-009 | C1 | Failed: MIT | 150 | X | | |
| 8 | CI-010 | C1 | Failed: Testing Procedure | NFI | X | | X |
| 9 | CI-012 | C1 | Failed: MIT | 80 | X | | |
| 10 | CI-013 | C1 | Failed: MIT | 150 | X | | |
| 11 | CI-016 | C1 | Failed: MIT | NS | | X | |
| 12 | CI-017 | C2 | Failed: MIT | 130, 100 | X | | |
| 13 | CI-018 | C2 | Failed: MIT | UD | X | | |
| 14 | CI-021 | C2 | Failed: MIT | NS | | X | |
| 15 | CI-025 | C3 | Failed: MIT | 150, 140, 50, | X | | |
| 16 | CI-026 | C3 | Failed: MIT | 140, 130 | X | | |
| 17 | CI-027A | C2 | Failed: MIT | 140, 130, 60 | X | | |
| 18 | CI-028A | C2 | Failed: MIT | 150 | | X | |
| 19 | CI-030 | C2 | Failed: MIT | 140 | X | | |
| 20 | CI-030A | C2 | Failed: MIT | UD | X | | |
| 21 | CI-031 | C2 | Failed: MIT | UDI | X | | |
| 22 | CI-032 | C3 | Failed: MIT | 140, 130 | X | | |
| 23 | CI-033 | C3 | Failed: MIT | 130 | X | | |
| 24 | CI-034 | C2 | Failed: MIT | 140, 100 | X | | |
| 25 | CI-035 | C4 | Failed: MIT | 150 | X | | |
| 26 | CI-038 | C4 | Failed: MIT | 70 | X | | |
| 27 | CI-039 | C3 | Failed: MIT | 150 | X | | |
| 28 | CI-040A | C3 | Failed: MIT | 90, 70 | X | | |
| 29 | CI-041 | C3 | Failed: MIT | UD (Q2 2011) | X | | |
| 30 | CI-043 | C3 | Failed: MIT | NS | X | | |
| 31 | CI-044 | C4 | Failed: MIT | 140 | X | | |
| 32 | CI-045 | C3 | Failed: MIT | NS | X | | |
| 33 | CI-046 | C3 | Failed: MIT | 150, 140, 130, 70 | X | | |
| 34 | CI-048 | C3 | Failed: MIT | 140 | X | | |
| 35 | CI-050 | C4 | Failed: Testing Procedure | NFI | | | X |
| 36 | CI-051 | C4 | Failed: MIT | 140 | X | | |
| 37 | CI-052 | C4 | Failed: MIT | NS | X | | |
| 38 | CI-053 | C4 | Failed: MIT | UD | X | | |
| 39 | CI-054 | C4 | Failed: MIT | 140, 130 | X | | |
| 40 | CI-056A | C4 | Failed: MIT | NS | X | | |
| 41 | CI-057 | C4 | Failed: MIT | 150, 140 | X | | |
| 42 | CI-059 | C4 | Failed: MIT | 140, 130 | X | | |
| 43 | CI-060 | C4 | Failed: MIT | 140 | X | | |
| 44 | CI-064 | C4 | Failed: MIT | 150; UD (Q2 2011) | X | | |
| 45 | CI-066 | C4 | Failed: MIT | 150 | X | | |
| 46 | CI-067 | C5 | Failed: MIT | 140, 70 | X | | |
| 47 | CI-068 | C5 | Failed: MIT | 150, 140, 100, 80 | X | | |
| 48 | CI-070 | C5 | Failed: MIT | 140 | X | | |

TABLE 1: C Wellfield Wells Repaired or Abandoned

| | Well | HH | Comments | Sand Association* | Abandoned | Repaired | No Further Investigation |
|----|---------|-----|-------------------------|-----------------------|-----------|----------|--------------------------|
| 49 | CI-071 | C5 | Failed: MIT | 150, 140, 100, 80, 70 | | X | |
| 50 | CI-072A | C3 | Geophysical Log Anomaly | 80/70 | | X | |
| 51 | CI-075 | C5 | Failed: MIT | 150, 140 | X | | |
| 52 | CI-076 | C5 | Failed: MIT | 140 | X | | |
| 53 | CI-077 | C3 | Failed: MIT | 140 | X | | |
| 54 | CI-078A | C3 | Failed: MIT | NS | X | | |
| 55 | CI-079 | C5 | Failed: MIT | UDI | X | | |
| 56 | CI-080 | C5 | Failed: MIT | 150/140, 80 | X | | |
| 57 | CI-081 | C5 | Failed: MIT | UDI | X | | |
| 58 | CI-082 | C5 | Failed: MIT | 140 | X | | |
| 59 | CI-083 | C6 | Failed: MIT | 80 | X | | |
| 60 | CI-084 | C6 | Failed: MIT | 150, 140 | X | | |
| 61 | CI-085 | C6 | Failed: MIT | UD | X | | |
| 62 | CI-086 | C6 | Failed: MIT | 150, 140, 130 | X | | |
| 63 | CI-090A | C6 | Failed: MIT | 140, 130, 100, 80, 60 | X | | |
| 64 | CI-095 | C6 | Failed: MIT | 130 | X | | |
| 65 | CI-096 | C6 | Failed: MIT | 60 | X | | |
| 66 | CI-097 | C6 | Failed: MIT | 110,60 | X | | |
| 67 | CI-100 | C6 | Failed: MIT | 150, 130, 100, 80 | X | | |
| 68 | CI-101 | C6 | Failed: MIT | 130 | X | | |
| 69 | CI-102 | C6 | Failed: MIT | UDI | X | | |
| 70 | CI-103 | C6 | Failed: MIT | NS | X | | |
| 71 | CI-108 | C6 | Failed: MIT | NS | X | | |
| 72 | CI-109 | C6 | Failed: MIT | 140 | X | | |
| 73 | CI-110 | C9 | Failed: MIT | 150, 130 | X | | |
| 74 | CI-112 | C8 | Failed: MIT | UD (Q2 2011) | X | | |
| 75 | CI-115 | C8 | Geophysical Log Anomaly | 130 | X | | |
| 76 | CI-116 | C8 | Failed: MIT | 150 | X | | |
| 77 | CI-117 | C8 | Failed: MIT | UD (Q2 2011) | X | | |
| 78 | CI-120 | C8 | Failed: MIT | 140 | X | | |
| 79 | CI-121 | C8 | Passed: MIT | NFI | | | X |
| 80 | CI-122 | C8 | Failed: MIT | NS | X | | |
| 81 | CI-124 | C8 | Failed: MIT | 140, 130 | X | | |
| 82 | CI-125 | C8 | Failed: MIT | 150, 140 | X | | |
| 83 | CI-128 | C8 | Failed: MIT | 150, 140 | X | | |
| 84 | CI-129 | C8 | Failed: Camera | 60 | | X | |
| 85 | CI-130 | C10 | Failed: Camera | 60 | X | | |
| 86 | CI-130A | C10 | Failed: MIT | 60 | X | | |
| 87 | CI-132 | C10 | Failed: MIT | | X | | |
| 88 | CI-134 | C10 | Failed: MIT | 140 | X | | |
| 89 | CI-135 | C10 | Failed: MIT | NS | X | | |
| 90 | CI-136 | C10 | Failed: MIT | 150 | X | | |
| 91 | CI-138 | C10 | Failed: MIT | NS | X | | |
| 92 | CI-142 | C10 | Failed: MIT | NS | X | | |
| 93 | CI-147 | C9 | Failed: MIT | NS | X | | |
| 94 | CI-148 | C9 | Failed: MIT | 150 | | X | |
| 95 | CI-152 | C9 | Failed: MIT | NS | X | | |
| 96 | CI-154 | C9 | Failed: MIT | 150 | X | | |

TABLE 1: C Wellfield Wells Repaired or Abandoned

| | Well | HH | Comments | Sand Association* | Abandoned | Repaired | No Further Investigation |
|-----|---------|-----|----------------|-------------------|-----------|----------|--------------------------|
| 97 | CI-159 | C9 | Failed: MIT | 140, 130 | X | | |
| 98 | CI-160 | C9 | Failed: MIT | 150, 130 | X | | |
| 99 | CI-164 | C9 | Failed: MIT | 150 | X | | |
| 100 | CI-165 | C9 | Failed: Camera | 150, 130, 60 | X | | |
| 101 | CI-170 | C12 | Failed: MIT | UD | X | | |
| 102 | CI-171 | C12 | Failed: MIT | 140 | X | | |
| 103 | CI-172 | C12 | Failed: MIT | UD | X | | |
| 104 | CI-177 | C10 | Failed: MIT | NS, UD (Q4 2011) | X | | |
| 105 | CI-178 | C10 | Failed: MIT | 60 | X | | |
| 106 | CI-179A | C12 | Failed: MIT | NS | | X | |
| 107 | CI-180 | C12 | Failed: MIT | 60 | X | | |
| 108 | CI-182 | C12 | Failed: MIT | NS | X | | |
| 109 | CI-183P | C12 | Failed: MIT | 60 | X | | |
| 110 | CI-184 | C12 | Failed: MIT | NS | X | | |
| 111 | CI-185 | C12 | Failed: MIT | 140 | X | | |
| 112 | CI-188 | C12 | Failed: MIT | 80 | X | | |
| 113 | CI-190 | C14 | Failed: MIT | 110, 60 | X | | |
| 114 | CI-191 | C14 | Failed: MIT | NS | X | | |
| 115 | CI-192 | C14 | Failed: MIT | NS | X | | |
| 116 | CI-194 | C14 | Failed: MIT | 150 | X | | |
| 117 | CI-195 | C14 | Failed: MIT | NS | | X | |
| 118 | CI-197 | C14 | Failed: MIT | NS | X | | |
| 119 | CI-200 | C14 | Failed: MIT | 150 | X | | |
| 120 | CI-201 | C14 | Failed: MIT | 150 | X | | |
| 121 | CI-202 | C14 | Failed: MIT | 150 | X | | |
| 122 | CI-203 | C14 | Failed: MIT | 60 | | X | |
| 123 | CI-208 | C14 | Failed: MIT | 150 | X | | |
| 124 | CI-210 | C14 | Failed: MIT | 150, 60 | X | | |
| 125 | CI-211 | C14 | Failed: MIT | 60 | X | | |
| 126 | CI-212 | C14 | Failed: MIT | NS | X | | |
| 127 | CI-213 | C14 | Failed: MIT | 140 | X | | |
| 128 | CI-214 | C14 | Failed: MIT | 150, 130, 60 | X | | |
| 129 | CI-215 | C14 | Failed: MIT | 130 | X | | |
| 130 | CI-216 | C14 | Failed: MIT | 150 | X | | |
| 131 | CI-218 | C11 | Failed: MIT | UDI | X | | |
| 132 | CI-220 | C11 | Failed: MIT | NS | X | | |
| 133 | CI-222 | C11 | Failed: MIT | NS | X | | |
| 134 | CI-223 | C11 | Failed: MIT | 140 | X | | |
| 135 | CI-224A | C11 | Failed: MIT | NS | X | | |
| 136 | CI-225 | C11 | Failed: MIT | 150 | X | | |
| 137 | CI-227 | C11 | Failed: MIT | NS | X | | |
| 138 | CI-228 | C11 | Failed: MIT | NS | X | | |
| 139 | CI-229 | C11 | Failed: MIT | NS | | X | |
| 140 | CI-236 | C13 | Failed: MIT | 150 | X | | |
| 141 | CI-237 | C13 | Failed: MIT | 150 | X | | |
| 142 | CI-239 | C13 | Failed: MIT | NS | X | | |
| 143 | CI-240 | C13 | Failed: MIT | 60 | X | | |
| 144 | CI-241 | C13 | Failed: MIT | UD | X | | |
| 145 | CI-243 | C18 | Failed: MIT | 60 | X | | |
| 146 | CI-251 | C16 | Failed: MIT | NS | X | | |

TABLE 1: C Wellfield Wells Repaired or Abandoned

| | Well | HH | Comments | Sand Association* | Abandoned | Repaired | No Further Investigation |
|-----|----------|-----|---------------------------|-------------------|-----------|----------|--------------------------|
| 147 | CI-252 | C16 | Failed: MIT | 150, 120 | X | | |
| 148 | CI-253 | C16 | Failed: MIT | 150 | X | | |
| 149 | CI-254 | C16 | Failed: MIT | 150, 60 | X | | |
| 150 | CI-255 | C16 | Failed: MIT | UD | X | | |
| 151 | CI-258 | C16 | Failed: MIT | NS | X | | |
| 152 | CI-260 | C16 | Failed: MIT | 150 | X | | |
| 153 | CI-261 | C16 | Failed: MIT | 130, 70 | X | | |
| 154 | CI-272 | C18 | Failed: MIT | UD | X | | |
| 155 | CI-273 | C18 | Failed: MIT | 150 | X | | |
| 156 | CI-286 | C18 | Failed: Testing Procedure | NFI | X | | X |
| 157 | CI-290 | C20 | Failed: MIT | 150 | X | | |
| 158 | CI-295 | C20 | Failed: MIT | NS | X | | |
| 159 | CI-305 | C22 | Failed: MIT | 140, 130 | X | | |
| 160 | CI-306 | C22 | Failed: MIT | 100 | X | | |
| 161 | CI-330 | C15 | Failed: MIT | UD | X | | |
| 162 | CI-331 | C15 | Failed: MIT | 150, 80 | X | | |
| 163 | CI-333 | C15 | Failed: MIT | UDI | X | | |
| 164 | CI-335 | C15 | Failed: MIT | UD | X | | |
| 165 | CI-337 | C15 | Failed: MIT | UDI | X | | |
| 166 | CI-362 | C17 | Failed: MIT | UD | X | | |
| 167 | CI-363 | C17 | Failed: MIT | 60 | X | | |
| 168 | CI-364 | C17 | Failed: MIT | UD | X | | |
| 169 | CI-367 | C17 | Failed: MIT | 70 | X | | |
| 170 | CI-369 | C17 | Failed: MIT | UDI | X | | |
| 171 | CI-372 | C17 | Failed: MIT | NS | X | | |
| 172 | CI-390 | C19 | Failed: MIT | 120 | X | | |
| 173 | CI-391 | C19 | Failed: MIT | NS | X | | |
| 174 | CI-393 | C19 | Failed: MIT | UDI | X | | |
| 175 | CI-394 | C19 | Failed: MIT | UD | X | | |
| 176 | CI-396P | C19 | Failed: MIT | UDI | X | | |
| 177 | CI-398 | C19 | Failed: MIT | 110, 90 | X | | |
| 178 | CI-400P | C19 | Failed: MIT | 80 | X | | |
| 179 | CP-002I | C1 | Failed: Testing Procedure | NFI | X | | X |
| 180 | CP-004I | C1 | Failed: MIT | NS | X | | |
| 181 | CP-007I | C1 | Failed: MIT | NS | X | | |
| 182 | CP-009I | C1 | Failed: MIT | 150 | X | | |
| 183 | CP-012I | C2 | Failed: MIT | NS | | X | |
| 184 | CP-016AI | C2 | Failed: Testing Procedure | NFI | | | X |
| 185 | CP-019I | C3 | Failed: MIT | UD (Q3 2011) | | X | |
| 186 | CP-020I | C3 | Failed: Testing Procedure | NFI | | | X |
| 187 | CP-024I | C13 | Failed: MIT | UD (Q2 2011) | X | | |
| 188 | CP-028I | C4 | Failed: MIT | UD | X | | |
| 189 | CP-032I | C4 | Failed: MIT | 80 | X | | |
| 190 | CP-034I | C4 | Failed: MIT | 150, 140 | | X | |
| 191 | CP-035I | C4 | Failed: MIT | 150 | | X | |
| 192 | CP-036AI | C4 | Failed: MIT | 60 | | X | |

TABLE 1: C Wellfield Wells Repaired or Abandoned

| | Well | HH | Comments | Sand Association* | Abandoned | Repaired | No Further Investigation |
|-----|----------|-----|---------------------------|-------------------|-----------|----------|--------------------------|
| 193 | CP-038I | C4 | Failed: MIT | 130 | X | | |
| 194 | CP-040I | C4 | Failed: MIT | NS | X | | |
| 195 | CP-043I | C5 | Failed: MIT | 100 | X | | |
| 196 | CP-044I | C5 | Failed: MIT | 150, 140 | X | | |
| 197 | CP-045I | C5 | Failed: MIT | NS | X | | |
| 198 | CP-047I | C5 | Failed: MIT | 140, 130 | X | | |
| 199 | CP-048I | C5 | Failed: MIT | 80 | X | | |
| 200 | CP-052I | C5 | Failed: MIT | 140, 130 | X | | |
| 201 | CP-056I | C6 | Failed: MIT | 140 | X | | |
| 202 | CP-059I | C6 | Failed: MIT | UD | X | | |
| 203 | CP-067I | C6 | Failed: MIT | NS | X | | |
| 204 | CP-076I | C8 | Passed: MIT | NFI | | | X |
| 205 | CP-078I | C8 | Failed: MIT | 150 | X | | |
| 206 | CP-080I | C8 | Failed: MIT | NS | | X | |
| 207 | CP-083I | C8 | Failed: MIT | 60 | | X | |
| 208 | CP-084 | C8 | Failed: MIT | UDI | X | | |
| 209 | CP-088I | C10 | Failed: MIT | NS | | X | |
| 210 | CP-089I | C10 | Failed: MIT | 150 | X | | |
| 211 | CP-094I | C10 | Failed: MIT | NS | | X | |
| 212 | CP-096I | C12 | Failed: Testing Procedure | NFI | X | | X |
| 213 | CP-099I | C9 | Failed: MIT | 150, 100 | X | | |
| 214 | CP-100I | C9 | Failed: MIT | 150 | | X | |
| 215 | CP-104I | C9 | Failed: MIT | NS | X | | |
| 216 | CP-107 | C14 | Failed: MIT | NS | | X | |
| 217 | CP-109I | C9 | Failed: MIT | NS | | X | |
| 218 | CP-110I | C14 | Failed: MIT | NS | X | | |
| 219 | CP-112 | C14 | Failed: MIT | UD | X | | |
| 220 | CP-116I | C14 | Failed: MIT | NS | X | | |
| 221 | CP-121I | C11 | Failed: MIT | 130 | X | | |
| 222 | CP-122 | C11 | Failed: MIT | UD | X | | |
| 223 | CP-123AI | C11 | Failed: MIT | 150, 140, 130, 70 | X | | |
| 224 | CP-127I | C11 | Failed: MIT | 150, 130 | X | | |
| 225 | CP-128I | C11 | Failed: MIT | NS | X | | |
| 226 | CP-141I | C16 | Failed: MIT | 150 | X | | |
| 227 | CP-146I | C16 | Failed: MIT | 150 | X | | |
| 228 | CP-154I | C12 | Failed: MIT | UDI | X | | |
| 229 | CP-156I | C12 | Failed: MIT | NS | X | | |
| 230 | CP-163I | C20 | Failed: MIT | 150 | X | | |
| 231 | CP-167IP | C22 | Failed: Testing Procedure | NFI | X | | X |
| 232 | CP-173I | C22 | Failed: MIT | 150 | X | | |
| 233 | CP-177I | C24 | Failed: MIT | NS | X | | |
| 234 | CP-198I | C17 | Failed: MIT | 130 | | X | |
| 235 | CP-201I | C17 | Failed: MIT | 150 | X | | |
| 236 | CP-212I | C18 | Failed: MIT | 150 | X | | |

* NS=no sand; NFI=no further investigation; ND=no data; UD=not determined; UDI=not determined after investigation

> Indicates new wells added to list and/or updates to wells previously listed

TABLE 2: E Wellfield Wells Repaired or Abandoned

| | Well | HH | Comments | Sand Association* | Abandoned | Repaired | No Further Investigation |
|----|---------|----|-------------|-------------------|-----------|----------|--------------------------|
| 1 | EI-083 | E7 | Failed: MIT | 150 | X | | |
| 2 | EI-087 | E1 | Failed: MIT | NS | X | | |
| 3 | EI-088 | E1 | Failed: MIT | UD | X | | |
| 4 | EI-099 | E3 | Failed: MIT | NS | X | | |
| 5 | EI-102 | E3 | Failed: MIT | UD | X | | |
| 6 | EI-104 | E3 | Failed: MIT | NS | X | | |
| 7 | EI-106 | E3 | Failed: MIT | 140 | X | | |
| 8 | EI-107 | E3 | Failed: MIT | 140 | X | | |
| 9 | EI-108P | E3 | Failed: MIT | UD | X | | |
| 10 | EI-109 | E3 | Failed: MIT | 140 | X | | |
| 11 | EI-112 | E3 | Failed: MIT | 140, 120 | X | | |
| 12 | EI-113 | E3 | Failed: MIT | 140 | X | | |
| 13 | EI-114 | E3 | Failed: MIT | 140 | X | | |
| 14 | EI-116 | E3 | Failed: MIT | UD | X | | |
| 15 | EI-118 | E3 | Failed: MIT | 150, 140, 120 | X | | |
| 16 | EI-119A | E3 | Failed: MIT | 140 | X | | |
| 17 | EI-126 | E4 | Failed: MIT | 140 | X | | |
| 18 | EI-130 | E4 | Failed: MIT | 150 | X | | |
| 19 | EI-132 | E4 | Failed: MIT | 150 | X | | |
| 20 | EI-133 | E4 | Failed: MIT | 90 | X | | |
| 21 | EI-134 | E4 | Failed: MIT | NS | X | | |
| 22 | EI-135 | E4 | Failed: MIT | 140 | X | | |
| 23 | EI-136 | E4 | Failed: MIT | 150 | X | | |
| 24 | EI-137 | E4 | Failed: MIT | 120 | X | | |
| 25 | EI-138 | E4 | Failed: MIT | UD | X | | |
| 26 | EI-139 | E4 | Failed: MIT | 140 | X | | |
| 27 | EI-140 | E4 | Failed: MIT | 140 | X | | |
| 28 | EI-141 | E4 | Failed: MIT | NS | X | | |
| 29 | EI-142A | E4 | Failed: MIT | UD | X | | |
| 30 | EI-143 | E4 | Failed: MIT | 140 | X | | |
| 31 | EI-144 | E4 | Failed: MIT | UD | X | | |
| 32 | EI-147 | E4 | Failed: MIT | 150, 140 | X | | |
| 33 | EI-150 | E5 | Failed: MIT | 140 | X | | |
| 34 | EI-151 | E5 | Failed: MIT | NS | X | | |
| 35 | EI-155 | E5 | Failed: MIT | NS | X | | |
| 36 | EI-156 | E5 | Failed: MIT | 140 | X | | |
| 37 | EI-157 | E5 | Failed: MIT | 150, 140 | X | | |
| 38 | EI-158 | E5 | Failed: MIT | 150 | X | | |
| 39 | EI-159 | E5 | Failed: MIT | 110 | X | | |
| 40 | EI-160 | E5 | Failed: MIT | 60, 90 | X | | |
| 41 | EI-161 | E5 | Failed: MIT | 140 | X | | |
| 42 | EI-162 | E5 | Failed: MIT | 140 | X | | |
| 43 | EI-163A | E5 | Failed: MIT | 140 | X | | |
| 44 | EI-164 | E5 | Failed: MIT | 140 | X | | |
| 45 | EI-165 | E5 | Failed: MIT | 140 | X | | |
| 46 | EI-166A | E5 | Failed: MIT | NS | X | | |
| 47 | EI-167 | E5 | Failed: MIT | 140 | X | | |
| 48 | EI-170 | E6 | Failed: MIT | NS | X | | |
| 49 | EI-171 | E6 | Failed: MIT | 140 | X | | |
| 50 | EI-172 | E6 | Failed: MIT | 140 | X | | |

TABLE 2: E Wellfield Wells Repaired or Abandoned

| | Well | HH | Comments | Sand Association* | Abandoned | Repaired | No Further Investigation |
|----|---------|----|-------------|-------------------|-----------|----------|--------------------------|
| 51 | EI-173 | E6 | Failed: MIT | 140 | X | | |
| 52 | EI-174 | E6 | Failed: MIT | 140, 120 | X | | |
| 53 | EI-175 | E6 | Failed: MIT | UDI | X | | |
| 54 | EI-176 | E6 | Failed: MIT | NS | X | | |
| 55 | EI-177 | E6 | Failed: MIT | 150 | X | | |
| 56 | EI-178 | E6 | Failed: MIT | NS | X | | |
| 57 | EI-179 | E6 | Failed: MIT | 140, 120 | X | | |
| 58 | EI-180 | E6 | Failed: MIT | 120 | X | | |
| 59 | EI-181 | E6 | Failed: MIT | 140, 120 | X | | |
| 60 | EI-182 | E6 | Failed: MIT | 140, 120 | X | | |
| 61 | EI-183 | E6 | Failed: MIT | 140, 120 | X | | |
| 62 | EI-184 | E6 | Failed: MIT | 140, 120 | X | | |
| 63 | EI-185P | E6 | Failed: MIT | 140 | X | | |
| 64 | EI-186 | E6 | Failed: MIT | 140 | X | | |
| 65 | EI-187 | E6 | Failed: MIT | NS | X | | |
| 66 | EI-190 | E7 | Failed: MIT | 140 | X | | |
| 67 | EI-191 | E7 | Failed: MIT | 140 | X | | |
| 68 | EI-193P | E7 | Failed: MIT | 150, 140 | X | | |
| 69 | EI-194 | E7 | Failed: MIT | 140 | X | | |
| 70 | EI-195P | E7 | Failed: MIT | 150, 140 | X | | |
| 71 | EI-196 | E7 | Failed: MIT | 140 | X | | |
| 72 | EI-197 | E7 | Failed: MIT | 140 | X | | |
| 73 | EI-198A | E7 | Failed: MIT | 150, 140, 70 | X | | |
| 74 | EI-199 | E7 | Failed: MIT | 140, 120, 70 | X | | |
| 75 | EI-200 | E7 | Failed: MIT | 140, 70 | X | | |
| 76 | EI-201 | E7 | Failed: MIT | NS | X | | |
| 77 | EI-202 | E7 | Failed: MIT | 140 | X | | |
| 78 | EI-203 | E7 | Failed: MIT | 150 | X | X | |
| 79 | EI-204 | E7 | Failed: MIT | 150, 140, 120, 70 | X | | |
| 80 | EI-205 | E7 | Failed: MIT | 140 | X | | |
| 81 | EI-206 | E7 | Failed: MIT | 140 | X | | |
| 82 | EI-207 | E7 | Failed: MIT | 150, 140, 120, 70 | X | | |
| 83 | EI-208 | E7 | Failed: MIT | 140 | X | | |
| 84 | EI-210 | E7 | Failed: MIT | 140, 120, 70 | X | | |
| 85 | EI-211 | E8 | Failed: MIT | 150 | X | | |
| 86 | EI-212 | E8 | Failed: MIT | 140 | X | | |
| 87 | EI-215A | E8 | Failed: MIT | NS | X | | |
| 88 | EI-217 | E8 | Failed: MIT | 140, 120 | X | | |
| 89 | EI-218 | E8 | Failed: MIT | 120 | X | | |
| 90 | EI-219 | E8 | Failed: MIT | 140, 120 | X | | |
| 91 | EI-220P | E8 | Failed: MIT | 150 | X | | |
| 92 | EI-221 | E8 | Failed: MIT | 140 | X | | |
| 93 | EI-222 | E8 | Failed: MIT | NS | X | | |
| 94 | EI-224 | E8 | Failed: MIT | 150, 140 | X | | |
| 95 | EI-225P | E8 | Failed: MIT | 140, 120 | X | | |
| 96 | EI-226 | E8 | Failed: MIT | NS | X | | |
| 97 | EI-228 | E8 | Failed: MIT | NS | X | | |
| 98 | EI-229A | E8 | Failed: MIT | 150, 140, 70 | X | | |
| 99 | EI-230 | E8 | Failed: MIT | NS | X | | |

TABLE 2: E Wellfield Wells Repaired or Abandoned

| | | Well | HH | Comments | Sand Association* | Abandoned | Repaired | No Further Investigation |
|-----|--|---------|-----|-------------|--------------------|-----------|----------|--------------------------|
| 100 | | EI-231 | E8 | Failed: MIT | 110 | X | | |
| 101 | | EI-232 | E8 | Failed: MIT | 150 | X | | |
| 102 | | EI-233 | E8 | Failed: MIT | 150 | X | | |
| 103 | | EI-235 | E9 | Failed: MIT | UD | X | | |
| 104 | | EI-236 | E9 | Failed: MIT | UD | X | | |
| 105 | | EI-237 | E9 | Failed: MIT | NS | X | | |
| 106 | | EI-238 | E9 | Failed: MIT | NS | X | | |
| 107 | | EI-239 | E9 | Failed: MIT | 140 | | X | |
| 108 | | EI-240 | E9 | Failed: MIT | 150, 140 | X | | |
| 109 | | EI-241A | E9 | Failed: MIT | 140 | X | | |
| 110 | | EI-242 | E9 | Failed: MIT | 100, 150 | X | | |
| 111 | | EI-243 | E9 | Failed: MIT | NS | X | | |
| 112 | | EI-244 | E9 | Failed: MIT | 150 | X | | |
| 113 | | EI-245 | E9 | Failed: MIT | UDI | X | | |
| 114 | | EI-246 | E9 | Failed: MIT | NS | X | | |
| 115 | | EI-247 | E9 | Failed: MIT | NS | X | | |
| 116 | | EI-248 | E9 | Failed: MIT | NS | X | | |
| 117 | | EI-249 | E9 | Failed: MIT | 140 | X | | |
| 118 | | EI-250 | E9 | Failed: MIT | 140 | X | | |
| 119 | | EI-251 | E9 | Failed: MIT | 140 | X | | |
| 120 | | EI-252 | E9 | Failed: MIT | NS | X | | |
| 121 | | EI-253 | E9 | Failed: MIT | 140 | X | | |
| 122 | | EI-257 | E9 | Failed: MIT | NS | X | | |
| 123 | | EI-258P | E9 | Failed: MIT | NS | X | | |
| 124 | | EI-259 | E9 | Failed: MIT | 50 | X | | |
| 125 | | EI-260 | E10 | Failed: MIT | UD | X | | |
| 126 | | EI-261 | E10 | Failed: MIT | 140 | X | | |
| 127 | | EI-262 | E10 | Failed: MIT | 140 | X | | |
| 128 | | EI-265 | E10 | Failed: MIT | UDI | X | | |
| 129 | | EI-267 | E10 | Failed: MIT | 150 | X | | |
| 130 | | EI-268 | E10 | Failed: MIT | 150, 140, 120 | X | | |
| 131 | | EI-269 | E10 | Failed: MIT | 140 | X | | |
| 132 | | EI-271 | E10 | Failed: MIT | NS | X | | |
| 133 | | EI-273 | E10 | Failed: MIT | 140, 110 | X | | |
| 134 | | EI-274 | E10 | Failed: MIT | NS | X | | |
| 135 | | EI-275 | E10 | Failed: MIT | 140, 110 | X | | |
| 136 | | EI-276 | E10 | Failed: MIT | 110 | X | | |
| 137 | | EI-277 | E10 | Failed: MIT | 150, 140 | X | | |
| 138 | | EI-278 | E10 | Failed: MIT | 140 | X | | |
| 139 | | EI-279 | E10 | Failed: MIT | UDI | X | | |
| 140 | | EI-280 | E10 | Failed: MIT | 140, 120, 110, 100 | X | | |
| 141 | | EI-283 | E10 | Failed: MIT | 140, 70 | X | | |
| 142 | | EI-287 | E12 | Failed: MIT | 140 | X | | |
| 143 | | EI-290 | E12 | Failed: MIT | UDI | X | | |
| 144 | | EI-310 | E14 | Failed: MIT | 120 | X | | |
| 145 | | EI-311 | E14 | Failed: MIT | UD | X | | |
| 146 | | EI-314 | E14 | Failed: MIT | 130 | X | | |
| 147 | | EI-315 | E14 | Failed: MIT | 150 | X | | |
| 148 | | EI-316 | E14 | Failed: MIT | | X | | |

TABLE 2: E Wellfield Wells Repaired or Abandoned

| | Well | HH | Comments | Sand Association* | Abandoned | Repaired | No Further Investigation |
|-----|---------|-----|---------------------------|-------------------|-----------|----------|--------------------------|
| 149 | EI-317 | E14 | Failed: MIT | UD | | X | |
| 150 | EI-319 | E14 | Failed: MIT | UD | X | | |
| 151 | EI-320 | E14 | Failed: Testing Procedure | NFI | | X | X |
| 152 | EI-321 | E14 | Failed: MIT | 140 | X | | |
| 153 | EI-323 | E14 | Failed: MIT | 130 | X | | |
| 154 | EI-325 | E14 | Failed: MIT | NS | X | | |
| 155 | EI-327 | E14 | Failed: MIT | NS | X | | |
| 156 | EI-331 | E14 | Failed: MIT | 150 | X | | |
| 157 | EI-333 | E14 | Failed: MIT | NS | X | | |
| 158 | EI-334 | E14 | Failed: MIT | 140 | X | | |
| 159 | EI-337 | E16 | Failed: MIT | NS | X | | |
| 160 | EI-338 | E16 | Failed: MIT | 140 | X | | |
| 161 | EI-339 | E16 | Failed: MIT | 140 | X | | |
| 162 | EI-340 | E16 | Failed: MIT | 150, 140 | X | | |
| 163 | EI-341 | E16 | Failed: MIT | 140 | X | | |
| 164 | EI-342 | E16 | Failed: MIT | UD | X | | |
| 165 | EI-343 | E16 | Failed: MIT | NS | X | | |
| 166 | EI-344 | E16 | Failed: MIT | 140 | X | | |
| 167 | EI-345 | E16 | Failed: MIT | NS | X | | |
| 168 | EI-346 | E16 | Failed: MIT | UDI | X | | |
| 169 | EI-348 | E16 | Failed: MIT | 140 | X | | |
| 170 | EI-350 | E16 | Failed: MIT | 100, 110, 150 | X | | |
| 171 | EI-351 | E16 | Failed: MIT | 140 | X | | |
| 172 | EI-352 | E16 | Passed:MIT | NFI | | | X |
| 173 | EI-353A | E16 | Failed: MIT | 150 | X | | |
| 174 | EI-354 | E16 | Failed: MIT | NS | X | | |
| 175 | EI-355 | E16 | Failed: MIT | 140 | X | | |
| 176 | EI-356 | E16 | Failed: MIT | 140 | X | | |
| 177 | EI-357 | E18 | Failed: MIT | 150 | X | | |
| 178 | EI-358 | E18 | Failed: MIT | 140 | X | | |
| 179 | EI-361 | E18 | Failed: MIT | 150 | X | | |
| 180 | EI-362 | E18 | Failed: MIT | 150 | X | | |
| 181 | EI-363 | E18 | Failed: MIT | 150 | X | | |
| 182 | EI-364 | E18 | Failed: MIT | 140 | X | | |
| 183 | EI-365 | E18 | Failed: MIT | 140 | X | | |
| 184 | EI-367 | E18 | Failed: MIT | 150 | X | | |
| 185 | EI-368 | E18 | Failed: MIT | 140 | X | | |
| 186 | EI-369 | E18 | Failed: MIT | NS | X | | |
| 187 | EI-370 | E18 | Failed: MIT | NS | X | | |
| 188 | EI-371 | E18 | Failed: MIT | UD | X | | |
| 189 | EI-372 | E17 | Failed: MIT | 140 | X | | |
| 190 | EI-373 | E18 | Failed: MIT | 100, 140 | X | | |
| 191 | EI-374 | E18 | Failed: MIT | NS | X | | |
| 192 | EI-375 | E18 | Failed: MIT | UDI | X | | |
| 193 | EI-376 | E18 | Failed: MIT | NS | X | | |
| 194 | EI-379 | E18 | Failed: MIT | 130 | X | | |
| 195 | EI-381 | E18 | Failed: MIT | NS | X | | |
| 196 | EI-385 | E15 | Failed: MIT | NS,UD | X | | |
| 197 | EI-386 | E15 | Failed: MIT | 120 | X | | |

TABLE 2: E Wellfield Wells Repaired or Abandoned

| | | Well | HH | Comments | Sand Association* | Abandoned | Repaired | No Further Investigation |
|-----|--|---------|-----|----------------|-------------------|-----------|----------|--------------------------|
| 198 | | EI-390 | E15 | Failed: MIT | NS | X | | |
| 199 | | EI-391A | E15 | Failed: MIT | 150 | X | | |
| 200 | | EI-393 | E17 | Failed: MIT | NS | X | | |
| 201 | | EI-394 | E17 | Failed: MIT | 100 | X | | |
| 202 | | EI-395 | E17 | Failed: MIT | 140 | X | | |
| 203 | | EI-396 | E17 | Failed: MIT | 150 | X | | |
| 204 | | EI-397A | E17 | Failed: MIT | 130 | X | | |
| 205 | | EI-398 | E17 | Failed: MIT | UD | X | | |
| 206 | | EI-399 | E17 | Failed: Camera | 180 | X | | |
| 207 | | EI-401 | E17 | Failed: MIT | UDI | X | | |
| 208 | | EI-411 | E13 | Failed: MIT | NS | X | | |
| 209 | | EI-412 | E13 | Failed: MIT | NS | X | | |
| 210 | | EI-414P | E13 | Failed: MIT | NS | | X | |
| 211 | | EI-417 | E13 | Failed: MIT | UDI | X | | |
| 212 | | EI-418 | E13 | Failed: MIT | UDI | X | | |
| 213 | | EI-419 | E13 | Failed: MIT | 130, 60 | X | | |
| 214 | | EI-420 | E13 | Failed: MIT | NS | X | | |
| 215 | | EI-421 | E13 | Failed: MIT | 150 | X | | |
| 216 | | EI-422 | E13 | Failed: MIT | NS | X | | |
| 217 | | EI-423 | E13 | Failed: MIT | UDI | X | | |
| 218 | | EI-424 | E13 | Failed: MIT | 60 | X | | |
| 219 | | EI-426 | E13 | Failed: MIT | UDI | X | | |
| 220 | | EI-427 | E13 | Failed: MIT | 140, 160 | X | | |
| 221 | | EI-428 | E13 | Failed: MIT | UD | X | | |
| 222 | | EI-438A | E10 | Failed: MIT | NS | X | | |
| 223 | | EI-439 | E10 | Failed: MIT | UDI | X | | |
| 224 | | EI-440 | E10 | Failed: MIT | 140 | X | | |
| 225 | | EI-441 | E10 | Failed: MIT | UDI | X | | |
| 226 | | EI-442 | E10 | Failed: MIT | UD | X | | |
| 227 | | EP-009I | E1 | Passed:MIT | UD | X | | |
| 228 | | EP-011I | E1 | Failed: MIT | 120, 130 | X | | |
| 229 | | EP-015I | E1 | Failed: MIT | UD | X | | |
| 230 | | EP-019I | E3 | Failed: MIT | 80 | X | | |
| 231 | | EP-022I | E3 | Failed: MIT | NS | X | | |
| 232 | | EP-024I | E3 | Failed: MIT | 150, 140 | X | | |
| 233 | | EP-027I | E3 | Failed: MIT | UDI | X | | |
| 234 | | EP-029I | E3 | Failed: MIT | NS | X | | |
| 235 | | EP-037I | E4 | Failed: MIT | 140 | X | | |
| 236 | | EP-039I | E4 | Failed: MIT | 150, 140 | X | | |
| 237 | | EP-041I | E4 | Failed: MIT | NS | X | | |
| 238 | | EP-043I | E4 | Failed: MIT | 140 | X | | |
| 239 | | EP-044I | E4 | Failed: MIT | 140 | X | | |
| 240 | | EP-050I | E5 | Failed: MIT | UDI | X | | |
| 241 | | EP-053I | E5 | Failed: MIT | NS | X | | |
| 242 | | EP-054I | E5 | Failed: MIT | 140 | X | | |
| 243 | | EP-056I | E5 | Failed: MIT | 150 | X | | |
| 244 | | EP-058I | E5 | Failed: MIT | NS | X | | |
| 245 | | EP-066I | E6 | Failed: MIT | NS | X | | |
| 246 | | EP-067I | E6 | Failed: MIT | 150 | X | | |

TABLE 2: E Wellfield Wells Repaired or Abandoned

| | | Well | HH | Comments | Sand Association* | Abandoned | Repaired | No Further Investigation |
|-----|--|---------|-----|----------------------------|------------------------|-----------|----------|--------------------------|
| 247 | | EP-068I | E6 | Failed: MIT | NS | X | | |
| 248 | | EP-070I | E6 | Failed: MIT | 140 | X | | |
| 249 | | EP-072I | E6 | Failed: MIT | 150, 140 | X | | |
| 250 | | EP-073I | E6 | Failed: MIT | 60 | X | | |
| 251 | | EP-075I | E6 | Failed: MIT | 150, 140, 120 | X | | |
| 252 | | EP-081I | E7 | Failed: MIT | 150, 140 120 | X | | |
| 253 | | EP-082I | E7 | Failed: MIT | 150, 140 | X | | |
| 254 | | EP-085I | E7 | Failed: MIT | 140 | X | | |
| 255 | | EP-086I | E7 | Failed: MIT | 150, 140 | X | | |
| 256 | | EP-087I | E7 | Failed: MIT | UD | | X | |
| 257 | | EP-093I | E8 | Failed: Wet Ground Surface | UD | X | | |
| 258 | | EP-094I | E8 | Failed: MIT | NS | X | | |
| 259 | | EP-097I | E8 | Failed: MIT | 140, 120 | X | | |
| 260 | | EP-099I | E8 | Failed: MIT | NS | X | | |
| 261 | | EP-100I | E8 | Failed: MIT | 150, 140, 120, 70 | X | | |
| 262 | | EP-103I | E8 | Failed: MIT | NS | X | | |
| 263 | | EP-105I | E9 | Failed: MIT | NS | X | | |
| 264 | | EP-107I | E9 | Failed: MIT | 140 | X | | |
| 265 | | EP-109I | E9 | Failed: MIT | 140, 70 | X | | |
| 266 | | EP-110I | E9 | Failed: MIT | 140 | X | | |
| 267 | | EP-114I | E9 | Failed: MIT | UD | X | | |
| 268 | | EP-120I | E10 | Failed: MIT | 140 | X | | |
| 269 | | EP-121I | E10 | Failed: MIT | UDI | X | | |
| 270 | | EP-124I | E10 | Failed: MIT | UD | X | | |
| 271 | | EP-125I | E10 | Failed: MIT | 120 | X | | |
| 272 | | EP-149I | E14 | Failed: Wet Ground Surface | 150 | X | | |
| 273 | | EP-152I | E16 | Failed: MIT | 150 | X | | |
| 274 | | EP-155I | E16 | Failed: MIT | UD | X | | |
| 275 | | EP-158I | E16 | Failed: MIT | NS | X | | |
| 276 | | EP-166I | E18 | Failed: MIT | NS | X | | |
| 277 | | EP-169I | E18 | Failed: MIT | 50, 100, 130, 140, 150 | X | | |
| 278 | | EP-178I | E15 | Failed: MIT | 150 | X | | |
| 279 | | EP-181I | E17 | Failed: MIT | UDI | X | | |
| 280 | | EP-182I | E17 | Failed: MIT | UDI | X | | |
| 281 | | EP-183I | E17 | Failed: MIT | 140 | X | | |
| 282 | | EP-191I | E13 | Failed: MIT | NS | X | | |

* NS=no sand; NFI=no further investigation; ND=no data; UD=not determined; UDI=not determined after investigation

> Indicates new wells added to list and/or updates to wells previously listed

TABLE 3: F Wellfield Wells Repaired or Abandoned

| | | Well | HH | Comments | Sand Association* | Abandoned | Repaired | No Further Investigation |
|----|--|----------|----|---------------------------------|-------------------|-----------|----------|--------------------------|
| 1 | | FI-0015 | F1 | Failed: MIT | 140, 130, 110 | X | | |
| 2 | | FI-0016 | F1 | Failed: MIT | NS | | X | |
| 3 | | FI-0017 | F1 | Failed: MIT | 140 | X | | |
| 4 | | FI-0024 | F1 | Failed: Testing Procedure | NFI | | | X |
| 5 | | FI-0027 | F1 | Failed: MIT | 140, 130 | X | | |
| 6 | | FI-0030 | F1 | Failed: MIT | NS | X | | |
| 7 | | FI-0032 | F2 | Failed: MIT | NS | X | | |
| 8 | | FI-0033 | F2 | Passed:MIT | NFI | | | X |
| 9 | | FI-0034 | F2 | Failed: MIT | NS | X | | |
| 10 | | FI-0035 | F2 | Failed: MIT | 130 | X | | |
| 11 | | FI-0036 | F2 | Failed: MIT | NS | X | | |
| 12 | | FI-0038 | F2 | Failed: MIT | 140 | X | | |
| 13 | | FI-0040A | F2 | Failed: MIT | NS | X | | |
| 14 | | FI-0041 | F2 | Failed: MIT | NS | X | | |
| 15 | | FI-0043 | F2 | Failed: MIT | 140, 130 | X | | |
| 16 | | FI-0045A | F2 | Failed: MIT | 140, 80 | X | | |
| 17 | | FI-0046 | F2 | Passed:MIT | NS | | X | |
| 18 | | FI-0047 | F1 | Failed: MIT | 80, 70, 60, 50 | X | | |
| 19 | | FI-0048 | F2 | Failed: MIT | 140 | X | | |
| 20 | | FI-0055 | F3 | Failed: MIT | UDI | X | | |
| 21 | | FI-0058 | F3 | Failed: MIT | UDI | X | | |
| 22 | | FI-0063 | F3 | Failed: MIT | 140, 130 | X | | |
| 23 | | FI-0065 | F3 | Failed: Geophysical Log Anomaly | 140, 130 | X | | |
| 24 | | FI-0066 | F3 | Failed: MIT | NS | X | | |
| 25 | | FI-0067 | F3 | Failed: Geophysical Log Anomaly | 140 | X | | |
| 26 | | FI-0070 | F3 | Failed: MIT | NS | X | | |
| 27 | | FI-0072 | F3 | Failed: MIT | 80 | X | | |
| 28 | | FI-0074 | F3 | Failed: MIT | UD | X | | |
| 29 | | FI-0081 | F4 | Failed: MIT | UD | X | | |
| 30 | | FI-0082 | F4 | Failed: MIT | 150 | X | | |
| 31 | | FI-0086 | F4 | Failed: MIT | 150 | X | | |
| 32 | | FI-0087P | F4 | Failed: MIT | UD | X | | |
| 33 | | FI-0090 | F4 | Failed: MIT | 150 | X | | |
| 34 | | FI-0091P | F4 | Failed: MIT | 150, 140 | X | | |
| 35 | | FI-0093A | F4 | Failed: MIT | 150 | X | | |
| 36 | | FI-0094 | F4 | Failed: MIT | NS | X | | |
| 37 | | FI-0095 | F4 | Failed: MIT | 140 | X | | |
| 38 | | FI-0105 | F5 | Failed: Testing Procedure | NFI | | | X |
| 39 | | FI-0113A | F5 | Failed: MIT | UD | X | | |
| 40 | | FI-0115 | F5 | Failed: Camera | NS | | X | |
| 41 | | FI-0116A | F5 | Failed: MIT | UDI | X | | |
| 42 | | FI-0126 | F5 | Failed: MIT | UDI | X | | |
| 43 | | FI-0128 | F5 | Failed: MIT | 140 | X | | |
| 44 | | FI-0131 | F6 | Failed: MIT | 140, 130 | X | | |
| 45 | | FI-0132A | F6 | Failed: MIT | 160, 140 | X | | |
| 46 | | FI-0134 | F6 | Failed: MIT | 140, 130 | X | | |

TABLE 3: F Wellfield Wells Repaired or Abandoned

| | | Well | HH | Comments | Sand Association* | Abandoned | Repaired | No Further Investigation |
|----|---|----------|-----|----------------|-------------------|-----------|----------|--------------------------|
| 47 | | FI-0135 | F6 | Failed: MIT | UDI | X | | |
| 48 | > | FI-0137 | F6 | Failed: MIT | | X | | |
| 49 | | FI-0138 | F6 | Failed: MIT | 90 | X | | |
| 50 | | FI-0150 | F6 | Failed: MIT | 90 | X | | |
| 51 | | FI-0155 | F6 | Failed: MIT | UDI | X | | |
| 52 | | FI-0156 | F6 | Failed: MIT | NS | X | | |
| 53 | | FI-0157 | F6 | Failed: MIT | 60 | X | | |
| 54 | | FI-0158 | F6 | Failed: MIT | NS | X | | |
| 55 | | FI-0159 | F6 | Failed: MIT | UD | X | | |
| 56 | | FI-0163 | F6 | Failed: MIT | 140 | X | | |
| 57 | | FI-0170 | F7 | Failed: MIT | 90, 60 | X | | |
| 58 | | FI-0171 | F7 | Failed: MIT | 140 | X | | |
| 59 | | FI-0172 | F7 | Failed: MIT | 140, 90 | X | | |
| 60 | | FI-0173 | F7 | Failed: MIT | UDI | X | | |
| 61 | | FI-0175 | F7 | Failed: MIT | 140/130 | X | | |
| 62 | | FI-0176 | F7 | Failed: MIT | | X | | |
| 63 | | FI-0182 | F7 | Failed: MIT | UD | X | | |
| 64 | | FI-0183 | F7 | Failed: MIT | 160, 140, 90, 60 | X | | |
| 65 | | FI-0184 | F7 | Failed: MIT | UD | X | | |
| 66 | | FI-0185 | F7 | Failed: MIT | UD | X | | |
| 67 | | FI-0186 | F7 | Failed: MIT | NS; UD | X | | |
| 68 | | FI-0191 | F7 | Failed: MIT | UD | X | | |
| 69 | | FI-0194 | F7 | Failed: MIT | NS | X | | |
| 70 | | FI-0195 | F7 | Failed: MIT | UD | X | | |
| 71 | | FI-0208 | F8 | Failed: MIT | 70 | X | | |
| 72 | | FI-0210 | F8 | Failed: MIT | NS | X | | |
| 73 | | FI-0219 | F8 | Failed: MIT | UD | X | | |
| 74 | | FI-0228 | F8 | Failed: MIT | 160 | X | | |
| 75 | | FI-0237 | F8 | Failed: MIT | UD | X | | |
| 76 | | FI-0246 | F9 | Failed: MIT | NS | X | | |
| 77 | | FI-0257 | F9 | Failed: MIT | UD | X | | |
| 78 | | FI-0262 | F9 | Passed: MIT | NFI | | | X |
| 79 | | FI-0346 | F12 | Failed: MIT | NS | X | | |
| 80 | | FI-0350 | F12 | Failed: MIT | 140, 130 | X | | |
| 81 | | FI-0351P | F12 | Failed: MIT | 70 | X | | |
| 82 | | FI-0352 | F12 | Failed: MIT | NS | X | | |
| 83 | | FI-0353 | F12 | Failed: MIT | NS; UD | X | | |
| 84 | | FI-0355 | F12 | Failed: MIT | 110 | X | | |
| 85 | | FI-0356 | F12 | Failed: MIT | NS | X | | |
| 86 | | FI-0359P | F12 | Failed: MIT | UDI | X | | |
| 87 | | FI-0360 | F12 | Failed: MIT | 140, 130 | X | | |
| 88 | | FI-0361 | F12 | Failed: MIT | 140, 130 | X | | |
| 89 | | FI-0362 | F12 | Failed: MIT | 140 | X | | |
| 90 | | FI-0363 | F12 | Failed: Camera | 100 | | X | |
| 91 | | FI-0366 | F12 | Failed: MIT | UDI | X | | |
| 92 | | FI-0368 | F12 | Failed: MIT | 140 | X | | |
| 93 | | FI-0369 | F12 | Failed: MIT | 70 | X | | |
| 94 | | FI-0372P | F12 | Failed: MIT | NS | X | | |
| 95 | | FI-0373P | F12 | Failed: MIT | 140 | X | | |
| 96 | | FI-0374 | F12 | Failed: MIT | 140, 120 | X | | |

TABLE 3: F Wellfield Wells Repaired or Abandoned

| | | Well | HH | Comments | Sand Association* | Abandoned | Repaired | No Further Investigation |
|-----|--|-----------|-----|---------------------------|-------------------|-----------|----------|--------------------------|
| 97 | | FI-0394P | F13 | Failed: MIT | 160 | X | | |
| 98 | | FI-0397 | F13 | Passed:MIT | NFI | | | X |
| 99 | | FI-0400 | F13 | Failed: MIT | 160 | X | | |
| 100 | | FI-0403 | F13 | Failed: MIT | UD | | X | |
| 101 | | FI-0408 | F13 | Failed: MIT | NS | X | | |
| 102 | | FI-0421 | F14 | Failed: MIT | NS | X | | |
| 103 | | FI-0427 | F14 | Failed: MIT | NS | | X | |
| 104 | | FI-0429 | F14 | Failed: MIT | 140, 130 | X | | |
| 105 | | FI-0431P | F14 | Failed: MIT | NS | | X | |
| 106 | | FI-0435 | F14 | Failed: MIT | UD | X | | |
| 107 | | FI-0438 | F14 | Failed: MIT | NS | X | | |
| 108 | | FI-0447 | F15 | Failed: MIT | NS | | X | |
| 109 | | FI-0483 | F16 | Failed: MIT | 160, 150 | X | | |
| 110 | | FI-0484P | F16 | Failed: MIT | NS | X | | |
| 111 | | FI-0526P | F18 | Failed: MIT | 130 | X | | |
| 112 | | FI-0544P | F18 | Failed: Testing Procedure | NS | X | | |
| 113 | | FI-0545 | F18 | Failed: MIT | UDI | X | | |
| 114 | | FI-0547 | F18 | Failed: MIT | NS | X | | |
| 115 | | FI-0565 | F19 | Failed: MIT | 160 | X | | |
| 116 | | FI-0566 | F19 | Failed: MIT | UD | X | | |
| 117 | | FI-0568 | F19 | Failed: MIT | 160 | X | | |
| 118 | | FI-0573P | F19 | Failed: MIT | 60 | X | | |
| 119 | | FI-0576 | F19 | Passed:MIT | NFI | | | X |
| 120 | | FI-0578 | F19 | Failed: MIT | 160 | X | | |
| 121 | | FI-0579P | F19 | Failed: MIT | UD | X | | |
| 122 | | FI-0582P | F19 | Failed: MIT | UD | X | | |
| 123 | | FI-0584 | F19 | Failed: MIT | 160 | X | | |
| 124 | | FI-0585AP | F19 | Failed: MIT | 160 | X | | |
| 125 | | FI-0587P | F19 | Failed: MIT | 160 | X | | |
| 126 | | FI-0589 | F19 | Failed: MIT | UD | X | | |
| 127 | | FI-0591 | F20 | Failed: MIT | 160, 70 | X | | |
| 128 | | FI-0601 | F20 | Failed: MIT | UD | X | | |
| 129 | | FI-0604P | F20 | Failed: MIT | 160 | X | | |
| 130 | | FI-0607A | F20 | Failed: MIT | NS | X | | |
| 131 | | FI-0608 | F20 | Failed: MIT | 160, 130, 140 | X | | |
| 132 | | FI-0609 | F20 | Failed: MIT | UD | X | | |
| 133 | | FI-0610 | F20 | Failed: MIT | 160 | X | | |
| 134 | | FI-0611 | F20 | Failed: MIT | UDI | X | | |
| 135 | | FI-0612 | F20 | Failed: MIT | 160 | X | | |
| 136 | | FI-0613 | F20 | Failed: MIT | 160 | X | | |
| 137 | | FI-0614 | F20 | Failed: MIT | 160 | X | | |
| 138 | | FI-0620P | F21 | Failed: MIT | NS | X | | |
| 139 | | FI-0621 | F21 | Failed: MIT | 160 | X | | |
| 140 | | FI-0622 | F21 | Failed: MIT | UD | X | | |
| 141 | | FI-0625 | F21 | Failed: MIT | NS | X | | |
| 142 | | FI-0627A | F21 | Failed: MIT | NS | X | | |
| 143 | | FI-0628 | F21 | Failed: MIT | NS | X | | |
| 144 | | FI-0629 | F21 | Failed: MIT | NS | X | | |
| 145 | | FI-0630 | F21 | Failed: MIT | 160 | X | | |

TABLE 3: F Wellfield Wells Repaired or Abandoned

| | | Well | HH | Comments | Sand Association* | Abandoned | Repaired | No Further Investigation |
|-----|--|----------|-----|---------------------------|-------------------|-----------|----------|--------------------------|
| 146 | | FI-0632 | F21 | Failed: MIT | 90 | X | | |
| 147 | | FI-0633 | F21 | Failed: MIT | NS | X | | |
| 148 | | FI-0635P | F21 | Failed: MIT | NS | X | | |
| 149 | | FI-0637 | F21 | Failed: MIT | 160 | X | | |
| 150 | | FI-0638 | F21 | Failed: MIT | NS | X | | |
| 151 | | FI-0639 | F21 | Failed: MIT | NS | X | | |
| 152 | | FI-0654 | F23 | Failed: Testing Procedure | NFI | | | X |
| 153 | | FI-0666 | F22 | Failed: Testing Procedure | NFI | | X | X |
| 154 | | FI-0667 | F22 | Failed: Testing Procedure | NFI | | | X |
| 155 | | FI-0671 | F22 | Failed: MIT | UDI | | | |
| 156 | | FI-0672 | F22 | Failed: MIT | UD | X | | |
| 157 | | FI-0674 | F23 | Failed: MIT | UDI | X | | |
| 158 | | FI-0676 | F25 | Failed: MIT | UDI | X | | |
| 159 | | FI-0677 | F25 | Failed: MIT | NS | X | | |
| 160 | | FI-0678 | F25 | Failed: MIT | 140/130 | X | | |
| 161 | | FI-0679 | F25 | Failed: MIT | UDI | X | | |
| 162 | | FI-0680P | F25 | Failed: MIT | 160, 140/130 | X | | |
| 163 | | FI-0681 | F25 | Failed: MIT | NS | X | | |
| 164 | | FI-0687 | F25 | Failed: MIT | 90 | X | | |
| 165 | | FI-0688 | F25 | Failed: MIT | 160 | X | | |
| 166 | | FI-0689 | F25 | Failed: MIT | 50 | X | | |
| 167 | | FI-0690 | F24 | Failed: MIT | 50, 120 | X | | |
| 168 | | FI-0692 | F25 | Failed: MIT | UD | X | | |
| 169 | | FI-0693 | F25 | Failed: MIT | NS | X | | |
| 170 | | FI-0694A | F25 | Failed: Camera | NS | X | | |
| 171 | | FI-0695 | F25 | Failed: MIT | UDI | X | | |
| 172 | | FI-0700 | F25 | Failed: MIT | UDI | X | | |
| 173 | | FI-0701 | F24 | Failed: MIT | UDI | X | | |
| 174 | | FI-0702 | F24 | Failed: MIT | NS | X | | |
| 175 | | FI-0703 | F25 | Failed: MIT | 90 | X | | |
| 176 | | FI-0704 | F24 | Failed: MIT | NS | X | | |
| 177 | | FI-0704A | F24 | Failed: MIT | 70 | X | | |
| 178 | | FI-0705 | F24 | Failed: MIT | NS | X | | |
| 179 | | FI-0707 | F24 | Failed: MIT | UDI | X | | |
| 180 | | FI-0715 | F24 | Failed: MIT | UD | X | | |
| 181 | | FI-0761 | F26 | Failed: MIT | 90 | X | | |
| 182 | | FI-0762 | F26 | Failed: MIT | UD | X | | |
| 183 | | FI-0763A | F26 | Failed: MIT | NS | X | | |
| 184 | | FI-0765P | F26 | Failed: MIT | UD | X | | |
| 185 | | FI-0766 | F26 | Failed: MIT | 160, 90 | X | | |
| 186 | | FI-0767 | F26 | Failed: MIT | 160, 140/130 | X | | |
| 187 | | FI-0768 | F26 | Failed: MIT | NS | X | | |
| 188 | | FI-0769P | F26 | Failed: MIT | 140/130 | X | | |
| 189 | | FI-0771A | F27 | Failed: MIT | NS | X | | |
| 190 | | FI-0772 | F26 | Failed: MIT | NS | X | | |
| 191 | | FI-0773 | F26 | Failed: MIT | UDI | X | | |
| 192 | | FI-0774 | F26 | Failed: MIT | UDI | X | | |

TABLE 3: F Wellfield Wells Repaired or Abandoned

| | | Well | HH | Comments | Sand Association* | Abandoned | Repaired | No Further Investigation |
|-----|--|----------|-----|-------------|-------------------|-----------|----------|--------------------------|
| 193 | | FI-0775 | F27 | Failed: MIT | NS | X | | |
| 194 | | FI-0776 | F26 | Failed: MIT | NS | X | | |
| 195 | | FI-0778 | F26 | Failed: MIT | 120 | X | | |
| 196 | | FI-0779 | F26 | Failed: MIT | 160 | X | | |
| 197 | | FI-0780 | F26 | Failed: MIT | 140/130 | X | | |
| 198 | | FI-0790 | F29 | Failed: MIT | UDI | X | | |
| 199 | | FI-0791 | F29 | Failed: MIT | 140 | X | | |
| 200 | | FI-0792 | F29 | Failed: MIT | NS | X | | |
| 201 | | FI-0793 | F28 | Failed: MIT | UD | X | | |
| 202 | | FI-0794 | F28 | Failed: MIT | 170, 140/130 | X | | |
| 203 | | FI-0795 | F27 | Failed: MIT | 140/130, 120, 90 | X | | |
| 204 | | FI-0797A | F27 | Failed: MIT | NS | X | | |
| 205 | | FI-0799 | F29 | Failed: MIT | UDI | X | | |
| 206 | | FI-0800A | F28 | Failed: MIT | 140/130 | X | | |
| 207 | | FI-0801 | F28 | Failed: MIT | 80 | X | | |
| 208 | | FI-0802 | F27 | Failed: MIT | 170 | X | | |
| 209 | | FI-0803A | F27 | Failed: MIT | UD | X | | |
| 210 | | FI-0804 | F27 | Failed: MIT | UD | X | | |
| 211 | | FI-0805 | F27 | Failed: MIT | NS | X | | |
| 212 | | FI-0806 | F29 | Failed: MIT | 160, 130 | X | | |
| 213 | | FI-0807 | F29 | Failed: MIT | UDI | X | | |
| 214 | | FI-0808 | F28 | Failed: MIT | 70 | X | | |
| 215 | | FI-0809 | F28 | Failed: MIT | NS | X | | |
| 216 | | FI-0810 | F27 | Failed: MIT | 140/130 | X | | |
| 217 | | FI-0811A | F27 | Failed: MIT | 170 | X | | |
| 218 | | FI-0813 | F27 | Failed: MIT | 140/130 | X | | |
| 219 | | FI-0814 | F27 | Failed: MIT | NS | X | | |
| 220 | | FI-0815 | F29 | Failed: MIT | NS | X | | |
| 221 | | FI-0816 | F28 | Failed: MIT | 140/130, 110 | X | | |
| 222 | | FI-0817 | F28 | Failed: MIT | UD | X | | |
| 223 | | FI-0818A | F27 | Failed: MIT | NS | X | | |
| 224 | | FI-0819 | F27 | Failed: MIT | 140/130 | X | | |
| 225 | | FI-0820 | F27 | Failed: MIT | UDI | X | | |
| 226 | | FI-0821 | F27 | Failed: MIT | 140/130, 120, 100 | X | | |
| 227 | | FI-0822 | F27 | Failed: MIT | NS | X | | |
| 228 | | FI-0823 | F29 | Failed: MIT | 160, 140/130 | X | | |
| 229 | | FI-0824 | F28 | Failed: MIT | 160, 140/130, 120 | X | | |
| 230 | | FI-0827 | F27 | Failed: MIT | 120 | X | | |
| 231 | | FI-0828 | F27 | Failed: MIT | 160 | X | | |
| 232 | | FI-0829 | F29 | Failed: MIT | NS | X | | |
| 233 | | FI-0830 | F28 | Failed: MIT | 140/130 | X | | |
| 234 | | FI-0831 | F28 | Failed: MIT | NS | X | | |
| 235 | | FI-0832 | F28 | Failed: MIT | 140/130 | X | | |
| 236 | | FI-0833 | F27 | Failed: MIT | UDI | X | | |
| 237 | | FI-0851P | F30 | Failed: MIT | UDI | X | | |
| 238 | | FI-0858A | F30 | Failed: MIT | UD | X | | |
| 239 | | FI-0859 | F30 | Failed: MIT | NS | X | | |
| 240 | | FI-0860 | F34 | Failed: MIT | NS | X | | |
| 241 | | FI-0864 | F34 | Failed: MIT | UD | X | | |
| 242 | | FI-0869 | F34 | Failed: MIT | NS | X | | |

TABLE 3: F Wellfield Wells Repaired or Abandoned

| | | Well | HH | Comments | Sand Association* | Abandoned | Repaired | No Further Investigation |
|-----|--|----------|-----|-------------|-------------------|-----------|----------|--------------------------|
| 243 | | FI-0883 | F31 | Failed: MIT | UDI | X | | |
| 244 | | FI-0884 | F31 | Failed: MIT | 170 | | X | |
| 245 | | FI-0887 | F31 | Failed: MIT | UD | X | | |
| 246 | | FI-0888 | F31 | Failed: MIT | UDI | X | | |
| 247 | | FI-0889 | F31 | Failed: MIT | NS | X | | |
| 248 | | FI-0890 | F31 | Failed: MIT | | | | |
| 249 | | FI-0894 | F29 | Failed: MIT | NS | X | | |
| 250 | | FI-0895 | F29 | Failed: MIT | NS | X | | |
| 251 | | FI-0896 | F31 | Failed: MIT | 120, 100 | X | | |
| 252 | | FI-0898 | F31 | Failed: MIT | NS | X | | |
| 253 | | FI-0900 | F29 | Failed: MIT | 140/130, 90 | X | | |
| 254 | | FI-0901 | F29 | Failed: MIT | 100, 70 | X | | |
| 255 | | FI-0902 | F29 | Failed: MIT | 70 | X | | |
| 256 | | FI-0903 | F29 | Failed: MIT | NS | X | | |
| 257 | | FI-0906 | F32 | Failed: MIT | NS | X | | |
| 258 | | FI-0914 | F33 | Failed: MIT | 50 | | X | |
| 259 | | FI-0915 | F33 | Failed: MIT | UD | | | |
| 260 | | FI-0928A | F32 | Failed: MIT | 180, 120 | X | | |
| 261 | | FI-0935 | F32 | Passed:MIT | NFI | | | X |
| 262 | | FI-0936 | F32 | Failed: MIT | UDI | X | | |
| 263 | | FI-0951 | F30 | Failed: MIT | NS | X | | |
| 264 | | FI-0953 | F34 | Failed: MIT | UD | X | | |
| 265 | | FI-0986 | F35 | Failed: MIT | 140 | X | | |
| 266 | | FI-0991 | F35 | Failed: MIT | 130 | X | | |
| 267 | | FI-0992 | F35 | Failed: MIT | 90 | X | | |
| 268 | | FI-0993 | F35 | Failed: MIT | UD | X | | |
| 269 | | FI-0996 | F35 | Failed: MIT | UDI | X | | |
| 270 | | FI-1008 | F36 | Failed: MIT | NS | X | | |
| 271 | | FI-1017 | F36 | Failed: MIT | UD | X | | |
| 272 | | FI-1023A | F36 | Failed: MIT | UDI | X | | |
| 273 | | FI-1057 | F39 | Failed: MIT | UDI | X | | |
| 274 | | FI-1059 | F38 | Passed:MIT | NFI | | | X |
| 275 | | FI-1061 | F39 | Failed: MIT | NS | X | | |
| 276 | | FI-1062 | F39 | Failed: MIT | UDI | X | | |
| 277 | | FI-1071 | F39 | Failed: MIT | UDI | X | | |
| 278 | | FI-1090 | F38 | Failed: MIT | 150 | X | | |
| 279 | | FI-1115 | F38 | Failed: MIT | UDI | X | | |
| 280 | | FI-1126P | F42 | Failed: MIT | 50 | X | | |
| 281 | | FI-1127 | F42 | Failed: MIT | UD | X | | |
| 282 | | FI-1128P | F42 | Failed: MIT | UD | X | | |
| 283 | | FI-1131 | F42 | Failed: MIT | UD | X | | |
| 284 | | FI-1134 | F42 | Failed: MIT | NS | X | | |
| 285 | | FI-1135P | F42 | Failed: MIT | UD | X | | |
| 286 | | FI-1139 | F42 | Failed: MIT | NS | X | | |
| 287 | | FI-1141A | F42 | Failed: MIT | 150 | X | | |
| 288 | | FI-1152 | F43 | Failed: MIT | UD | X | | |
| 289 | | FI-1154 | F43 | Failed: MIT | UD | X | | |
| 290 | | FI-1156 | F43 | Failed: MIT | UD | X | | |
| 291 | | FI-1160 | F43 | Failed: MIT | UD | X | | |
| 292 | | FI-1161 | F43 | Failed: MIT | UD | X | | |

TABLE 3: F Wellfield Wells Repaired or Abandoned

| | | Well | HH | Comments | Sand Association* | Abandoned | Repaired | No Further Investigation |
|-----|--|-----------|--------|-------------|-------------------|-----------|----------|--------------------------|
| 293 | | FI-1162 | F43 | Failed: MIT | UD | X | | |
| 294 | | FI-1164 | F43 | Failed: MIT | UD | X | | |
| 295 | | FI-1165 | F43 | Failed: MIT | UD | X | | |
| 296 | | FI-1166 | F43 | Failed: MIT | UD | X | | |
| 297 | | FI-1168 | F43 | Failed: MIT | UD | X | | |
| 298 | | FI-1172 | F43 | Failed: MIT | UD | X | | |
| 299 | | FI-1185 | F40 | Failed: MIT | UD | X | | |
| 300 | | FI-1186 | F40 | Failed: MIT | UD | | X | |
| 301 | | FI-1208P | F41 | Failed: MIT | UD | X | | |
| 302 | | FI-1211 | F41 | Failed: MIT | UDI | X | | |
| 303 | | FI-1215 | F40 | Failed: MIT | 50 | X | | |
| 304 | | FI-1217 | F40/41 | Failed: MIT | UD | X | | |
| 305 | | FI-1230 | F41 | Failed: MIT | | X | | |
| 306 | | FI-1236 | F41 | Failed: MIT | 100, 50 | X | | |
| 307 | | FI-1239 | F41 | Failed: MIT | 140, 120, 80, 50 | X | | |
| 308 | | FI-1241 | F41 | Failed: MIT | NS | X | | |
| 309 | | FI-1266 | F44 | Failed: MIT | UD | X | | |
| 310 | | FI-1270 | F44 | Failed: MIT | UD | X | | |
| 311 | | FI-1286 | F44 | Failed: MIT | UD | X | | |
| 312 | | FI-1288 | F44 | Failed: MIT | UD | X | | |
| 313 | | FI-1295 | F44 | Failed: MIT | UD | X | | |
| 314 | | FI-1354A | F46 | Failed: MIT | UD | X | | |
| 315 | | FI-1358 | F46 | Failed: MIT | UD | X | | |
| 316 | | FI-1360 | F46 | Failed: MIT | UD | X | | |
| 317 | | FI-1363 | F46 | Failed: MIT | UD | X | | |
| 318 | | FI-1364A | F46 | Failed: MIT | UD | X | | |
| 319 | | FI-1368 | F46 | Failed: MIT | UD | X | | |
| 320 | | FI-1369 | F46 | Failed: MIT | UD | X | | |
| 321 | | FI-1372 | F46 | Failed: MIT | UD | X | | |
| 322 | | FP-0013I | F1 | Failed: MIT | 130 | X | | |
| 323 | | FP-0020I | F1 | Failed: MIT | NS | X | | |
| 324 | | FP-0031I | F2 | Failed: MIT | NS | X | | |
| 325 | | FP-0034I | F2 | Failed: MIT | 140 | X | | |
| 326 | | FP-0040I | F3 | Failed: MIT | NS | X | | |
| 327 | | FP-0041I | F3 | Failed: MIT | UD | X | | |
| 328 | | FP-0042AI | F3 | Failed: MIT | UD | X | | |
| 329 | | FP-0047I | F3 | Failed: MIT | UD | X | | |
| 330 | | FP-0058I | F4 | Failed: MIT | UD | X | | |
| 331 | | FP-0066I | F4 | Failed: MIT | 150, 140 | X | | |
| 332 | | FP-0067I | F4 | Failed: MIT | NS | X | | |
| 333 | | FP-0175I | F11 | Failed: MIT | NS | | X | |
| 334 | | FP-0200I | F12 | Failed: MIT | 160 | X | | |
| 335 | | FP-0202I | F12 | Failed: MIT | UD | X | | |
| 336 | | FP-0208I | F12 | Failed: MIT | NS | | X | |
| 337 | | FP-0220AI | F13 | Failed: MIT | NS | X | | |
| 338 | | FP-0233I | F14 | Failed: MIT | UD | X | | |
| 339 | | FP-0237I | F14 | Failed: MIT | NS | | X | |
| 340 | | FP-0238I | F14 | Failed: MIT | NS | | X | |
| 341 | | FP-0264I | F16 | Failed: MIT | NS | X | | |

TABLE 3: F Wellfield Wells Repaired or Abandoned

| | | Well | HH | Comments | Sand Association* | Abandoned | Repaired | No Further Investigation |
|-----|--|-----------|-----|-------------|-------------------|-----------|----------|--------------------------|
| 342 | | FP-0276I | F16 | Failed: MIT | NS | X | | |
| 343 | | FP-0308I | F19 | Failed: MIT | UD | X | | |
| 344 | | FP-0311I | F19 | Failed: MIT | 160, 140, 130 | X | | |
| 345 | | FP-0320I | F20 | Failed: MIT | UD | X | | |
| 346 | | FP-0321I | F20 | Failed: MIT | UD | X | | |
| 347 | | FP-0323I | F20 | Failed: MIT | 160 | X | | |
| 348 | | FP-0325I | F20 | Failed: MIT | UD | X | | |
| 349 | | FP-0370I | F25 | Failed: MIT | UD | X | | |
| 350 | | FP-0374I | F25 | Failed: MIT | NS | X | | |
| 351 | | FP-0379I | F25 | Failed: MIT | UD | X | | |
| 352 | | FP-0410I | F26 | Failed: MIT | 170, 160 | | X | |
| 353 | | FP-0413AI | F26 | Failed: MIT | NS | | X | |
| 354 | | FP-0414I | F26 | Failed: MIT | NS | X | | |
| 355 | | FP-0415I | F26 | Failed: MIT | NS | X | | |
| 356 | | FP-0418I | F26 | Failed: MIT | UD | X | | |
| 357 | | FP-0421I | F26 | Failed: MIT | NS | X | | |
| 358 | | FP-0422I | F26 | Failed: MIT | UD | X | | |
| 359 | | FP-0428I | F28 | Failed: MIT | UDI | X | | |
| 360 | | FP-0430I | F27 | Failed: MIT | 160 | X | | |
| 361 | | FP-0434 | F29 | Failed: MIT | NS | X | | |
| 362 | | FP-0436I | F28 | Failed: MIT | UD | X | | |
| 363 | | FP-0438I | F27 | Failed: MIT | UDI | X | | |
| 364 | | FP-0440I | F28 | Failed: MIT | 70 | X | | |
| 365 | | FP-0442I | F27 | Failed: MIT | UD | X | | |
| 366 | | FP-0444I | F27 | Failed: MIT | 150 | X | | |
| 367 | | FP-0448I | F28 | Failed: MIT | 170 | X | | |
| 368 | | FP-0450I | F27 | Failed: MIT | UD | X | | |
| 369 | | FP-0451 | F29 | Failed: MIT | NS | X | | |
| 370 | | FP-0452I | F28 | Failed: MIT | UDI | X | | |
| 371 | | FP-0455I | F28 | Failed: MIT | UD | X | | |
| 372 | | FP-0502 | F31 | Failed: MIT | NS | X | | |
| 373 | | FP-0503I | F31 | Failed: MIT | 80, 70 | X | | |
| 374 | | FP-0504 | F29 | Failed: MIT | NS | X | | |
| 375 | | FP-0505 | F29 | Failed: MIT | NS | X | | |
| 376 | | FP-0506 | F29 | Failed: MIT | NS | X | | |
| 377 | | FP-0544I | F30 | Passed:MIT | NFI | | | X |
| 378 | | FP-0631I | F42 | Failed: MIT | UDI | X | | |
| 379 | | FP-0633I | F42 | Failed: MIT | UDI | X | | |
| 380 | | FP-0634I | F42 | Failed: MIT | UD | X | | |
| 381 | | FP-0642I | F42 | Failed: MIT | UD | X | | |

* NS=no sand; NFI=no further investigation; ND=no data; UD=not determined; UDI=not determined after investigation

> Indicates new wells added to list and/or updates to wells previously listed

Table 4: CLI Shallow Monitoring Wells

| Well | TD From TOC | Surface Elev. | Stick Up | Elev. of TOC | Date Drilled | Depth Drilled | Screen Top | Screen Bottom | Approximate Elev. Of Screened Interval | | Sand Unit |
|-------|-------------|---------------|----------|--------------|--------------|---------------|------------|---------------|--|--------|-----------|
| F20-1 | 252.8 | 5541.9 | 2.5 | 5539.4 | 11/14/12 | 255 | 242.4 | 252.4 | 5297.0 | 5287.0 | 120 |
| F26-2 | 318.0 | 5550.6 | 2.5 | 5548.1 | 11/29/12 | 320 | 307.7 | 317.7 | 5240.4 | 5230.4 | 110 |
| F26-3 | 246.5 | 5549.9 | 2.1 | 5547.9 | 11/30/12 | 253 | 226.2 | 246.2 | 5321.7 | 5301.7 | 120 |
| F29-2 | 326.2 | 5562.7 | 2.7 | 5560.0 | 12/13/12 | 330 | 315.9 | 325.9 | 5244.1 | 5234.1 | 110 |
| F29-3 | 257.8 | 5563.0 | 2.7 | 5560.3 | 12/19/12 | 260 | 237.5 | 257.5 | 5322.8 | 5302.8 | 120 |
| C3-6 | 224.5 | 5409.1 | 2.99 | 5412.1 | 2/21/13 | 220 | 214.1 | 224.1 | 5198.0 | 5188.0 | 110 |
| C4-6 | 342.6 | 5411.0 | 2.09 | 5413.1 | 3/1/13 | 345 | 327.4 | 342.4 | 5085.7 | 5070.7 | 80 |
| C4-7 | 278.4 | 5410.8 | 2.5 | 5413.3 | 2/28/13 | 275 | 268.0 | 278.0 | 5145.3 | 5135.3 | 100 |
| C4-8 | 217.7 | 5410.7 | 2.6 | 5413.3 | 02/22/13 | 215 | 207.4 | 217.4 | 5205.9 | 5195.9 | 110 |
| C5-7 | 344.8 | 5418.6 | 2.6 | 5421.2 | 02/13/13 | 348 | 334.4 | 344.4 | 5086.8 | 5076.8 | 80 |
| C5-8 | 277.6 | 5418.8 | 2.6 | 5421.3 | 02/15/13 | 275.0 | 267.2 | 277.2 | 5154.1 | 5144.1 | 100 |
| C10-1 | 150.1 | 5420.1 | 2.8 | 5422.9 | 03/11/13 | 147 | 139.7 | 149.7 | 5283.2 | 5273.2 | 130 |

*TBD = Pending survey results

Table 5
2nd Qrt, 2013 Sampling

| Well Database | Newly Installed | Old Wells Sampled-2nd Qrt, 2013 | New Wells Sampled-2nd Qrt, 2013 | Well Characterized (> 4 Samples) | Dry Well | Samples before 2012 | Samples for 2012 | Samples for 2013 | |
|---------------|-----------------|---------------------------------|---------------------------------|----------------------------------|----------|---------------------|------------------|------------------|-----|
| C1-1 | | | | x | | 82 | 4 | 1 | |
| C1-2 | | x | | x | | 25 | 4 | 2 | |
| C1-3 | | | | x | | 18 | 4 | 1 | |
| C1-4 | | x | | x | | 10 | 2 | 2 | |
| C1-5 | | x | | x | | 9 | 2 | 2 | |
| C1-6 | | x | | x | | 10 | 2 | 2 | |
| C2-1 | | x | | | | 21 | 2 | 2 | |
| C2-2A | | | | x | | 10 | 4 | 1 | |
| C3-1 | | | | x | | 27 | 4 | 1 | |
| C3-2A | | x | | x | | 9 | 4 | 2 | |
| C3-3 | | x | | | | 12 | 2 | 2 | |
| C3-4 | | x | | | | 16 | 2 | 2 | |
| C3-5 | | | | | | 2 | 2 | 1 | |
| | C3-6 | | x | | | 0 | 0 | 1 | |
| C4-1 | | | | | x | 12 | 0 | 0 | DRY |
| C4-2A | | x | | x | | 7 | 4 | 2 | |
| C4-3 | | x | | | | 10 | 2 | 2 | |
| C4-5 | | | | | | 6 | 2 | 1 | |
| | C4-6 | | x | | | 0 | 0 | 1 | |
| | C4-7 | | x | | | 0 | 0 | 1 | |
| | C4-8 | | x | | | 0 | 0 | 1 | |
| C5-1 | | x | | | | 13 | 2 | 2 | |
| C5-2 | | | | | | 3 | 2 | 1 | |
| C5-3 | | x | | | | 18 | 2 | 2 | |
| C5-4 | | | | | x | 0 | 0 | 0 | DRY |
| C5-5 | | | | | | 9 | 2 | 1 | |
| C5-6 | | x | | | | 6 | 2 | 2 | |
| | C5-7 | | x | | | 0 | 0 | 1 | |
| | C5-8 | | x | | | 0 | 0 | 1 | |
| C6-1 | | | | | | 8 | 2 | 1 | |
| C6-2 | | | | | | 28 | 2 | 1 | |
| C6-3 | | | | | | 21 | 2 | 1 | |
| C6-4 | | x | | | | 11 | 2 | 2 | |
| C8-1 | | | | | x | 13 | 0 | 0 | DRY |
| C8-2 | | | | | x | 0 | 0 | 0 | DRY |
| C8-3 | | x | | | | 19 | 2 | 2 | |
| C9-1 | | | | | x | 0 | 0 | 0 | DRY |
| C9-2 | | x | | | | 35 | 2 | 2 | |
| | C10-1 | | x | | | 0 | 0 | 1 | |
| C11-1 | | x | | | | 22 | 2 | 2 | |
| C11-2 | | x | | | | 18 | 2 | 2 | |
| C11-4 | | x | | | | 10 | 2 | 2 | |
| C11-5 | | x | | | | 10 | 2 | 2 | |
| C11-6 | | | | | | 5 | 2 | 1 | |
| C12-1 | | x | | | | 24 | 2 | 1 | |
| C14-3 | | x | | | | 6 | 2 | 1 | |
| C16-1 | | | | | x | 0 | 0 | 0 | DRY |
| C17-1 | | | | | | 5 | 2 | 1 | |
| C18-1 | | | | | x | 1 | 0 | 0 | DRY |
| C20-1 | | | | | | 5 | 2 | 1 | |
| C22-1 | | x | | x | | 8 | 2 | 2 | |
| | C22-2 | | x | x | | 0 | 3 | 2 | |
| | C22-3 | | x | x | | 0 | 3 | 2 | |
| | C22-4 | | | x | | 0 | 2 | 1 | |
| | CBG-01 | | x | x | | 0 | 3 | 2 | |
| | CBG-02 | | x | x | | 0 | 3 | 2 | |
| | CBG-03 | | x | x | | 0 | 3 | 2 | |
| | CBG-04 | | x | x | | 0 | 2 | 2 | |
| E4-1 | | | | | x | 0 | 0 | 0 | DRY |
| E4-3 | | x | | | | 14 | 2 | 2 | |
| E4-5 | | x | | | | 11 | 2 | 2 | |
| E4-6 | | x | | | | 11 | 2 | 2 | |
| E4-7 | | x | | x | | 24 | 3 | 2 | |
| E5-1 | | x | | | | 49 | 2 | 2 | |
| E5-2 | | x | | | | 80 | 2 | 2 | |
| E5-3 | | | | x | | 13 | 3 | 1 | |
| E5-4 | | x | | | | 11 | 2 | 2 | |
| E6-1 | | x | | | | 50 | 2 | 2 | |
| E6-2 | | x | | | | 69 | 2 | 2 | |
| E6-4 | | x | | | | 41 | 2 | 2 | |
| E6-5 | | | | | | 81 | 2 | 1 | |
| E6-6 | | | | | | 14 | 2 | 1 | |
| E6-7 | | x | | | | 11 | 2 | 2 | |
| E6-8 | | x | | | | 4 | 3 | 2 | |
| E7-1 | | x | | | | 80 | 2 | 2 | |
| E7-2 | | | | | | 45 | 2 | 1 | |
| E7-3 | | | | | x | 0 | 0 | 0 | DRY |
| E7-5 | | | | | x | 23 | 0 | 0 | DRY |
| E7-6 | | | | | | 14 | 2 | 1 | |
| E8-1 | | | | | | 86 | 2 | 1 | |
| E8-2 | | x | | | | 24 | 2 | 2 | |
| E9-2 | | | | | | 72 | 2 | 1 | |
| E9-3 | | x | | | | 83 | 2 | 2 | |
| E9-4 | | x | | | | 83 | 2 | 2 | |
| E9-5 | | x | | | | 87 | 2 | 2 | |
| E9-6 | | | | | | 13 | 2 | 1 | |
| | E9-7 | | x | x | | 0 | 3 | 2 | |
| | E9-8 | | x | x | | 0 | 3 | 2 | |
| | E9-9 | | x | x | | 0 | 3 | 2 | |
| E10-1 | | | | | | 76 | 2 | 1 | |
| E10-2 | | | | | | 49 | 2 | 1 | |
| E10-3 | | | | | | 84 | 2 | 1 | |
| E10-4 | | | | | | 83 | 2 | 1 | |
| E10-5 | | x | | | | 13 | 2 | 2 | |
| E10-6 | | | | | | 11 | 2 | 1 | |
| E10-7 | | x | | | | 11 | 2 | 2 | |
| E14-2 | | | | | | 3 | 2 | 1 | |
| E14-3 | | | | | x | 0 | 0 | 0 | DRY |
| E16-2 | | x | | | | 9 | 2 | 2 | |
| E17-1 | | x | | | | 9 | 2 | 2 | |
| E18-1 | | | | | x | 0 | 0 | 0 | DRY |
| E18-2 | | | | | x | 0 | 0 | 0 | DRY |
| E18-7 | | | | | x | 0 | 0 | 0 | DRY |
| E18-9 | | | | | x | 0 | 0 | 0 | DRY |
| F1-2 | | | | x | | 80 | 2 | 1 | |
| F2-1 | | x | | x | | 49 | 2 | 2 | |

Table 5
2nd Qrt, 2013 Sampling

| Well Database | Newly Installed | Old Wells Sampled-2nd Qrt, 2013 | New Wells Sampled-2nd Qrt, 2013 | Well Characterized (> 4 Samples) | Dry Well | Samples before 2012 | Samples for 2012 | Samples for 2013 | |
|---------------|-----------------|---------------------------------|---------------------------------|----------------------------------|----------|---------------------|------------------|------------------|-------------|
| F2-2 | | | | x | | 54 | 2 | 1 | |
| F2-3 | | | | x | | 41 | 2 | 1 | |
| F3-1 | | x | | x | | 41 | 2 | 2 | |
| F3-2 | | | | | | 27 | 2 | 1 | |
| F4-1 | | | | | x | 2 | 0 | 0 | DRY |
| F12-2 | | x | | | | 22 | 2 | 2 | |
| F13-1 | | | | | | 12 | 2 | 1 | |
| F14-1 | | | | | | 15 | 2 | 1 | |
| F14-2 | | | | | x | 11 | 0 | 0 | unsamplable |
| F14-3 | | | | | x | 10 | 1 | 0 | unsamplable |
| F15-1 | | | | | | 12 | 2 | 1 | |
| F16-1 | | x | | | | 11 | 2 | 2 | |
| F23-1 | | | x | | | 0 | 3 | 2 | |
| F23-2 | | | x | | | 0 | 3 | 2 | |
| F23-3 | | | x | | | 0 | 2 | 2 | |
| F23-4 | | | x | | | 0 | 2 | 2 | |
| F25-1 | | | x | | x | 0 | 0 | 0 | DRY |
| F25-2 | | | x | x | | 0 | 3 | 2 | |
| F25-3 | | | x | x | | 0 | 3 | 2 | |
| F26-1 | | | | | x | 0 | 0 | 0 | DRY |
| F28-1 | | x | | | | 6 | 1 | 2 | |
| F28-2 | | | x | | | 0 | 2 | 2 | |
| F28-3 | | | x | | | 0 | 2 | 2 | |
| F29-1 | | x | | | | 6 | 1 | 2 | |
| F31-1 | | | x | x | | 0 | 3 | 2 | |
| F31-2 | | | x | x | | 0 | 3 | 2 | |
| FBG-1 | | | x | x | | 0 | 3 | 2 | |
| FBG-2 | | | x | x | | 0 | 3 | 2 | |
| F20-1 | | | x | | | 0 | 0 | 2 | |
| F26-2 | | | x | | | 0 | 0 | 2 | |
| F26-3 | | | x | | | 0 | 0 | 2 | |
| F29-2 | | | x | | | 0 | 0 | 2 | |
| F29-3 | | | x | | | 0 | 0 | 2 | |
| 104 | 35 | 50 | 33 | | 20 | 0 | 0 | 2 | |

Wells to discontinue quarterly sampling, but left open for periodical aquifer evaluation

C-Wellfield
Table 6

| Well ID | | WYDEQ | C1-2 | C1-4 | C1-5 | C1-6 | C2-1 |
|---|----------|-----------|------------------|-----------------|----------------|------------------|------------------|
| Job Number | | Class III | C13040913-003 | C13050322-001 | C13050322-002 | C13050521-004 | C13050521-002 |
| Sample Date/Time | | Livestock | 4/29/13 11:05 AM | 5/7/13 11:23 AM | 5/7/13 1:53 PM | 5/13/13 11:49 AM | 5/13/13 11:32 AM |
| HSU | | Standard | 140 | 140 | 140 | 140 | 140 |
| Alkalinity, Total as CaCO ₃ | mg/L | -- | 236 | 249 | 251 | 255 | 274 |
| Carbonate as CO ₃ | mg/L | -- | <5 | <5 | <5 | <5 | <5 |
| Bicarbonate as HCO ₃ | mg/L | -- | 288 | 303 | 306 | 312 | 334 |
| Calcium | mg/L | -- | 477 | 473 | 445 | 342 | 366 |
| Chloride | mg/L | 2000 | 251 | 362 | 315 | 212 | 246 |
| Fluoride | mg/L | -- | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Magnesium | mg/L | -- | 106 | 142 | 101 | 69 | 73 |
| Nitrogen, Ammonia as N | mg/L | -- | <0.05 | 0.07 | <0.05 | <0.05 | <0.05 |
| Nitrogen, Nitrate+Nitrite as N | mg/L | 100 | <0.1 | 0.2 | 1.8 | 0.6 | 1.5 |
| Potassium | mg/L | -- | 12 | 12 | 11 | 11 | 11 |
| Silica | mg/L | -- | 15.4 | 11.9 | 9.6 | 13.0 | 14.8 |
| Sodium | mg/L | -- | 252 | 259 | 182 | 216 | 186 |
| Sulfate | mg/L | 3000 | 1590 | 1550 | 1280 | 984 | 924 |
| Conductivity @ 25 C | umhos/cm | -- | 3560 | 3710 | 3220 | 2730 | 2750 |
| pH | s.u. | 6.5-8.5 | 7.22 | 7.14 | 7.26 | 7.27 | 7.17 |
| Solids, Total Dissolved TDS @ 180 C | mg/L | 5000 | 2900 | 3250 | 2710 | 2150 | 2140 |
| Aluminum-D | mg/L | 5 | <0.1 | <0.1 | <0.1 | <0.1 | 1.9 |
| Antimony-D | mg/L | -- | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Arsenic-D | mg/L | 0.2 | 0.001 | 0.002 | 0.001 | <0.001 | <0.001 |
| Barium-D | mg/L | -- | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Beryllium-D | mg/L | -- | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Boron-D | mg/L | 5 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Cadmium-D | mg/L | 0.05 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 |
| Chromium-D | mg/L | 0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Copper-D | mg/L | 0.5 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| Iron-D | mg/L | -- | 1.36 | <0.03 | <0.03 | 0.63 | <0.03 |
| Lead-D | mg/L | 0.1 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Manganese-D | mg/L | -- | 0.18 | 0.70 | 0.18 | 0.19 | <0.01 |
| Mercury-D | mg/L | 0.00005 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Molybdenum-D | mg/L | -- | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Nickel-D | mg/L | -- | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Selenium-D | mg/L | 0.05 | <0.001 | 0.018 | 0.383 | 0.068 | 0.146 |
| Thallium-D | mg/L | -- | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Uranium-D | mg/L | -- | 0.0628 | 0.190 | 0.432 | 0.144 | 0.189 |
| Vanadium-D | mg/L | 0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Zinc-D | mg/L | 25 | 0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| Iron-T | mg/L | -- | 2.21 | <0.03 | 0.04 | 0.88 | <0.03 |
| Manganese-T | mg/L | -- | 0.19 | 0.82 | 0.20 | 0.19 | <0.01 |
| Gross Alpha - minus U - Calculated | pCi/L | -- | | | | | |
| Gross Alpha - Unadjusted | pCi/L | -- | | | | | |
| Gross Alpha precision (±) | pCi/L | -- | | | | | |
| Gross Alpha MDC | pCi/L | -- | 14.4 | 16.3 | 15.0 | 10.1 | 13.2 |
| Gross Beta | pCi/L | -- | 22.4 | 24.1 | 77.4 | 38.4 | 19.2 |
| Gross Beta precision (±) | pCi/L | -- | | | | | |
| Gross Beta MDC | pCi/L | -- | 22.7 | 23.9 | 20.5 | 29.8 | 22.3 |
| Radium 226 | pCi/L | -- | 18 | 2.9 | 1.2 | 1.3 | 0.57 |
| Radium 226 precision (±) | pCi/L | -- | | | | | |
| Radium 226 MDC | pCi/L | -- | 0.15 | 0.17 | 0.17 | 0.15 | 0.16 |
| Radium 228 | pCi/L | -- | 3.9 | 0.7 | 1.1 | 3.2 | 3.5 |
| Radium 228 precision (±) | pCi/L | -- | | | | | |
| Radium 228 MDC | pCi/L | -- | 1.5 | 2.5 | 2.5 | 1.7 | 1.7 |
| Combined Total Radium 226 and Radium 228 (Calculated) | pCi/L | 5 | | | | | |

* Duplicate sample

C-Wellfield
Table 6

| Well ID | | WYDEQ | C3-2A | C3-3 | C3-4 | C4-2A | C4-3 |
|---|----------|-----------|------------------|-----------------|-----------------|------------------|-----------------|
| Job Number | | Class III | C13040913-004 | C13050521-005 | C13050521-003 | C13040913-005 | C13050737-008 |
| Sample Date/Time | | Livestock | 4/29/13 11:48 AM | 5/13/13 2:59 PM | 5/13/13 2:52 PM | 4/29/13 12:46 PM | 5/19/13 3:16 PM |
| HSU | | Standard | 130 | 140 | 130 | 130 | 140 |
| Alkalinity, Total as CaCO ₃ | mg/L | — | 292 | 262 | 254 | 249 | 303 |
| Carbonate as CO ₃ | mg/L | — | <5 | <5 | <5 | <5 | <5 |
| Bicarbonate as HCO ₃ | mg/L | — | 357 | 320 | 310 | 303 | 370 |
| Calcium | mg/L | — | 411 | 360 | 315 | 313 | 376 |
| Chloride | mg/L | 2000 | 235 | 249 | 219 | 178 | 265 |
| Fluoride | mg/L | — | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Magnesium | mg/L | — | 73 | 74 | 56 | 58 | 73 |
| Nitrogen, Ammonia as N | mg/L | — | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Nitrogen, Nitrate+Nitrite as N | mg/L | 100 | 0.2 | 6.4 | 0.1 | 4.0 | 3.9 |
| Potassium | mg/L | — | 11 | 11 | 10 | 10 | 11 |
| Silica | mg/L | — | 13.6 | 13.4 | 13.8 | 12.8 | 13.5 |
| Sodium | mg/L | — | 209 | 254 | 232 | 211 | 249 |
| Sulfate | mg/L | 3000 | 1240 | 1010 | 896 | 1010 | 998 |
| Conductivity @ 25 C | umhos/cm | — | 3140 | 2950 | 2630 | 2680 | 2910 |
| pH | s.u. | 6.5-8.5 | 7.22 | 7.20 | 7.45 | 7.20 | 7.17 |
| Solids, Total Dissolved TDS @ 180 C | mg/L | 5000 | 2490 | 2280 | 1970 | 2070 | 2340 |
| Aluminum-D | mg/L | 5 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Antimony-D | mg/L | — | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Arsenic-D | mg/L | 0.2 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Barium-D | mg/L | — | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Beryllium-D | mg/L | — | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Boron-D | mg/L | 5 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Cadmium-D | mg/L | 0.05 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 |
| Chromium-D | mg/L | 0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Copper-D | mg/L | 0.5 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| Iron-D | mg/L | — | 0.22 | <0.03 | 0.57 | 0.20 | <0.03 |
| Lead-D | mg/L | 0.1 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Manganese-D | mg/L | — | <0.01 | <0.01 | 0.12 | <0.01 | <0.01 |
| Mercury-D | mg/L | 0.00005 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Molybdenum-D | mg/L | — | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Nickel-D | mg/L | — | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Selenium-D | mg/L | 0.05 | 0.039 | 0.496 | <0.001 | 0.372 | 0.404 |
| Thallium-D | mg/L | — | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Uranium-D | mg/L | — | 0.284 | 0.309 | 0.0152 | 0.0885 | 0.415 |
| Vanadium-D | mg/L | 0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Zinc-D | mg/L | 25 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| Iron-T | mg/L | — | 3.26 | 0.68 | 0.53 | 8.56 | 0.50 |
| Manganese-T | mg/L | — | 0.06 | 0.02 | 0.12 | 0.12 | <0.01 |
| Gross Alpha - minus U - Calculated | pCi/L | — | | | | | |
| Gross Alpha - Unadjusted | pCi/L | — | | | | | |
| Gross Alpha precision (±) | pCi/L | — | | | | | |
| Gross Alpha MDC | pCi/L | — | 13.2 | 13.5 | 14.3 | 10.4 | 16.3 |
| Gross Beta | pCi/L | — | 30.1 | 44.6 | 7.6 | 12.8 | 58.8 |
| Gross Beta precision (±) | pCi/L | — | | | | | |
| Gross Beta MDC | pCi/L | — | 19.2 | 24.7 | 19.5 | 17.9 | 22.6 |
| Radium 226 | pCi/L | — | 1.6 | 0.49 | 0.43 | 1.1 | 0.68 |
| Radium 226 precision (±) | pCi/L | — | | | | | |
| Radium 226 MDC | pCi/L | — | 0.16 | 0.15 | 0.15 | 0.16 | 0.15 |
| Radium 228 | pCi/L | — | 1.9 | 0.1 | 2.3 | 0.4 | 1.3 |
| Radium 228 precision (±) | pCi/L | — | | | | | |
| Radium 228 MDC | pCi/L | — | 1.6 | 1.7 | 1.7 | 1.6 | 1.5 |
| Combined Total Radium 226 and Radium 228 (Calculated) | pCi/L | 5 | | | | | |

* Duplicate sample

C-Wellfield
Table 6

| Well ID | | WYDEQ | C5-1 | C5-3 | C5-6 | C6-4 | C8-3 |
|---|----------|-----------|-----------------|-----------------|------------------|------------------|-----------------|
| Job Number | | Class III | C13060845-004 | C13050779-003 | C13040913-002 | C13050779-001 | C13050779-004 |
| Sample Date/Time | | Livestock | 6/24/13 1:54 PM | 5/20/13 2:44 PM | 4/29/13 10:24 AM | 5/20/13 11:39 AM | 5/20/13 3:24 PM |
| HSU | | Standard | 140 | 130 | 100 | 130 | 130 |
| Alkalinity, Total as CaCO ₃ | mg/L | — | 291 | 290 | 206 | 247 | 354 |
| Carbonate as CO ₃ | mg/L | — | <5 | <5 | <5 | <5 | <5 |
| Bicarbonate as HCO ₃ | mg/L | — | 355 | 354 | 251 | 301 | 432 |
| Calcium | mg/L | — | 310 | 334 | 162 | 273 | 168 |
| Chloride | mg/L | 2000 | 271 | 198 | 93 | 136 | 57 |
| Fluoride | mg/L | — | <0.1 | <0.1 | 0.2 | <0.1 | 0.1 |
| Magnesium | mg/L | — | 61 | 65 | 29 | 50 | 30 |
| Nitrogen, Ammonia as N | mg/L | — | <0.05 | <0.05 | <0.05 | <0.05 | 0.05 |
| Nitrogen, Nitrate+Nitrite as N | mg/L | 100 | 0.2 | <0.1 | <0.1 | <0.1 | <0.1 |
| Potassium | mg/L | — | 10 | 11 | 6 | 9 | 8 |
| Silica | mg/L | — | 12.9 | 13.4 | 12.8 | 14.5 | 16.2 |
| Sodium | mg/L | — | 159 | 245 | 187 | 225 | 160 |
| Sulfate | mg/L | 3000 | 710 | 977 | 575 | 851 | 396 |
| Conductivity @ 25 C | umhos/cm | — | 2480 | 2730 | 1720 | 2370 | 1530 |
| pH | s.u. | 6.5-8.5 | 7.20 | 7.32 | 7.61 | 7.41 | 7.33 |
| Solids, Total Dissolved TDS @ 180 C | mg/L | 5000 | 1840 | 2120 | 1200 | 1850 | 1080 |
| Aluminum-D | mg/L | 5 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Antimony-D | mg/L | — | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Arsenic-D | mg/L | 0.2 | 0.002 | <0.001 | 0.003 | <0.001 | <0.001 |
| Barium-D | mg/L | — | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Beryllium-D | mg/L | — | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Boron-D | mg/L | 5 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Cadmium-D | mg/L | 0.05 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 |
| Chromium-D | mg/L | 0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Copper-D | mg/L | 0.5 | 0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| Iron-D | mg/L | — | <0.03 | 0.85 | 0.59 | 0.42 | 0.18 |
| Lead-D | mg/L | 0.1 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Manganese-D | mg/L | — | <0.01 | 0.22 | 0.18 | 0.20 | 0.45 |
| Mercury-D | mg/L | 0.00005 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Molybdenum-D | mg/L | — | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Nickel-D | mg/L | — | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Selenium-D | mg/L | 0.05 | 0.027 | <0.001 | 0.002 | <0.001 | 0.002 |
| Thallium-D | mg/L | — | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Uranium-D | mg/L | — | 0.188 | 0.153 | <0.0005 | 0.0154 | 0.110 |
| Vanadium-D | mg/L | 0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Zinc-D | mg/L | 25 | 0.02 | <0.01 | 0.01 | <0.01 | <0.01 |
| Iron-T | mg/L | — | 0.09 | 0.80 | 0.39 | 0.46 | 0.18 |
| Manganese-T | mg/L | — | <0.01 | 0.23 | 0.20 | 0.20 | 0.48 |
| Gross Alpha - minus U - Calculated | pCi/L | — | | | | | |
| Gross Alpha - Unadjusted | pCi/L | — | | | | | |
| Gross Alpha precision (±) | pCi/L | — | | | | | |
| Gross Alpha MDC | pCi/L | — | 11.5 | 12.7 | 8.4 | 12.2 | 4.6 |
| Gross Beta | pCi/L | — | 32.5 | 24.7 | 6.1 | -10 | 21.7 |
| Gross Beta precision (±) | pCi/L | — | | | | | |
| Gross Beta MDC | pCi/L | — | 23.7 | 19.2 | 11.4 | 22.7 | 5.0 |
| Radium 226 | pCi/L | — | 1.2 | 1.3 | 0.85 | 1.3 | 0.32 |
| Radium 226 precision (±) | pCi/L | — | | | | | |
| Radium 226 MDC | pCi/L | — | 0.14 | 0.17 | 0.16 | 0.18 | 0.19 |
| Radium 228 | pCi/L | — | 2.3 | 2.8 | 0.7 | 2.7 | 3.0 |
| Radium 228 precision (±) | pCi/L | — | | | | | |
| Radium 228 MDC | pCi/L | — | 1.3 | 1.6 | 1.6 | 1.4 | 1.7 |
| Combined Total Radium 226 and Radium 228 (Calculated) | pCi/L | 5 | | | | | |

* Duplicate sample

C-Wellfield
Table 6

| Well ID | | WYDEQ | C9-2 | C11-1 | C11-2 | C11-4 | C11-5 |
|---|----------|-----------|----------------|-----------------|-----------------|------------------|----------------|
| Job Number | | Class III | C13060098-004 | C13060098-002 | C13060098-001 | C13060816-002 | C13060098-003 |
| Sample Date/Time | | Livestock | 6/3/13 3:47 PM | 6/3/13 11:22 AM | 6/3/13 11:07 AM | 6/21/13 11:48 AM | 6/3/13 2:55 PM |
| HSU | | Standard | 130 | 130 | 130 | 130 | 130 |
| Alkalinity, Total as CaCO3 | mg/L | -- | 236 | 299 | 198 | 232 | 278 |
| Carbonate as CO3 | mg/L | -- | <5 | <5 | <5 | <5 | <5 |
| Bicarbonate as HCO3 | mg/L | -- | 288 | 365 | 242 | 283 | 339 |
| Calcium | mg/L | -- | 77 | 119 | 59 | 71 | 133 |
| Chloride | mg/L | 2000 | 15 | 48 | 17 | 35 | 23 |
| Fluoride | mg/L | -- | 0.1 | 0.1 | 0.2 | 0.1 | 0.2 |
| Magnesium | mg/L | -- | 15 | 25 | 11 | 13 | 34 |
| Nitrogen, Ammonia as N | mg/L | -- | <0.05 | 1.78 | <0.05 | <0.05 | 0.14 |
| Nitrogen, Nitrate+Nitrite as N | mg/L | 100 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Potassium | mg/L | -- | 5 | 9 | 4 | 5 | 7 |
| Silica | mg/L | -- | 12.5 | 18.0 | 11.7 | 13.4 | 16.6 |
| Sodium | mg/L | -- | 98 | 77 | 124 | 124 | 80 |
| Sulfate | mg/L | 3000 | 207 | 232 | 237 | 230 | 331 |
| Conductivity @ 25 C | umhos/cm | -- | 857 | 1090 | 883 | 1020 | 1120 |
| pH | s.u. | 6.5-8.5 | 7.50 | 6.93 | 7.78 | 7.74 | 7.08 |
| Solids, Total Dissolved TDS @ 180 C | mg/L | 5000 | 589 | 754 | 608 | 655 | 830 |
| Aluminum-D | mg/L | 5 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Antimony-D | mg/L | -- | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Arsenic-D | mg/L | 0.2 | <0.001 | 0.004 | <0.001 | <0.001 | 0.002 |
| Barium-D | mg/L | -- | <0.1 | 0.1 | <0.1 | <0.1 | <0.1 |
| Beryllium-D | mg/L | -- | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Boron-D | mg/L | 5 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Cadmium-D | mg/L | 0.05 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 |
| Chromium-D | mg/L | 0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Copper-D | mg/L | 0.5 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| Iron-D | mg/L | -- | <0.03 | 4.62 | 0.04 | 0.03 | 1.47 |
| Lead-D | mg/L | 0.1 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Manganese-D | mg/L | -- | 0.01 | 0.73 | 0.08 | 0.16 | 0.32 |
| Mercury-D | mg/L | 0.00005 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Molybdenum-D | mg/L | -- | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Nickel-D | mg/L | -- | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Selenium-D | mg/L | 0.05 | 0.030 | 0.157 | 0.005 | 0.023 | 0.002 |
| Thallium-D | mg/L | -- | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Uranium-D | mg/L | -- | 0.0662 | 0.160 | 0.0222 | 0.0570 | 0.0074 |
| Vanadium-D | mg/L | 0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Zinc-D | mg/L | 25 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| Iron-T | mg/L | -- | <0.03 | 6.69 | 0.06 | 0.06 | 3.02 |
| Manganese-T | mg/L | -- | 0.01 | 0.81 | 0.08 | 0.17 | 0.32 |
| Gross Alpha - minus U - Calculated | pCi/L | | | | | | |
| Gross Alpha - Unadjusted | pCi/L | -- | | | | | |
| Gross Alpha precision (±) | pCi/L | -- | | | | | |
| Gross Alpha MDC | pCi/L | -- | 2.0 | 3.0 | 1.9 | 2.4 | 2.4 |
| Gross Beta | pCi/L | -- | 12.9 | 30.5 | 6.6 | 10.0 | 9.9 |
| Gross Beta precision (±) | pCi/L | -- | | | | | |
| Gross Beta MDC | pCi/L | -- | 2.7 | 4.3 | 2.4 | 3.7 | 4.0 |
| Radium 226 | pCi/L | -- | 0.53 | 1.2 | 0.22 | 0.24 | 0.71 |
| Radium 226 precision (±) | pCi/L | -- | | | | | |
| Radium 226 MDC | pCi/L | -- | 0.18 | 0.17 | 0.18 | 0.17 | 0.17 |
| Radium 228 | pCi/L | -- | 0.8 | 3.3 | 3.5 | 0.7 | 2.8 |
| Radium 228 precision (±) | pCi/L | -- | | | | | |
| Radium 228 MDC | pCi/L | -- | 1.7 | 1.6 | 1.7 | 1.6 | 1.6 |
| Combined Total Radium 226 and Radium 228 (Calculated) | pCi/L | 5 | | | | | |

* Duplicate sample

C-Wellfield
Table 6

| Well ID | | WYDEQ | C11-5* | C12-1 | C14-3 | C22-1 | C22-2 |
|---|----------|-----------|----------------|-----------------|-----------------|-----------------|----------------|
| Job Number | | Class III | C13060098-005 | C13040547-001 | C13060816-001 | C13040303-006 | C13040091-003 |
| Sample Date/Time | | Livestock | 6/3/13 3:00 PM | 4/15/13 2:47 PM | 6/21/13 3:55 PM | 4/8/13 11:55 AM | 4/1/13 2:09 PM |
| HSU | | Standard | 130 | 60 | 130 | 100 | 110 |
| Alkalinity, Total as CaCO3 | mg/L | -- | 279 | 127 | 142 | 127 | 140 |
| Carbonate as CO3 | mg/L | -- | <5 | <5 | <5 | <5 | <5 |
| Bicarbonate as HCO3 | mg/L | -- | 341 | 154 | 174 | 155 | 171 |
| Calcium | mg/L | -- | 135 | 32 | 117 | 31 | 41 |
| Chloride | mg/L | 2000 | 23 | 8 | 44 | 7 | 7 |
| Fluoride | mg/L | -- | 0.2 | 0.3 | 0.2 | 0.3 | 0.2 |
| Magnesium | mg/L | -- | 33 | 6 | 21 | 5 | 7 |
| Nitrogen, Ammonia as N | mg/L | -- | 0.15 | 0.18 | <0.05 | 0.12 | <0.05 |
| Nitrogen, Nitrate+Nitrite as N | mg/L | 100 | <0.1 | <0.1 | <0.1 | <0.1 | 0.3 |
| Potassium | mg/L | -- | 7 | 4 | 6 | 3 | 4 |
| Silica | mg/L | -- | 16.7 | 13.0 | 6.4 | 11.1 | 12.3 |
| Sodium | mg/L | -- | 80 | 66 | 193 | 105 | 120 |
| Sulfate | mg/L | 3000 | 329 | 104 | 556 | 194 | 228 |
| Conductivity @ 25 C | umhos/cm | -- | 1120 | 501 | 1490 | 681 | 787 |
| pH | s. u. | 6.5-8.5 | 7.06 | 8.17 | 8.28 | 8.12 | 8.21 |
| Solids, Total Dissolved TDS @ 180 C | mg/L | 5000 | 829 | 298 | 1050 | 446 | 514 |
| Aluminum-D | mg/L | 5 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Antimony-D | mg/L | -- | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Arsenic-D | mg/L | 0.2 | 0.002 | <0.001 | <0.001 | <0.001 | <0.001 |
| Barium-D | mg/L | -- | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Beryllium-D | mg/L | -- | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Boron-D | mg/L | 5 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Cadmium-D | mg/L | 0.05 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 |
| Chromium-D | mg/L | 0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Copper-D | mg/L | 0.5 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| Iron-D | mg/L | -- | 1.40 | <0.03 | <0.03 | 0.04 | <0.03 |
| Lead-D | mg/L | 0.1 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Manganese-D | mg/L | -- | 0.32 | 0.02 | 0.16 | 0.03 | 0.05 |
| Mercury-D | mg/L | 0.00005 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Molybdenum-D | mg/L | -- | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Nickel-D | mg/L | -- | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Selenium-D | mg/L | 0.05 | 0.001 | <0.001 | 0.001 | <0.001 | <0.001 |
| Thallium-D | mg/L | -- | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Uranium-D | mg/L | -- | 0.0084 | <0.0003 | 0.0016 | <0.0003 | <0.0003 |
| Vanadium-D | mg/L | 0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Zinc-D | mg/L | 25 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| Iron-T | mg/L | -- | 4.26 | 0.09 | 3.83 | 0.07 | 0.06 |
| Manganese-T | mg/L | -- | 0.32 | 0.02 | 0.27 | 0.03 | 0.05 |
| Gross Alpha - minus U - Calculated | pCi/L | -- | | | | | |
| Gross Alpha - Unadjusted | pCi/L | -- | | | | | |
| Gross Alpha precision (±) | pCi/L | -- | | | | | |
| Gross Alpha MDC | pCi/L | -- | 2.7 | 2.0 | 3.8 | 2.1 | 1.9 |
| Gross Beta | pCi/L | -- | 7.5 | 2.3 | 4.7 | 1.2 | 2.4 |
| Gross Beta precision (±) | pCi/L | -- | | | | | |
| Gross Beta MDC | pCi/L | -- | 3.9 | 2.7 | 4.9 | 2.6 | 2.8 |
| Radium 226 | pCi/L | -- | 0.57 | 0.27 | 0.43 | 0.31 | 0.18 |
| Radium 226 precision (±) | pCi/L | -- | | | | | |
| Radium 226 MDC | pCi/L | -- | 0.17 | 0.17 | 0.17 | 0.16 | 0.19 |
| Radium 228 | pCi/L | -- | 1.1 | 1.4 | 1.1 | -0.1 | 0.4 |
| Radium 228 precision (±) | pCi/L | -- | | | | | |
| Radium 228 MDC | pCi/L | -- | 1.6 | 1.6 | 1.5 | 1.8 | 1.9 |
| Combined Total Radium 226 and Radium 228 (Calculated) | pCi/L | 5 | | | | | |

* Duplicate sample

C-Wellfield
Table 6

| Well ID | | WYDEQ | C22-3 | CBG-1 | CBG-2 | CBG-3 | CBG-4 |
|---|----------|-----------|-----------------|-----------------|----------------|----------------|----------------|
| Job Number | | Class III | C13040091-001 | C13040913-001 | C13040039-003 | C13040039-002 | C13040039-001 |
| Sample Date/Time | | Livestock | 4/1/13 12:59 PM | 4/29/13 8:06 AM | 4/1/13 9:44 AM | 4/1/13 9:15 AM | 4/1/13 8:50 AM |
| HSU | | Standard | 120 | 100 | 110 | 130 | 140 |
| Alkalinity, Total as CaCO ₃ | mg/L | — | 137 | 163 | 145 | 204 | 233 |
| Carbonate as CO ₃ | mg/L | — | <5 | <5 | <5 | <5 | <5 |
| Bicarbonate as HCO ₃ | mg/L | — | 163 | 199 | 177 | 239 | 284 |
| Calcium | mg/L | — | 32 | 59 | 39 | 35 | 59 |
| Chloride | mg/L | 2000 | 9 | 5 | 4 | 4 | 4 |
| Fluoride | mg/L | — | 0.2 | 0.2 | 0.3 | 0.4 | 0.3 |
| Magnesium | mg/L | — | 4 | 10 | 6 | 5 | 11 |
| Nitrogen, Ammonia as N | mg/L | — | <0.05 | <0.05 | | | |
| Nitrogen, Nitrate+Nitrite as N | mg/L | 100 | <0.1 | <0.1 | <0.1 | <0.1 | 1.7 |
| Potassium | mg/L | — | 3 | 6 | 5 | 4 | 5 |
| Silica | mg/L | — | 10.0 | 14.4 | 12.2 | 9.6 | 15.5 |
| Sodium | mg/L | — | 107 | 100 | 83 | 90 | 51 |
| Sulfate | mg/L | 3000 | 183 | 228 | 173 | 106 | 82 |
| Conductivity @ 25 C | umhos/cm | — | 686 | 820 | 633 | 604 | 598 |
| pH | s.u. | 6.5-8.5 | 8.61 | 7.91 | 8.01 | 8.52 | 7.53 |
| Solids, Total Dissolved TDS @ 180 C | mg/L | 5000 | 440 | 518 | 404 | 378 | 376 |
| Aluminum-D | mg/L | 5 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Antimony-D | mg/L | — | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Arsenic-D | mg/L | 0.2 | <0.001 | <0.001 | <0.001 | 0.001 | <0.001 |
| Barium-D | mg/L | — | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Beryllium-D | mg/L | — | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Boron-D | mg/L | 5 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Cadmium-D | mg/L | 0.05 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 |
| Chromium-D | mg/L | 0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Copper-D | mg/L | 0.5 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| Iron-D | mg/L | — | <0.03 | 0.06 | 0.03 | <0.03 | <0.03 |
| Lead-D | mg/L | 0.1 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Manganese-D | mg/L | — | 0.03 | 0.02 | 0.03 | 0.01 | <0.01 |
| Mercury-D | mg/L | 0.00005 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Molybdenum-D | mg/L | — | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Nickel-D | mg/L | — | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Selenium-D | mg/L | 0.05 | <0.001 | <0.001 | 0.001 | 0.002 | 0.025 |
| Thallium-D | mg/L | — | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Uranium-D | mg/L | — | <0.0003 | 0.0123 | 0.0009 | 0.0013 | 0.0389 |
| Vanadium-D | mg/L | 0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Zinc-D | mg/L | 25 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| Iron-T | mg/L | — | 1.85 | 0.08 | 0.04 | 1.05 | 0.09 |
| Manganese-T | mg/L | — | 0.05 | 0.03 | 0.04 | 0.04 | <0.01 |
| Gross Alpha - minus U - Calculated | pCi/L | — | | | | | |
| Gross Alpha - Unadjusted | pCi/L | — | | | | | |
| Gross Alpha precision (±) | pCi/L | — | | | | | |
| Gross Alpha MDC | pCi/L | — | 2.4 | 3.1 | 1.8 | 1.6 | 1.7 |
| Gross Beta | pCi/L | — | 2.5 | 23.5 | 4.5 | 4.5 | 11.9 |
| Gross Beta precision (±) | pCi/L | — | | | | | |
| Gross Beta MDC | pCi/L | — | 2.7 | 5.5 | 2.7 | 3.0 | 2.5 |
| Radium 226 | pCi/L | — | 0.04 | 22 | 0.48 | 0.001 | 0.35 |
| Radium 226 precision (±) | pCi/L | — | | | | | |
| Radium 226 MDC | pCi/L | — | 0.22 | 0.17 | 0.26 | 0.23 | 0.23 |
| Radium 228 | pCi/L | — | 1.1 | -0.4 | 4.8 | 0.7 | 2.5 |
| Radium 228 precision (±) | pCi/L | — | | | 2.3 | 2.0 | 2.0 |
| Radium 228 MDC | pCi/L | — | 2.1 | 1.7 | | | |
| Combined Total Radium 226 and Radium 228 (Calculated) | pCi/L | 5 | | | | | |

* Duplicate sample

C-Wellfield_NEW
Table 9

| Well ID | | WYDEQ | C3-6 | C4-6 | C4-7 | C4-8 |
|---|----------|-----------|-----------------|---------------|---------------|---------------|
| Job Number | | Class III | C13060382-005 | C13060382-002 | C13060647-004 | C13060382-001 |
| Sample Date/Time | | Livestock | 6/10/13 5:59 PM | 6/10/2013 | 6/17/2013 | 6/10/2013 |
| HSU | | Standard | 110 | 80 | 100 | 110 |
| Alkalinity, Total as CaCO3 | mg/L | — | 186 | 140 | 128 | 203 |
| Carbonate as CO3 | mg/L | — | <5 | <5 | 10 | <5 |
| Bicarbonate as HCO3 | mg/L | — | 227 | 171 | 135 | 247 |
| Calcium | mg/L | — | 173 | 99 | 69 | 233 |
| Chloride | mg/L | 2000 | 95 | 37 | 46 | 121 |
| Fluoride | mg/L | — | <0.1 | 0.2 | 0.3 | <0.1 |
| Magnesium | mg/L | — | 30 | 17 | 12 | 44 |
| Nitrogen, Ammonia as N | mg/L | — | <0.05 | 0.07 | <0.05 | <0.05 |
| Nitrogen, Nitrate+Nitrite as N | mg/L | 100 | <0.1 | 0.3 | 0.7 | <0.1 |
| Potassium | mg/L | — | 6 | 5 | 6 | 13 |
| Silica | mg/L | — | 14.5 | 11.9 | 12.2 | 10.4 |
| Sodium | mg/L | — | 206 | 201 | 209 | 223 |
| Sulfate | mg/L | 3000 | 654 | 524 | 465 | 839 |
| Conductivity @ 25 C | umhos/cm | — | 1760 | 1380 | 1290 | 2110 |
| pH | s.u. | 6.5-8.5 | 7.74 | 8.09 | 8.94 | 7.65 |
| Solids, Total Dissolved TDS @ 180 C | mg/L | 5000 | 1330 | 1000 | 911 | 1660 |
| Aluminum-D | mg/L | 5 | <0.1 | <0.1 | <0.1 | <0.1 |
| Antimony-D | mg/L | — | <0.001 | <0.001 | <0.001 | <0.001 |
| Arsenic-D | mg/L | 0.2 | 0.001 | 0.001 | 0.006 | 0.001 |
| Barium-D | mg/L | — | <0.1 | <0.1 | <0.1 | <0.1 |
| Beryllium-D | mg/L | — | <0.001 | <0.001 | <0.001 | <0.001 |
| Boron-D | mg/L | 5 | <0.1 | <0.1 | <0.1 | <0.1 |
| Cadmium-D | mg/L | 0.05 | <0.005 | <0.005 | <0.005 | <0.005 |
| Chromium-D | mg/L | 0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Copper-D | mg/L | 0.5 | <0.01 | 0.01 | <0.01 | <0.01 |
| Iron-D | mg/L | — | 0.10 | <0.03 | <0.03 | 0.14 |
| Lead-D | mg/L | 0.1 | <0.001 | <0.001 | <0.001 | <0.001 |
| Manganese-D | mg/L | — | 0.18 | 0.07 | 0.02 | 0.23 |
| Mercury-D | mg/L | 0.00005 | <0.001 | <0.001 | <0.001 | <0.001 |
| Molybdenum-D | mg/L | — | <0.1 | <0.1 | <0.1 | <0.1 |
| Nickel-D | mg/L | — | <0.05 | <0.05 | <0.05 | <0.05 |
| Selenium-D | mg/L | 0.05 | <0.001 | 0.001 | 0.002 | <0.001 |
| Thallium-D | mg/L | — | <0.001 | <0.001 | <0.001 | <0.001 |
| Uranium-D | mg/L | — | <0.0003 | <0.0003 | 0.0041 | 0.0520 |
| Vanadium-D | mg/L | 0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Zinc-D | mg/L | 25 | <0.01 | 0.01 | 0.01 | 0.01 |
| Iron-T | mg/L | — | 0.15 | 0.32 | 0.06 | 0.15 |
| Manganese-T | mg/L | — | 0.18 | 0.07 | 0.01 | 0.22 |
| Gross Alpha - minus U - Calculated | pCi/L | 15 | | | | |
| Gross Alpha - Unadjusted | pCi/L | — | | | | |
| Gross Alpha precision (±) | pCi/L | — | | | | |
| Gross Alpha MDC | pCi/L | — | 12.2 | 3.3 | 3.3 | 10.5 |
| Gross Beta | pCi/L | — | 2.1 | 3.6 | 6.5 | 2.5 |
| Gross Beta precision (±) | pCi/L | — | | | | |
| Gross Beta MDC | pCi/L | — | 18.1 | 4.3 | 4.2 | 19.0 |
| Radium 226 | pCi/L | — | 0.60 | 0.52 | 0.45 | 0.38 |
| Radium 226 precision (±) | pCi/L | — | | | | |
| Radium 226 MDC | pCi/L | — | 0.17 | 0.16 | 0.21 | 0.16 |
| Radium 228 | pCi/L | — | 1.1 | 0.3 | 0.3 | 0.3 |
| Radium 228 precision (±) | pCi/L | — | | | | |
| Radium 228 MDC | pCi/L | — | 1.1 | 1.1 | 1.6 | 1.1 |
| Combined Total Radium 226 and Radium 228 (Calculated) | pCi/L | 5 | | | | |

* Duplicate sample

C-Wellfield_NEW
Table 9

| Well ID | | WYDEQ | C5-7 | C5-7* | C5-8 | C10-1 |
|---|----------|-----------|-----------------|------------------|-----------------|-----------------|
| Job Number | | Class III | C13060382-004 | C13060382-007 | C13060382-003 | C13060382-006 |
| Sample Date/Time | | Livestock | 6/10/13 5:32 PM | 6/10/13 12:00 AM | 6/10/13 2:49 PM | 6/10/13 7:10 PM |
| HSU | | Standard | 80 | 80 | 100 | 130 |
| Alkalinity, Total as CaCO ₃ | mg/L | — | 79 | 79 | 242 | 162 |
| Carbonate as CO ₃ | mg/L | — | <5 | <5 | <5 | <5 |
| Bicarbonate as HCO ₃ | mg/L | — | 93 | 94 | 295 | 195 |
| Calcium | mg/L | — | 23 | 23 | 182 | 36 |
| Chloride | mg/L | 2000 | 11 | 11 | 116 | 9 |
| Fluoride | mg/L | — | 0.3 | 0.3 | <0.1 | 0.2 |
| Magnesium | mg/L | — | 3 | 3 | 33 | 7 |
| Nitrogen, Ammonia as N | mg/L | — | <0.05 | 0.06 | <0.05 | <0.05 |
| Nitrogen, Nitrate+Nitrite as N | mg/L | 100 | <0.1 | <0.1 | <0.1 | <0.1 |
| Potassium | mg/L | — | 4 | 3 | 7 | 3 |
| Silica | mg/L | — | 9.3 | 9.2 | 13.7 | 13.8 |
| Sodium | mg/L | — | 124 | 123 | 199 | 127 |
| Sulfate | mg/L | 3000 | 227 | 226 | 598 | 220 |
| Conductivity @ 25 C | umhos/cm | — | 688 | 695 | 1800 | 792 |
| pH | s.u. | 6.5-8.5 | 8.63 | 8.95 | 7.81 | 8.35 |
| Solids, Total Dissolved TDS @ 180 C | mg/L | 5000 | 446 | 443 | 1350 | 577 |
| Aluminum-D | mg/L | 5 | <0.1 | <0.1 | <0.1 | <0.1 |
| Antimony-D | mg/L | — | <0.001 | <0.001 | <0.001 | <0.001 |
| Arsenic-D | mg/L | 0.2 | 0.001 | <0.001 | <0.001 | 0.003 |
| Barium-D | mg/L | — | <0.1 | <0.1 | <0.1 | <0.1 |
| Beryllium-D | mg/L | — | <0.001 | <0.001 | <0.001 | <0.001 |
| Boron-D | mg/L | 5 | <0.1 | <0.1 | <0.1 | <0.1 |
| Cadmium-D | mg/L | 0.05 | <0.005 | <0.005 | <0.005 | <0.005 |
| Chromium-D | mg/L | 0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Copper-D | mg/L | 0.5 | <0.01 | <0.01 | <0.01 | <0.01 |
| Iron-D | mg/L | — | <0.03 | <0.03 | 0.20 | <0.03 |
| Lead-D | mg/L | 0.1 | <0.001 | <0.001 | <0.001 | <0.001 |
| Manganese-D | mg/L | — | <0.01 | <0.01 | 0.17 | 0.01 |
| Mercury-D | mg/L | 0.00005 | <0.001 | <0.001 | <0.001 | <0.001 |
| Molybdenum-D | mg/L | — | <0.1 | <0.1 | <0.1 | <0.1 |
| Nickel-D | mg/L | — | <0.05 | <0.05 | <0.05 | <0.05 |
| Selenium-D | mg/L | 0.05 | <0.001 | <0.001 | <0.001 | <0.001 |
| Thallium-D | mg/L | — | <0.001 | <0.001 | <0.001 | <0.001 |
| Uranium-D | mg/L | — | <0.0003 | <0.0003 | <0.0003 | 0.0164 |
| Vanadium-D | mg/L | 0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Zinc-D | mg/L | 25 | 0.01 | 0.01 | 0.01 | <0.01 |
| Iron-T | mg/L | — | 2.78 | 2.94 | 0.23 | 6.40 |
| Manganese-T | mg/L | — | 0.03 | 0.03 | 0.17 | 0.08 |
| Gross Alpha - minus U - Calculated | pCi/L | 15 | | | | |
| Gross Alpha - Unadjusted | pCi/L | — | | | | |
| Gross Alpha precision (±) | pCi/L | — | | | | |
| Gross Alpha MDC | pCi/L | — | 2.0 | 1.6 | 9.8 | 2.0 |
| Gross Beta | pCi/L | — | 0.7 | 1.9 | 4.8 | 2.0 |
| Gross Beta precision (±) | pCi/L | — | | | | |
| Gross Beta MDC | pCi/L | — | 2.7 | 2.7 | 18.8 | 2.8 |
| Radium 226 | pCi/L | — | 0.17 | 0.10 | 0.75 | 0.05 |
| Radium 226 precision (±) | pCi/L | — | | | | |
| Radium 226 MDC | pCi/L | — | 0.17 | 0.16 | 0.17 | 0.16 |
| Radium 228 | pCi/L | — | 1 | 0.05 | 1.3 | -0.03 |
| Radium 228 precision (±) | pCi/L | — | | | | |
| Radium 228 MDC | pCi/L | — | 1.1 | 1.1 | 1.1 | 1.1 |
| Combined Total Radium 226 and Radium 228 (Calculated) | pCi/L | 5 | | | | |

* Duplicate sample

E-Wellfield
Table 7

| Well ID | | WYDEQ | E-4-3 | E4-5 | E4-6 | E4-7 | E5-1 |
|---|----------|-----------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Job Number | | Class III | C13040303-008 | C13050737-007 | C13050737-005 | C13050002-003 | C13060816-005 |
| Sample Date/Time | | Livestock | 4/8/13 12:32 PM | 5/19/13 7:54 AM | 5/19/13 8:13 AM | 4/29/13 4:32 PM | 6/21/13 3:51 PM |
| HSU | | Standard | 140 | 140 | 140 | 140 | 140 |
| Alkalinity, Total as CaCO3 | mg/L | — | 254 | 254 | 237 | 278 | 329 |
| Carbonate as CO3 | mg/L | — | <5 | <5 | <5 | <5 | <5 |
| Bicarbonate as HCO3 | mg/L | — | 309 | 310 | 289 | 339 | 402 |
| Calcium | mg/L | — | 67 | 74 | 66 | 94 | 135 |
| Chloride | mg/L | 2000 | 7 | 23 | 8 | 12 | 59 |
| Fluoride | mg/L | — | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 |
| Magnesium | mg/L | — | 13 | 15 | 13 | 19 | 26 |
| Nitrogen, Ammonia as N | mg/L | — | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Nitrogen, Nitrate+Nitrite as N | mg/L | 100 | 1.8 | 1.9 | 1.6 | 2.0 | 1.9 |
| Potassium | mg/L | — | 5 | 6 | 6 | 7 | 8 |
| Silica | mg/L | — | 16.6 | 16.3 | 16.4 | 17.1 | 16.9 |
| Sodium | mg/L | — | 53 | 69 | 64 | 58 | 71 |
| Sulfate | mg/L | 3000 | 87 | 96 | 95 | 122 | 213 |
| Conductivity @ 25 C | umhos/cm | — | 649 | 725 | 650 | 779 | 1180 |
| pH | s.u. | 6.5-8.5 | 7.44 | 7.47 | 7.50 | 7.24 | 7.25 |
| Solids, Total Dissolved TDS @ 180 C | mg/L | 5000 | 405 | 474 | 425 | 492 | 782 |
| Aluminum-D | mg/L | 5 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Antimony-D | mg/L | — | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Arsenic-D | mg/L | 0.2 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Barium-D | mg/L | — | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Beryllium-D | mg/L | — | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Boron-D | mg/L | 5 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Cadmium-D | mg/L | 0.05 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 |
| Chromium-D | mg/L | 0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Copper-D | mg/L | 0.5 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| Iron-D | mg/L | — | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 |
| Lead-D | mg/L | 0.1 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Manganese-D | mg/L | — | 0.02 | <0.01 | <0.01 | 0.07 | 0.02 |
| Mercury-D | mg/L | 0.00005 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Molybdenum-D | mg/L | — | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Nickel-D | mg/L | — | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Selenium-D | mg/L | 0.05 | 0.063 | 0.170 | 0.072 | 0.085 | 0.984 |
| Thallium-D | mg/L | — | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Uranium-D | mg/L | — | 0.0636 | 0.141 | 0.0538 | 1.98 | 0.395 |
| Vanadium-D | mg/L | 0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Zinc-D | mg/L | 25 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| Iron-T | mg/L | — | 0.08 | 0.35 | <0.03 | 1.80 | <0.03 |
| Manganese-T | mg/L | — | 0.02 | <0.01 | <0.01 | 0.08 | <0.01 |
| Gross Alpha - minus U - Calculated | pCi/L | — | | | | | |
| Gross Alpha - Unadjusted | pCi/L | — | | | | | |
| Gross Alpha precision (±) | pCi/L | — | | | | | |
| Gross Alpha MDC | pCi/L | — | 1.8 | 2.2 | 1.7 | 2.5 | 8.6 |
| Gross Beta | pCi/L | — | 11.8 | 24.4 | 14.6 | 198 | 47.6 |
| Gross Beta precision (±) | pCi/L | — | | | | | |
| Gross Beta MDC | pCi/L | — | 2.7 | 3.0 | 3.0 | 2.7 | 14.5 |
| Radium 226 | pCi/L | — | 0.41 | 0.45 | 0.45 | 34 | 7.4 |
| Radium 226 precision (±) | pCi/L | — | | | | | |
| Radium 226 MDC | pCi/L | — | 0.16 | 0.15 | 0.15 | 0.19 | 0.16 |
| Radium 228 | pCi/L | — | 0.2 | 0.7 | -0.1 | 2.2 | 1.3 |
| Radium 228 precision (±) | pCi/L | — | | | | | |
| Radium 228 MDC | pCi/L | — | 1.8 | 1.3 | 1.5 | 2.0 | 1.5 |
| Combined Total Radium 226 and Radium 228 (Calculated) | pCi/L | 5 | | | | | |

* Duplicate sample

E-Wellfield
Table 7

| Well ID | | WYDEQ | E5-2 | E5-4 | E6-1 | E6-2 | E6-4 |
|---|----------|-----------|-----------------|------------------|-----------------|-----------------|-----------------|
| Job Number | | Class III | C13060816-004 | C13050779-002 | C13060816-003 | C13040039-005 | C13040039-006 |
| Sample Date/Time | | Livestock | 6/21/13 1:19 PM | 5/20/13 10:12 AM | 6/21/13 2:55 PM | 4/1/13 11:02 AM | 4/1/13 11:48 AM |
| HSU | | Standard | 140 | 140 | 140 | 140 | 140 |
| Alkalinity, Total as CaCO3 | mg/L | — | 292 | 211 | 248 | 424 | 355 |
| Carbonate as CO3 | mg/L | — | <5 | <5 | <5 | <5 | <5 |
| Bicarbonate as HCO3 | mg/L | — | 356 | 258 | 303 | 517 | 433 |
| Calcium | mg/L | — | 144 | 55 | 125 | 234 | 178 |
| Chloride | mg/L | 2000 | 50 | 10 | 34 | 97 | 72 |
| Fluoride | mg/L | — | 0.2 | 0.3 | 0.2 | 0.2 | 0.2 |
| Magnesium | mg/L | — | 27 | 9 | 23 | 42 | 30 |
| Nitrogen, Ammonia as N | mg/L | — | <0.05 | <0.05 | <0.05 | | |
| Nitrogen, Nitrate+Nitrite as N | mg/L | 100 | 2.1 | 1.7 | 2.1 | 1.8 | 2.4 |
| Potassium | mg/L | — | 8 | 6 | 8 | 10 | 9 |
| Silica | mg/L | — | 18.0 | 15.9 | 16.7 | 20.2 | 19.2 |
| Sodium | mg/L | — | 72 | 55 | 67 | 72 | 76 |
| Sulfate | mg/L | 3000 | 261 | 61 | 232 | 360 | 299 |
| Conductivity @ 25 C | umhos/cm | — | 1160 | 551 | 1010 | 1590 | 1360 |
| pH | s.u. | 6.5-8.5 | 7.30 | 7.69 | 7.46 | 7.31 | 7.30 |
| Solids, Total Dissolved TDS @ 180 C | mg/L | 5000 | 778 | 342 | 682 | 1140 | 935 |
| Aluminum-D | mg/L | 5 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Antimony-D | mg/L | — | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Arsenic-D | mg/L | 0.2 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Barium-D | mg/L | — | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Beryllium-D | mg/L | — | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Boron-D | mg/L | 5 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Cadmium-D | mg/L | 0.05 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 |
| Chromium-D | mg/L | 0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Copper-D | mg/L | 0.5 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| Iron-D | mg/L | — | 0.03 | 0.03 | <0.03 | 0.04 | 0.06 |
| Lead-D | mg/L | 0.1 | <0.001 | <0.001 | <0.001 | <0.001 | 0.002 |
| Manganese-D | mg/L | — | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| Mercury-D | mg/L | 0.00005 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Molybdenum-D | mg/L | — | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Nickel-D | mg/L | — | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Selenium-D | mg/L | 0.05 | 1.05 | 0.048 | 0.338 | 3.13 | 0.816 |
| Thallium-D | mg/L | — | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Uranium-D | mg/L | — | 0.337 | 0.0346 | 0.165 | 1.13 | 0.345 |
| Vanadium-D | mg/L | 0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Zinc-D | mg/L | 25 | <0.01 | <0.01 | <0.01 | <0.01 | 0.09 |
| Iron-T | mg/L | — | 1.34 | 3.30 | <0.03 | 0.37 | 0.47 |
| Manganese-T | mg/L | — | 0.01 | 0.05 | 0.01 | <0.01 | <0.01 |
| Gross Alpha - minus U - Calculated | pCi/L | — | | | | | |
| Gross Alpha - Unadjusted | pCi/L | — | | | | | |
| Gross Alpha precision (±) | pCi/L | — | | | | | |
| Gross Alpha MDC | pCi/L | — | 8.4 | 1.9 | 3.2 | 4.3 | 3.5 |
| Gross Beta | pCi/L | — | 36.4 | 9.6 | 25.5 | 237 | 67.1 |
| Gross Beta precision (±) | pCi/L | — | | | | | |
| Gross Beta MDC | pCi/L | — | 16.4 | 2.7 | 4.3 | 6.7 | 5.1 |
| Radium 226 | pCi/L | — | 1.8 | 1.1 | 0.70 | 2.0 | 2.0 |
| Radium 226 precision (±) | pCi/L | — | | | | | |
| Radium 226 MDC | pCi/L | — | 0.17 | 0.17 | 0.16 | 0.20 | 0.22 |
| Radium 228 | pCi/L | — | 2.0 | 0.7 | 2.1 | 4.3 | 1.3 |
| Radium 228 precision (±) | pCi/L | — | | | | | |
| Radium 228 MDC | pCi/L | — | 1.5 | 1.3 | 1.5 | 1.7 | 1.9 |
| Combined Total Radium 226 and Radium 228 (Calculated) | pCi/L | 5 | | | | | |

* Duplicate sample

E-Wellfield
Table 7

| Well ID | | WYDEQ | E6-7 | E6-8 | E7-1 | E8-2 | E9-3 |
|---|----------|-----------|-----------------|-----------------|---------------|---------------|---------------|
| Job Number | | Class III | C13050737-001 | C13040303-007 | C13040091-002 | C13040739-002 | C13060845-003 |
| Sample Date/Time | | Livestock | 5/19/13 1:56 PM | 4/8/13 12:28 PM | 4/1/2013 | 4/22/2013 | 6/24/2013 |
| HSU | | Standard | 140 | 120 | 140 | 140 | 140 |
| Alkalinity, Total as CaCO3 | mg/L | — | 199 | 187 | 309 | 226 | 205 |
| Carbonate as CO3 | mg/L | — | <5 | <5 | <5 | <5 | <5 |
| Bicarbonate as HCO3 | mg/L | — | 243 | 228 | 377 | 275 | 251 |
| Calcium | mg/L | — | 59 | 58 | 116 | 56 | 64 |
| Chloride | mg/L | 2000 | 3 | 33 | 13 | 3 | 3 |
| Fluoride | mg/L | — | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 |
| Magnesium | mg/L | — | 10 | 9 | 20 | 10 | 11 |
| Nitrogen, Ammonia as N | mg/L | — | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Nitrogen, Nitrate+Nitrite as N | mg/L | 100 | 1.7 | <0.1 | 2.3 | 1.1 | 1.4 |
| Potassium | mg/L | — | 6 | 5 | 8 | 6 | 6 |
| Silica | mg/L | — | 14.9 | 10.6 | 19.1 | 17.3 | 15.5 |
| Sodium | mg/L | — | 39 | 90 | 64 | 31 | 27 |
| Sulfate | mg/L | 3000 | 63 | 174 | 189 | 38 | 56 |
| Conductivity @ 25 C | umhos/cm | — | 515 | 773 | 936 | 491 | 507 |
| pH | s.u. | 6.5-8.5 | 7.56 | 7.95 | 7.34 | 7.58 | 7.74 |
| Solids, Total Dissolved TDS @ 180 C | mg/L | 5000 | 331 | 498 | 621 | 293 | 310 |
| Aluminum-D | mg/L | 5 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Antimony-D | mg/L | — | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Arsenic-D | mg/L | 0.2 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Barium-D | mg/L | — | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Beryllium-D | mg/L | — | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Boron-D | mg/L | 5 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Cadmium-D | mg/L | 0.05 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 |
| Chromium-D | mg/L | 0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Copper-D | mg/L | 0.5 | <0.01 | <0.01 | <0.01 | <0.01 | 0.01 |
| Iron-D | mg/L | — | <0.03 | 0.19 | 0.11 | 0.12 | <0.03 |
| Lead-D | mg/L | 0.1 | <0.001 | <0.001 | 0.001 | <0.001 | <0.001 |
| Manganese-D | mg/L | — | <0.01 | 0.06 | 0.03 | 0.16 | <0.01 |
| Mercury-D | mg/L | 0.00005 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Molybdenum-D | mg/L | — | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Nickel-D | mg/L | — | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Selenium-D | mg/L | 0.05 | 0.010 | <0.001 | 0.389 | 0.015 | 0.006 |
| Thallium-D | mg/L | — | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Uranium-D | mg/L | — | 0.0292 | 0.0013 | 0.130 | 0.0316 | 0.0276 |
| Vanadium-D | mg/L | 0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Zinc-D | mg/L | 25 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| Iron-T | mg/L | — | 0.10 | 1.57 | <0.03 | 26.8 | <0.03 |
| Manganese-T | mg/L | — | <0.01 | 0.07 | 0.02 | 0.43 | <0.01 |
| Gross Alpha - minus U - Calculated | pCi/L | — | | | | | |
| Gross Alpha - Unadjusted | pCi/L | — | | | | | |
| Gross Alpha precision (±) | pCi/L | — | | | | | |
| Gross Alpha MDC | pCi/L | — | 1.8 | 2.6 | 2.2 | 1.9 | 1.9 |
| Gross Beta | pCi/L | — | 6.4 | 5.6 | 37.0 | 6.6 | 9.1 |
| Gross Beta precision (±) | pCi/L | — | | | | | |
| Gross Beta MDC | pCi/L | — | 2.8 | 4.1 | 5.2 | 2.7 | 2.7 |
| Radium 226 | pCi/L | — | 0.56 | 0.75 | 1.6 | 2.8 | 0.65 |
| Radium 226 precision (±) | pCi/L | — | | | | | |
| Radium 226 MDC | pCi/L | — | 0.15 | 0.16 | 0.16 | 0.23 | 0.15 |
| Radium 228 | pCi/L | — | -0.8 | 0.1 | 1.4 | 0.6 | 7.0 |
| Radium 228 precision (±) | pCi/L | — | | | | | |
| Radium 228 MDC | pCi/L | — | 1.6 | 1.8 | 1.5 | 1.6 | 1.4 |
| Combined Total Radium 226 and Radium 228 (Calculated) | pCi/L | 5 | | | | | |

* Duplicate sample

E-Wellfield
Table 7

| Well ID | | WYDEQ | E9-4 | E9-5 | E9-7 | E9-8 | E9-9 |
|---|----------|-----------|---------------|---------------|---------------|---------------|---------------|
| Job Number | | Class III | C13050002-001 | C13040739-001 | C13040091-009 | C13040039-004 | C13050002-002 |
| Sample Date/Time | | Livestock | 4/29/2013 | 4/22/2013 | 4/1/2013 | 4/1/2013 | 4/29/2013 |
| HSU | | Standard | 140 | 140 | 110 | 120 | 140 |
| Alkalinity, Total as CaCO ₃ | mg/L | -- | 181 | 251 | 133 | 132 | 211 |
| Carbonate as CO ₃ | mg/L | -- | <5 | <5 | <5 | <5 | <5 |
| Bicarbonate as HCO ₃ | mg/L | -- | 221 | 306 | 162 | 161 | 258 |
| Calcium | mg/L | -- | 55 | 109 | 26 | 24 | 90 |
| Chloride | mg/L | 2000 | 3 | 13 | 5 | 5 | 5 |
| Fluoride | mg/L | -- | 0.3 | 0.2 | 0.3 | 0.3 | 0.3 |
| Magnesium | mg/L | -- | 9 | 18 | 4 | 4 | 15 |
| Nitrogen, Ammonia as N | mg/L | -- | <0.05 | 0.05 | <0.05 | | <0.05 |
| Nitrogen, Nitrate+Nitrite as N | mg/L | 100 | 1.4 | 1.2 | <0.1 | <0.1 | 1.5 |
| Potassium | mg/L | -- | 6 | 8 | 3 | 4 | 7 |
| Silica | mg/L | -- | 16.7 | 16.6 | 12.2 | 10.7 | 16.9 |
| Sodium | mg/L | -- | 33 | 32 | 80 | 75 | 30 |
| Sulfate | mg/L | 3000 | 67 | 140 | 139 | 118 | 118 |
| Conductivity @ 25 C | umhos/cm | -- | 470 | 772 | 542 | 522 | 640 |
| pH | s.u. | 6.5-8.5 | 7.6 | 7.37 | 8.25 | 8.08 | 7.52 |
| Solids, Total Dissolved TDS @ 180 C | mg/L | 5000 | 303 | 493 | 351 | 323 | 420 |
| Aluminum-D | mg/L | 5 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Antimony-D | mg/L | -- | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Arsenic-D | mg/L | 0.2 | 0.002 | 0.004 | <0.001 | <0.001 | <0.001 |
| Barium-D | mg/L | -- | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Beryllium-D | mg/L | -- | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Boron-D | mg/L | 5 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Cadmium-D | mg/L | 0.05 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 |
| Chromium-D | mg/L | 0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Copper-D | mg/L | 0.5 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| Iron-D | mg/L | -- | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 |
| Lead-D | mg/L | 0.1 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Manganese-D | mg/L | -- | <0.01 | 0.05 | 0.02 | 0.02 | 0.01 |
| Mercury-D | mg/L | 0.00005 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Molybdenum-D | mg/L | -- | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Nickel-D | mg/L | -- | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Selenium-D | mg/L | 0.05 | 0.007 | 0.456 | <0.001 | <0.001 | 0.011 |
| Thallium-D | mg/L | -- | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Uranium-D | mg/L | -- | 0.0182 | 0.620 | <0.0003 | <0.0003 | 0.0336 |
| Vanadium-D | mg/L | 0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Zinc-D | mg/L | 25 | <0.01 | 0.01 | <0.01 | <0.01 | <0.01 |
| Iron-T | mg/L | -- | <0.03 | 17.0 | <0.03 | <0.03 | 5.57 |
| Manganese-T | mg/L | -- | <0.01 | 0.12 | 0.02 | 0.02 | 0.07 |
| Gross Alpha - minus U - Calculated | pCi/L | -- | | | | | |
| Gross Alpha - Unadjusted | pCi/L | -- | | | | | |
| Gross Alpha precision (±) | pCi/L | -- | | | | | |
| Gross Alpha MDC | pCi/L | -- | 2.0 | 2.2 | 1.8 | 1.8 | 2.5 |
| Gross Beta | pCi/L | -- | 5.9 | 106 | 2.8 | 1.7 | 9.4 |
| Gross Beta precision (±) | pCi/L | -- | | | | | |
| Gross Beta MDC | pCi/L | -- | 2.6 | 2.7 | 2.5 | 2.7 | 2.7 |
| Radium 226 | pCi/L | -- | 0.87 | 175 | 0.07 | 0.12 | 1.1 |
| Radium 226 precision (±) | pCi/L | -- | | | | | |
| Radium 226 MDC | pCi/L | -- | 0.20 | 0.23 | 0.18 | 0.22 | 0.19 |
| Radium 228 | pCi/L | -- | 0.2 | 2.2 | -0.2 | 1 | 0.9 |
| Radium 228 precision (±) | pCi/L | -- | | | | | |
| Radium 228 MDC | pCi/L | -- | 2.1 | 1.6 | 2.1 | 1.9 | 2.0 |
| Combined Total Radium 226 and Radium 228 (Calculated) | pCi/L | 5 | | | | | |

* Duplicate sample

E-Wellfield
Table 7

| Well ID | | WYDEQ | E10-5 | E10-7 | E16-2 | E16-2* | E17-1 |
|---|----------|-----------|----------------|------------------|-----------------|------------------|---------------|
| Job Number | | Class III | C13040333-002 | C13060845-002 | C13050737-006 | C13050737-009 | C13050737-004 |
| Sample Date/Time | | Livestock | 4/8/13 1:24 PM | 6/24/13 10:08 AM | 5/19/13 9:54 AM | 5/19/13 12:00 AM | 5/19/2013 |
| HSU | | Standard | 140 | 140 | 140 | 140 | 140 |
| Alkalinity, Total as CaCO ₃ | mg/L | — | 466 | 234 | 199 | 198 | 168 |
| Carbonate as CO ₃ | mg/L | — | <5 | <5 | <5 | <5 | <5 |
| Bicarbonate as HCO ₃ | mg/L | — | 568 | 285 | 243 | 242 | 205 |
| Calcium | mg/L | — | 220 | 82 | 67 | 69 | 55 |
| Chloride | mg/L | 2000 | 102 | 4 | 7 | 7 | 5 |
| Fluoride | mg/L | — | 0.2 | 0.2 | 0.3 | 0.3 | 0.4 |
| Magnesium | mg/L | — | 35 | 16 | 14 | 14 | 10 |
| Nitrogen, Ammonia as N | mg/L | — | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Nitrogen, Nitrate+Nitrite as N | mg/L | 100 | 1.0 | 1.2 | 1.3 | 1.2 | 0.7 |
| Potassium | mg/L | — | 11 | 6 | 5 | 6 | 5 |
| Silica | mg/L | — | 20.3 | 12.0 | 15.0 | 15.4 | 14.1 |
| Sodium | mg/L | — | 72 | 32 | 61 | 63 | 48 |
| Sulfate | mg/L | 3000 | 288 | 102 | 129 | 133 | 97 |
| Conductivity @ 25 C | umhos/cm | — | 1540 | 640 | 656 | 658 | 528 |
| pH | s.u. | 6.5-8.5 | 6.97 | 7.51 | 7.56 | 7.57 | 7.66 |
| Solids, Total Dissolved TDS @ 180 C | mg/L | 5000 | 1060 | 404 | 443 | 439 | 349 |
| Aluminum-D | mg/L | 5 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Antimony-D | mg/L | — | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Arsenic-D | mg/L | 0.2 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Barium-D | mg/L | — | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Beryllium-D | mg/L | — | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Boron-D | mg/L | 5 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Cadmium-D | mg/L | 0.05 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 |
| Chromium-D | mg/L | 0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Copper-D | mg/L | 0.5 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| Iron-D | mg/L | — | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 |
| Lead-D | mg/L | 0.1 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Manganese-D | mg/L | — | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| Mercury-D | mg/L | 0.00005 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Molybdenum-D | mg/L | — | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Nickel-D | mg/L | — | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Selenium-D | mg/L | 0.05 | 1.21 | 0.011 | 0.059 | 0.057 | 0.027 |
| Thallium-D | mg/L | — | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Uranium-D | mg/L | — | 0.222 | 0.0379 | 0.0755 | 0.0745 | 0.0544 |
| Vanadium-D | mg/L | 0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Zinc-D | mg/L | 25 | <0.01 | 0.01 | <0.01 | <0.01 | <0.01 |
| Iron-T | mg/L | — | 0.04 | 0.28 | <0.03 | <0.03 | <0.03 |
| Manganese-T | mg/L | — | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| Gross Alpha - minus U - Calculated | pCi/L | — | | | | | |
| Gross Alpha - Unadjusted | pCi/L | — | | | | | |
| Gross Alpha precision (±) | pCi/L | — | | | | | |
| Gross Alpha MDC | pCi/L | — | 6.5 | 2.2 | 1.8 | 1.6 | 1.6 |
| Gross Beta | pCi/L | — | 23.8 | 11.1 | 17.0 | 25.7 | 10.4 |
| Gross Beta precision (±) | pCi/L | — | | | | | |
| Gross Beta MDC | pCi/L | — | 15.8 | 2.8 | 2.7 | 4.0 | 2.6 |
| Radium 226 | pCi/L | — | 0.70 | 2.4 | 0.41 | 0.39 | 0.44 |
| Radium 226 precision (±) | pCi/L | — | | | | | |
| Radium 226 MDC | pCi/L | — | 0.17 | 0.16 | 0.15 | 0.15 | 0.15 |
| Radium 228 | pCi/L | — | 1.1 | 2.4 | 0.06 | 0.6 | 0.4 |
| Radium 228 precision (±) | pCi/L | — | | | | | |
| Radium 228 MDC | pCi/L | — | 2.3 | 1.5 | 1.5 | 1.6 | 1.5 |
| Combined Total Radium 226 and Radium 228 (Calculated) | pCi/L | 5 | | | | | |

* Duplicate sample

F-Wellfield
Table 8

| Well ID | | WYDEQ | F2-1 | F3-1 | F3-1* | F12-2 | F16-1 |
|---|----------|-----------|-----------------|----------------|-----------------|------------------|------------------|
| Job Number | | Class III | C13060845-001 | C13040333-001 | C13040333-003 | C13040547-002 | C13040547-003 |
| Sample Date/Time | | Livestock | 6/24/13 7:57 AM | 4/8/13 2:33 PM | 4/8/13 12:00 AM | 4/15/13 11:37 AM | 4/15/13 10:05 AM |
| HSU | | Standard | 140 | 130 | 130 | 140 | 160 |
| Alkalinity, Total as CaCO ₃ | mg/L | -- | 203 | 230 | 230 | 516 | 459 |
| Carbonate as CO ₃ | mg/L | -- | <5 | <5 | <5 | <5 | <5 |
| Bicarbonate as HCO ₃ | mg/L | -- | 247 | 281 | 280 | 630 | 560 |
| Calcium | mg/L | -- | 54 | 88 | 87 | 259 | 366 |
| Chloride | mg/L | 2000 | 4 | 6 | 6 | 124 | 185 |
| Fluoride | mg/L | -- | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 |
| Magnesium | mg/L | -- | 9 | 13 | 13 | 42 | 89 |
| Nitrogen, Ammonia as N | mg/L | -- | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Nitrogen, Nitrate+Nitrite as N | mg/L | 100 | 1.4 | 1.1 | 1.2 | 0.2 | <0.1 |
| Potassium | mg/L | -- | 6 | 7 | 8 | 13 | 17 |
| Silica | mg/L | -- | 15.2 | 17.0 | 16.6 | 14.4 | 12.9 |
| Sodium | mg/L | -- | 53 | 85 | 84 | 156 | 47 |
| Sulfate | mg/L | 3000 | 77 | 222 | 220 | 507 | 772 |
| Conductivity @ 25 C | umhos/cm | -- | 554 | 869 | 872 | 2080 | 2370 |
| pH | s.u. | 6.5-8.5 | 7.58 | 7.56 | 7.55 | 7.37 | 7.41 |
| Solids, Total Dissolved TDS @ 180 C | mg/L | 5000 | 347 | 595 | 598 | 1440 | 1800 |
| Aluminum-D | mg/L | 5 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Antimony-D | mg/L | -- | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Arsenic-D | mg/L | 0.2 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Barium-D | mg/L | -- | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Beryllium-D | mg/L | -- | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Boron-D | mg/L | 5 | <0.1 | <0.1 | <0.1 | 0.1 | <0.1 |
| Cadmium-D | mg/L | 0.05 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 |
| Chromium-D | mg/L | 0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Copper-D | mg/L | 0.5 | 0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| Iron-D | mg/L | -- | <0.03 | <0.03 | <0.03 | 0.08 | 0.11 |
| Lead-D | mg/L | 0.1 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Manganese-D | mg/L | -- | <0.01 | <0.01 | <0.01 | 0.09 | 0.02 |
| Mercury-D | mg/L | 0.00005 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Molybdenum-D | mg/L | -- | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Nickel-D | mg/L | -- | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Selenium-D | mg/L | 0.05 | 0.025 | 0.056 | 0.060 | 0.396 | 0.197 |
| Thallium-D | mg/L | -- | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Uranium-D | mg/L | -- | 0.0800 | 0.0436 | 0.0432 | 0.156 | 1.77 |
| Vanadium-D | mg/L | 0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Zinc-D | mg/L | 25 | 0.02 | <0.01 | <0.01 | 0.01 | 0.03 |
| Iron-T | mg/L | -- | 0.23 | <0.03 | <0.03 | 16.7 | 16.4 |
| Manganese-T | mg/L | -- | <0.01 | <0.01 | <0.01 | 0.20 | 0.12 |
| Gross Alpha - minus U - Calculated | pCi/L | -- | | | | | |
| Gross Alpha - Unadjusted | pCi/L | -- | | | | | |
| Gross Alpha precision (±) | pCi/L | -- | | | | | |
| Gross Alpha MDC | pCi/L | -- | 2.4 | 2.0 | 2.5 | 8.3 | 9.2 |
| Gross Beta | pCi/L | -- | 15.5 | 11.3 | 10.1 | 35.2 | 260 |
| Gross Beta precision (±) | pCi/L | -- | | | | | |
| Gross Beta MDC | pCi/L | -- | 2.6 | 3.1 | 3.0 | 14.8 | 17.9 |
| Radium 226 | pCi/L | -- | 0.70 | 0.39 | 0.33 | 2.6 | 51 |
| Radium 226 precision (±) | pCi/L | -- | | | | | |
| Radium 226 MDC | pCi/L | -- | 0.17 | 0.16 | 0.16 | 0.17 | 0.16 |
| Radium 228 | pCi/L | -- | 0.6 | 0.3 | 0.01 | 1.7 | 2.5 |
| Radium 228 precision (±) | pCi/L | -- | | | | | |
| Radium 228 MDC | pCi/L | -- | 1.5 | 2.2 | 2.2 | 1.5 | 1.5 |
| Combined Total Radium 226 and Radium 228 (Calculated) | pCi/L | 5 | | | | | |

* Duplicate sample

F-Wellfield
Table 8

| Well ID | | WYDEQ | F23-1 | F23-2 | F23-3 | F23-4 | F25-2 |
|---|----------|-----------|-----------------|-----------------|----------------|----------------|----------------|
| Job Number | | Class III | C13061019-001 | C13050521-001 | C13040091-007 | C13040303-003 | C13040091-005 |
| Sample Date/Time | | Livestock | 6/27/13 8:13 AM | 5/13/13 8:31 AM | 4/1/13 5:07 AM | 4/8/13 8:45 AM | 4/1/13 4:04 AM |
| HSU | | Standard | 110 | 120 | 120 | 120 | 120 |
| Alkalinity, Total as CaCO ₃ | mg/L | -- | 134 | 278 | 202 | 217 | 253 |
| Carbonate as CO ₃ | mg/L | -- | <5 | <5 | <5 | <5 | <5 |
| Bicarbonate as HCO ₃ | mg/L | -- | 163 | 340 | 247 | 265 | 308 |
| Calcium | mg/L | -- | 55 | 432 | 332 | 182 | 287 |
| Chloride | mg/L | 2000 | 11 | 50 | 21 | 7 | 6 |
| Fluoride | mg/L | -- | 0.4 | 0.2 | 0.2 | 0.2 | 0.2 |
| Magnesium | mg/L | -- | 9 | 90 | 55 | 30 | 49 |
| Nitrogen, Ammonia as N | mg/L | -- | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Nitrogen, Nitrate+Nitrite as N | mg/L | 100 | <0.1 | 0.2 | 0.1 | 0.3 | 0.2 |
| Potassium | mg/L | -- | 6 | 15 | 13 | 11 | 12 |
| Silica | mg/L | -- | 10.2 | 16.2 | 17.7 | 17.7 | 17.9 |
| Sodium | mg/L | -- | 103 | 80 | 101 | 88 | 84 |
| Sulfate | mg/L | 3000 | 236 | 1220 | 1100 | 553 | 883 |
| Conductivity @ 25 C | umhos/cm | -- | 778 | 2500 | 2130 | 1340 | 1890 |
| pH | s.u. | 6.5-8.5 | 7.87 | 7.15 | 7.31 | 7.46 | 7.44 |
| Solids, Total Dissolved TDS @ 180 C | mg/L | 5000 | 504 | 2220 | 1850 | 1040 | 1600 |
| Aluminum-D | mg/L | 5 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Antimony-D | mg/L | -- | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Arsenic-D | mg/L | 0.2 | <0.001 | <0.001 | 0.003 | 0.002 | 0.001 |
| Barium-D | mg/L | -- | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Beryllium-D | mg/L | -- | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Boron-D | mg/L | 5 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Cadmium-D | mg/L | 0.05 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 |
| Chromium-D | mg/L | 0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Copper-D | mg/L | 0.5 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| Iron-D | mg/L | -- | <0.03 | 0.05 | 0.07 | <0.03 | 0.05 |
| Lead-D | mg/L | 0.1 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Manganese-D | mg/L | -- | 0.02 | 1.22 | 0.57 | 0.24 | 0.26 |
| Mercury-D | mg/L | 0.00005 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Molybdenum-D | mg/L | -- | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Nickel-D | mg/L | -- | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Selenium-D | mg/L | 0.05 | <0.001 | 0.002 | 0.003 | 0.011 | <0.001 |
| Thallium-D | mg/L | -- | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Uranium-D | mg/L | -- | <0.0003 | 0.221 | 0.0679 | 0.0363 | 0.0365 |
| Vanadium-D | mg/L | 0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Zinc-D | mg/L | 25 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| Iron-T | mg/L | -- | 0.40 | 0.44 | 0.37 | 0.47 | 1.63 |
| Manganese-T | mg/L | -- | 0.02 | 1.28 | 0.61 | 0.26 | 0.30 |
| Gross Alpha - minus U - Calculated | pCi/L | -- | | | | | |
| Gross Alpha - Unadjusted | pCi/L | -- | | | | | |
| Gross Alpha precision (±) | pCi/L | -- | | | | | |
| Gross Alpha MDC | pCi/L | -- | 1.7 | 10.3 | 4.7 | 3.5 | 3.8 |
| Gross Beta | pCi/L | -- | 2.3 | 44.6 | 38.7 | 13.9 | 30.1 |
| Gross Beta precision (±) | pCi/L | -- | | | | | |
| Gross Beta MDC | pCi/L | -- | 2.7 | 17.6 | 6.9 | 4.7 | 6.2 |
| Radium 226 | pCi/L | -- | 0.18 | 1.1 | 1.9 | 1.1 | 1.4 |
| Radium 226 precision (±) | pCi/L | -- | | | | | |
| Radium 226 MDC | pCi/L | -- | 0.15 | 0.16 | 0.17 | 0.16 | 0.18 |
| Radium 228 | pCi/L | -- | 1.0 | 7.4 | 7.6 | 3.2 | 5.7 |
| Radium 228 precision (±) | pCi/L | -- | | | | | |
| Radium 228 MDC | pCi/L | -- | 1.6 | 1.8 | 1.9 | 1.8 | 1.8 |
| Combined Total Radium 226 and Radium 228 (Calculated) | pCi/L | 5 | | | | | |

* Duplicate sample

F-Wellfield
Table 8

| Well ID | | WYDEQ | F25-3 | F28-1 | F28-2 | F28-3 | F29-1 |
|---|----------|-----------|----------------|----------------|----------------|----------------|-----------------|
| Job Number | | Class III | C13040091-008 | C13040303-009 | C13040303-002 | C13040303-001 | C13040547-004 |
| Sample Date/Time | | Livestock | 4/1/13 6:24 AM | 4/8/13 2:05 PM | 4/8/13 7:47 AM | 4/8/13 7:34 AM | 4/15/13 1:32 PM |
| HSU | | Standard | 110 | 130 | 110 | 120 | 130 |
| Alkalinity, Total as CaCO ₃ | mg/L | — | 127 | 235 | 132 | 242 | 246 |
| Carbonate as CO ₃ | mg/L | — | <5 | <5 | <5 | <5 | <5 |
| Bicarbonate as HCO ₃ | mg/L | — | 155 | 287 | 161 | 295 | 301 |
| Calcium | mg/L | — | 87 | 212 | 98 | 209 | 203 |
| Chloride | mg/L | 2000 | 5 | 14 | 7 | 7 | 8 |
| Fluoride | mg/L | — | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| Magnesium | mg/L | — | 15 | 38 | 16 | 37 | 36 |
| Nitrogen, Ammonia as N | mg/L | — | <0.05 | <0.05 | <0.05 | <0.05 | 0.36 |
| Nitrogen, Nitrate+Nitrite as N | mg/L | 100 | <0.1 | 0.3 | <0.1 | <0.1 | <0.1 |
| Potassium | mg/L | — | 7 | 11 | 8 | 11 | 12 |
| Silica | mg/L | — | 12.6 | 17.1 | 14.9 | 19.8 | 19.9 |
| Sodium | mg/L | — | 89 | 79 | 80 | 80 | 68 |
| Sulfate | mg/L | 3000 | 342 | 627 | 333 | 602 | 539 |
| Conductivity @ 25 C | umhos/cm | — | 938 | 1500 | 919 | 1440 | 1380 |
| pH | s.u. | 6.5-8.5 | 7.80 | 7.43 | 7.93 | 7.41 | 7.36 |
| Solids, Total Dissolved TDS @ 180 C | mg/L | 5000 | 660 | 1190 | 658 | 1140 | 1020 |
| Aluminum-D | mg/L | 5 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Antimony-D | mg/L | — | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Arsenic-D | mg/L | 0.2 | 0.008 | <0.001 | 0.002 | 0.004 | 0.004 |
| Barium-D | mg/L | — | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Beryllium-D | mg/L | — | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Boron-D | mg/L | 5 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Cadmium-D | mg/L | 0.05 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 |
| Chromium-D | mg/L | 0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Copper-D | mg/L | 0.5 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| Iron-D | mg/L | — | 0.11 | 0.36 | <0.03 | <0.03 | 0.23 |
| Lead-D | mg/L | 0.1 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Manganese-D | mg/L | — | 0.08 | 0.21 | 0.03 | 0.15 | 0.20 |
| Mercury-D | mg/L | 0.00005 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Molybdenum-D | mg/L | — | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Nickel-D | mg/L | — | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Selenium-D | mg/L | 0.05 | <0.001 | 0.144 | <0.001 | 0.001 | 0.009 |
| Thallium-D | mg/L | — | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Uranium-D | mg/L | — | 0.0142 | 0.0729 | 0.0328 | 0.0465 | 0.0402 |
| Vanadium-D | mg/L | 0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Zinc-D | mg/L | 25 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| Iron-T | mg/L | — | 0.21 | 0.87 | 1.55 | 2.42 | 0.70 |
| Manganese-T | mg/L | — | 0.08 | 0.22 | 0.07 | 0.22 | 0.22 |
| Gross Alpha - minus U - Calculated | pCi/L | — | | | | | |
| Gross Alpha - Unadjusted | pCi/L | — | | | | | |
| Gross Alpha precision (±) | pCi/L | — | | | | | |
| Gross Alpha MDC | pCi/L | — | 3.0 | 4.5 | 2.4 | 4.4 | 3.5 |
| Gross Beta | pCi/L | — | 6.1 | 23.3 | 6.3 | 18.5 | 15.9 |
| Gross Beta precision (±) | pCi/L | — | | | | | |
| Gross Beta MDC | pCi/L | — | 3.1 | 5.4 | 2.9 | 6.1 | 5.0 |
| Radium 226 | pCi/L | — | 0.30 | 1.7 | 0.62 | 1.9 | 1.9 |
| Radium 226 precision (±) | pCi/L | — | | | | | |
| Radium 226 MDC | pCi/L | — | 0.20 | 0.16 | 0.17 | 0.16 | 0.16 |
| Radium 228 | pCi/L | — | 1.4 | 4.1 | 0.01 | 4.6 | 5.1 |
| Radium 228 precision (±) | pCi/L | — | | | | | |
| Radium 228 MDC | pCi/L | — | 2.3 | 1.8 | 1.8 | 1.8 | 1.5 |
| Combined Total Radium 226 and Radium 228 (Calculated) | pCi/L | 5 | | | | | |

* Duplicate sample

F-Wellfield
Table 8

| Well ID | | WYDEQ | F31-1 | F31-2 | FBG-1 | FBG-2 |
|---|----------|-----------|----------------|----------------|----------------|-----------------|
| Job Number | | Class III | C13040091-004 | C13040091-006 | C13040303-004 | C13040303-005 |
| Sample Date/Time | | Livestock | 4/1/13 3:12 AM | 4/1/13 4:19 AM | 4/8/13 9:58 AM | 4/8/13 10:03 AM |
| HSU | | Standard | 120 | 110 | 120 | 110 |
| Alkalinity, Total as CaCO ₃ | mg/L | — | 209 | 141 | 234 | 96 |
| Carbonate as CO ₃ | mg/L | — | <5 | <5 | <5 | <5 |
| Bicarbonate as HCO ₃ | mg/L | — | 254 | 172 | 285 | 118 |
| Calcium | mg/L | — | 205 | 110 | 43 | 42 |
| Chloride | mg/L | 2000 | 14 | 7 | 3 | 5 |
| Fluoride | mg/L | — | 0.2 | 0.3 | 0.3 | 0.3 |
| Magnesium | mg/L | — | 37 | 18 | 7 | 6 |
| Nitrogen, Ammonia as N | mg/L | — | <0.05 | <0.05 | <0.05 | <0.05 |
| Nitrogen, Nitrate+Nitrite as N | mg/L | 100 | <0.1 | <0.1 | 1.7 | <0.1 |
| Potassium | mg/L | — | 12 | 9 | 5 | 5 |
| Silica | mg/L | — | 19.1 | 13.8 | 16.4 | 11.3 |
| Sodium | mg/L | — | 95 | 72 | 120 | 63 |
| Sulfate | mg/L | 3000 | 630 | 349 | 148 | 167 |
| Conductivity @ 25 C | umhos/cm | — | 1510 | 944 | 744 | 558 |
| pH | s.u. | 6.5-8.5 | 7.49 | 7.84 | 7.87 | 8.14 |
| Solids, Total Dissolved TDS @ 180 C | mg/L | 5000 | 1180 | 672 | 492 | 375 |
| Aluminum-D | mg/L | 5 | <0.1 | <0.1 | <0.1 | <0.1 |
| Antimony-D | mg/L | — | <0.001 | <0.001 | <0.001 | <0.001 |
| Arsenic-D | mg/L | 0.2 | 0.001 | <0.001 | 0.009 | <0.001 |
| Barium-D | mg/L | — | <0.1 | <0.1 | <0.1 | <0.1 |
| Beryllium-D | mg/L | — | <0.001 | <0.001 | <0.001 | <0.001 |
| Boron-D | mg/L | 5 | <0.1 | <0.1 | <0.1 | <0.1 |
| Cadmium-D | mg/L | 0.05 | <0.005 | <0.005 | <0.005 | <0.005 |
| Chromium-D | mg/L | 0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Copper-D | mg/L | 0.5 | <0.01 | <0.01 | <0.01 | <0.01 |
| Iron-D | mg/L | — | 0.03 | <0.03 | <0.03 | 0.05 |
| Lead-D | mg/L | 0.1 | <0.001 | <0.001 | <0.001 | <0.001 |
| Manganese-D | mg/L | — | 0.24 | 0.04 | <0.01 | 0.12 |
| Mercury-D | mg/L | 0.00005 | <0.001 | <0.001 | <0.001 | <0.001 |
| Molybdenum-D | mg/L | — | <0.1 | <0.1 | <0.1 | <0.1 |
| Nickel-D | mg/L | — | <0.05 | <0.05 | <0.05 | <0.05 |
| Selenium-D | mg/L | 0.05 | 0.030 | <0.001 | 0.023 | <0.001 |
| Thallium-D | mg/L | — | <0.001 | <0.001 | <0.001 | <0.001 |
| Uranium-D | mg/L | — | 0.0419 | 0.0357 | 0.0542 | 0.0006 |
| Vanadium-D | mg/L | 0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Zinc-D | mg/L | 25 | <0.01 | <0.01 | <0.01 | <0.01 |
| Iron-T | mg/L | — | 0.04 | 0.04 | 0.29 | 0.07 |
| Manganese-T | mg/L | — | 0.25 | 0.04 | <0.01 | 0.14 |
| Gross Alpha - minus U - Calculated | pCi/L | — | | | | |
| Gross Alpha - Unadjusted | pCi/L | — | | | | |
| Gross Alpha precision (±) | pCi/L | — | | | | |
| Gross Alpha MDC | pCi/L | — | 3.3 | 1.9 | 2.0 | 1.7 |
| Gross Beta | pCi/L | — | 27.0 | 16.7 | 9.5 | 4.9 |
| Gross Beta precision (±) | pCi/L | — | | | | |
| Gross Beta MDC | pCi/L | — | 4.4 | 2.7 | 2.6 | 2.6 |
| Radium 226 | pCi/L | — | 1.1 | 0.47 | 0.39 | 0.64 |
| Radium 226 precision (±) | pCi/L | — | | | | |
| Radium 226 MDC | pCi/L | — | 0.16 | 0.17 | 0.17 | 0.17 |
| Radium 228 | pCi/L | — | 5.4 | 1.5 | 0.5 | 0.9 |
| Radium 228 precision (±) | pCi/L | — | | | | |
| Radium 228 MDC | pCi/L | — | 1.6 | 1.7 | 1.9 | 1.8 |
| Combined Total Radium 226 and Radium 228 (Calculated) | pCi/L | 5 | | | | |

* Duplicate sample

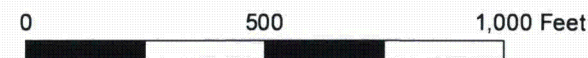
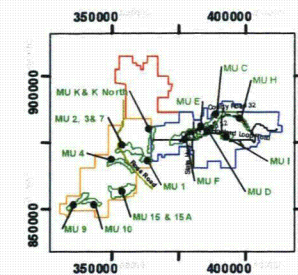
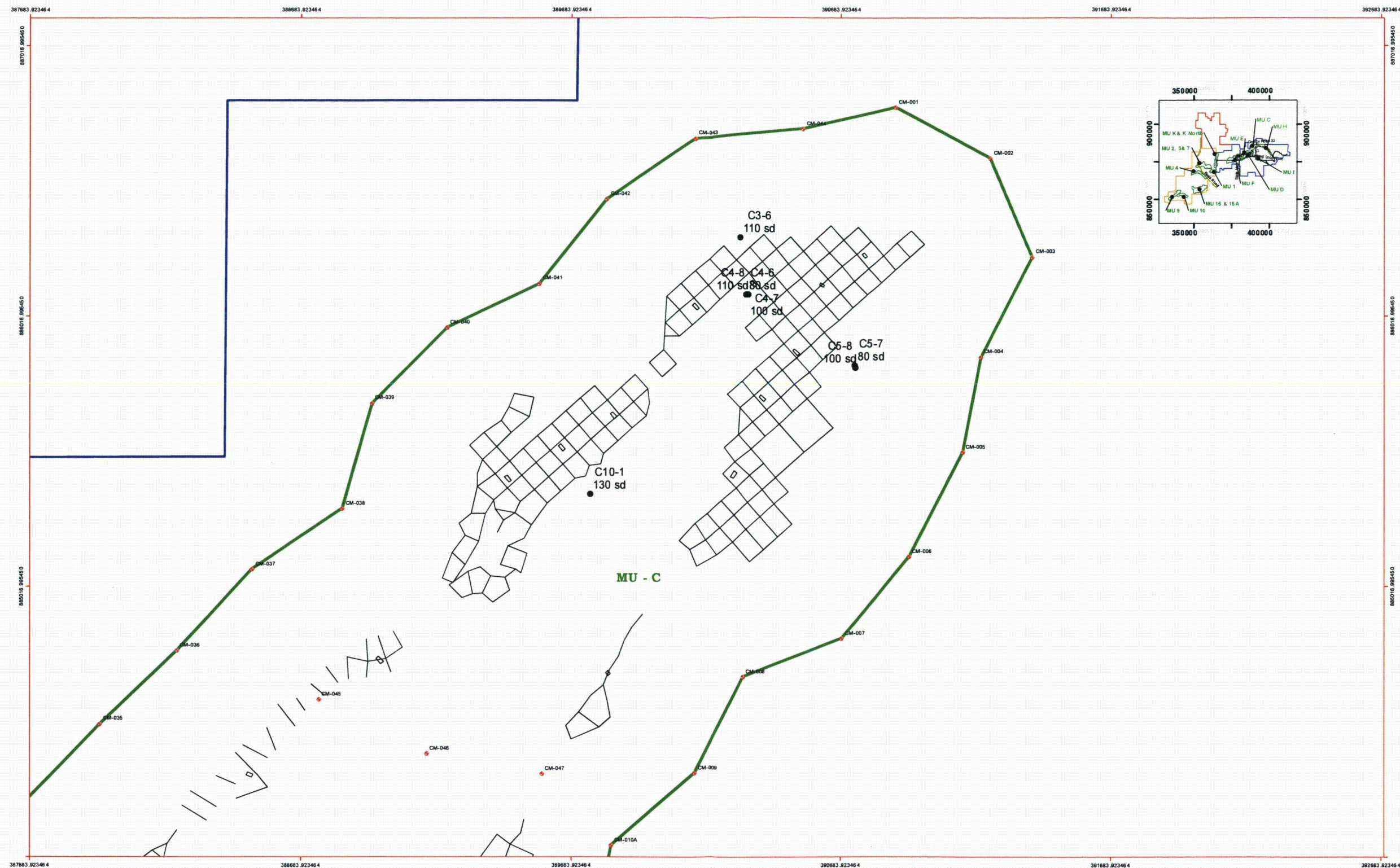
F-Wellfield_NEW
Table 10

| Well ID | | WYDEQ | F20-1 | F26-2 | F26-3 | F29-2 | F29-3 |
|---|----------|-----------|------------------|-----------------|-----------------|------------------|------------------|
| Job Number | | Class III | C13060647-002 | C13060647-006 | C13060647-005 | C13060647-003 | C13060647-001 |
| Sample Date/Time | | Livestock | 6/17/13 11:59 AM | 6/17/13 4:08 PM | 6/17/13 2:27 PM | 6/17/13 12:38 PM | 6/17/13 10:57 AM |
| HSU | | Standard | 120 | 110 | 120 | 110 | 120 |
| Alkalinity, Total as CaCO3 | mg/L | — | 230 | 152 | 278 | 158 | 263 |
| Carbonate as CO3 | mg/L | — | <5 | <5 | <5 | <5 | <5 |
| Bicarbonate as HCO3 | mg/L | — | 281 | 186 | 339 | 193 | 321 |
| Calcium | mg/L | — | 99 | 113 | 346 | 112 | 214 |
| Chloride | mg/L | 2000 | 21 | 10 | 11 | 7 | 7 |
| Fluoride | mg/L | — | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 |
| Magnesium | mg/L | — | 16 | 21 | 58 | 16 | 37 |
| Nitrogen, Ammonia as N | mg/L | — | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Nitrogen, Nitrate+Nitrite as N | mg/L | 100 | 0.7 | 0.3 | 0.2 | <0.1 | <0.1 |
| Potassium | mg/L | — | 8 | 9 | 15 | 9 | 10 |
| Silica | mg/L | — | 16.1 | 14.8 | 20.2 | 15.4 | 21.3 |
| Sodium | mg/L | — | 119 | 78 | 99 | 87 | 82 |
| Sulfate | mg/L | 3000 | 293 | 361 | 974 | 401 | 564 |
| Conductivity @ 25 C | umhos/cm | — | 1040 | 953 | 1990 | 1020 | 1460 |
| pH | s.u. | 6.5-8.5 | 7.66 | 7.76 | 7.28 | 7.68 | 7.54 |
| Solids, Total Dissolved TDS @ 180 C | mg/L | 5000 | 728 | 696 | 1770 | 769 | 1160 |
| Aluminum-D | mg/L | 5 | <0.1 | <0.1 | <0.1 | <0.1 | 0.1 |
| Antimony-D | mg/L | — | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Arsenic-D | mg/L | 0.2 | 0.002 | 0.002 | 0.003 | 0.002 | 0.006 |
| Barium-D | mg/L | — | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Beryllium-D | mg/L | — | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Boron-D | mg/L | 5 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Cadmium-D | mg/L | 0.05 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 |
| Chromium-D | mg/L | 0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Copper-D | mg/L | 0.5 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| Iron-D | mg/L | — | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 |
| Lead-D | mg/L | 0.1 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Manganese-D | mg/L | — | 0.14 | 0.04 | 0.33 | 0.03 | 0.07 |
| Mercury-D | mg/L | 0.00005 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Molybdenum-D | mg/L | — | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Nickel-D | mg/L | — | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Selenium-D | mg/L | 0.05 | 0.044 | <0.001 | 0.032 | 0.002 | 0.016 |
| Thallium-D | mg/L | — | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| Uranium-D | mg/L | — | 0.0980 | 0.0300 | 0.0631 | 0.0357 | 0.0502 |
| Vanadium-D | mg/L | 0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Zinc-D | mg/L | 25 | <0.01 | <0.01 | <0.01 | 0.01 | <0.01 |
| Iron-T | mg/L | — | 0.05 | 0.16 | <0.03 | <0.03 | 109 |
| Manganese-T | mg/L | — | 0.14 | 0.04 | 0.34 | 0.03 | 2.32 |
| Gross Alpha - minus U - Calculated | pCi/L | — | | | | | |
| Gross Alpha - Unadjusted | pCi/L | — | | | | | |
| Gross Alpha precision (±) | pCi/L | — | | | | | |
| Gross Alpha MDC | pCi/L | — | 3.2 | 2.7 | 5.7 | 2.7 | 4.7 |
| Gross Beta | pCi/L | — | 20.8 | 10.1 | 26.7 | 13.4 | 12.7 |
| Gross Beta precision (±) | pCi/L | — | | | | | |
| Gross Beta MDC | pCi/L | — | 3.5 | 3.1 | 8.5 | 3.3 | 5.6 |
| Radium 226 | pCi/L | — | 0.68 | 0.63 | 1.5 | 0.27 | 0.23 |
| Radium 226 precision (±) | pCi/L | — | | | | | |
| Radium 226 MDC | pCi/L | — | 0.20 | 0.18 | 0.19 | 0.19 | 0.18 |
| Radium 228 | pCi/L | — | 1.4 | 0.9 | 6.1 | 0.8 | 0.6 |
| Radium 228 precision (±) | pCi/L | — | | | | | |
| Radium 228 MDC | pCi/L | — | 1.5 | 1.2 | 1.5 | 1.4 | 1.3 |
| Combined Total Radium 226 and Radium 228 (Calculated) | pCi/L | 5 | | | | | |

* Duplicate sample

| Well ID | | WYDEQ | Duplicate F3-1 C13040333-003 | Duplicate C11-5 C13060098-005 | Duplicate C5-7 C13060382-007 | Duplicate F16-2 C13050737-009 |
|---|----------|-----------|---------------------------------|----------------------------------|---------------------------------|----------------------------------|
| Job Number | | Class III | | | | |
| Sample Date/Time | | Livestock | 4/8/13 12:00 AM | 6/3/13 3:00 PM | 6/10/13 12:00 AM | 5/19/13 12:00 AM |
| HSU | | Standard | 130 | 130 | 80 | 140 |
| Alkalinity, Total as CaCO3 | mg/L | — | 230 | 279 | 79 | 198 |
| Carbonate as CO3 | mg/L | — | <5 | <5 | <5 | <5 |
| Bicarbonate as HCO3 | mg/L | — | 280 | 341 | 94 | 242 |
| Calcium | mg/L | — | 87 | 135 | 23 | 69 |
| Chloride | mg/L | 2000 | 6 | 23 | 11 | 7 |
| Fluoride | mg/L | — | 0.2 | 0.2 | 0.3 | 0.3 |
| Magnesium | mg/L | — | 13 | 33 | 3 | 14 |
| Nitrogen, Ammonia as N | mg/L | — | <0.05 | 0.15 | 0.06 | <0.05 |
| Nitrogen, Nitrate+Nitrite as N | mg/L | 100 | 1.2 | <0.1 | <0.1 | 1.2 |
| Potassium | mg/L | — | 8 | 7 | 3 | 6 |
| Silica | mg/L | — | 16.6 | 16.7 | 9.2 | 15.4 |
| Sodium | mg/L | — | 84 | 80 | 123 | 63 |
| Sulfate | mg/L | 3000 | 220 | 329 | 226 | 133 |
| Conductivity @ 25 C | umhos/cm | — | 872 | 1120 | 695 | 658 |
| pH | s.u. | 6.5-8.5 | 7.55 | 7.06 | 8.95 | 7.57 |
| Solids, Total Dissolved TDS @ 180 C | mg/L | 5000 | 598 | 829 | 443 | 439 |
| Aluminum-D | mg/L | 5 | <0.1 | <0.1 | <0.1 | <0.1 |
| Antimony-D | mg/L | — | <0.001 | <0.001 | <0.001 | <0.001 |
| Arsenic-D | mg/L | 0.2 | <0.001 | 0.002 | <0.001 | <0.001 |
| Barium-D | mg/L | — | <0.1 | <0.1 | <0.1 | <0.1 |
| Beryllium-D | mg/L | — | <0.001 | <0.001 | <0.001 | <0.001 |
| Boron-D | mg/L | 5 | <0.1 | <0.1 | <0.1 | <0.1 |
| Cadmium-D | mg/L | 0.05 | <0.005 | <0.005 | <0.005 | <0.005 |
| Chromium-D | mg/L | 0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Copper-D | mg/L | 0.5 | <0.01 | <0.01 | <0.01 | <0.01 |
| Iron-D | mg/L | — | <0.03 | 1.40 | <0.03 | <0.03 |
| Lead-D | mg/L | 0.1 | <0.001 | <0.001 | <0.001 | <0.001 |
| Manganese-D | mg/L | — | <0.01 | 0.32 | <0.01 | <0.01 |
| Mercury-D | mg/L | 0.00005 | <0.001 | <0.001 | <0.001 | <0.001 |
| Molybdenum-D | mg/L | — | <0.1 | <0.1 | <0.1 | <0.1 |
| Nickel-D | mg/L | — | <0.05 | <0.05 | <0.05 | <0.05 |
| Selenium-D | mg/L | 0.05 | 0.060 | 0.001 | <0.001 | 0.057 |
| Thallium-D | mg/L | — | <0.001 | <0.001 | <0.001 | <0.001 |
| Uranium-D | mg/L | — | 0.0432 | 0.0084 | <0.0003 | 0.0745 |
| Vanadium-D | mg/L | 0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Zinc-D | mg/L | 25 | <0.01 | <0.01 | 0.01 | <0.01 |
| Iron-T | mg/L | — | <0.03 | 4.26 | 2.94 | <0.03 |
| Manganese-T | mg/L | — | <0.01 | 0.32 | 0.03 | <0.01 |
| Gross Alpha - minus U - Calculated | pCi/L | | | | | |
| Gross Alpha - Unadjusted | pCi/L | — | | | | |
| Gross Alpha precision (±) | pCi/L | — | | | | |
| Gross Alpha MDC | pCi/L | — | 2.5 | 2.7 | 1.6 | 1.6 |
| Gross Beta | pCi/L | — | 10.1 | 7.5 | 1.9 | 25.7 |
| Gross Beta precision (±) | pCi/L | — | | | | |
| Gross Beta MDC | pCi/L | — | 3.0 | 3.9 | 2.7 | 4.0 |
| Radium 226 | pCi/L | — | 0.33 | 0.57 | 0.10 | 0.39 |
| Radium 226 precision (±) | pCi/L | — | | | | |
| Radium 226 MDC | pCi/L | — | 0.16 | 0.17 | 0.16 | 0.15 |
| Radium 228 | pCi/L | — | 0.01 | 1.1 | 0.05 | 0.6 |
| Radium 228 precision (±) | pCi/L | — | | | | |
| Radium 228 MDC | pCi/L | — | 2.2 | 1.6 | 1.1 | 1.6 |
| Combined Total Radium 226 and Radium 228 (Calculated) | pCi/L | 5 | | | | |

* Duplicate sample



Coordinate System: NAD 1983 StatePlane Wyoming East FIPS 4901
 Projection: Transverse Mercator
 Datum: North American 1927
 False Easting: 500,000.0000
 False Northing: 0.0000
 Central Meridian: -105.1667
 Scale Factor: 0.9999
 Latitude of Origin: 40.6667
 Units: Feet US

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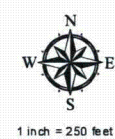


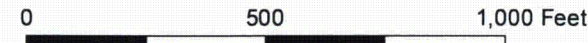
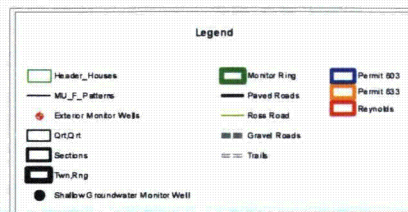
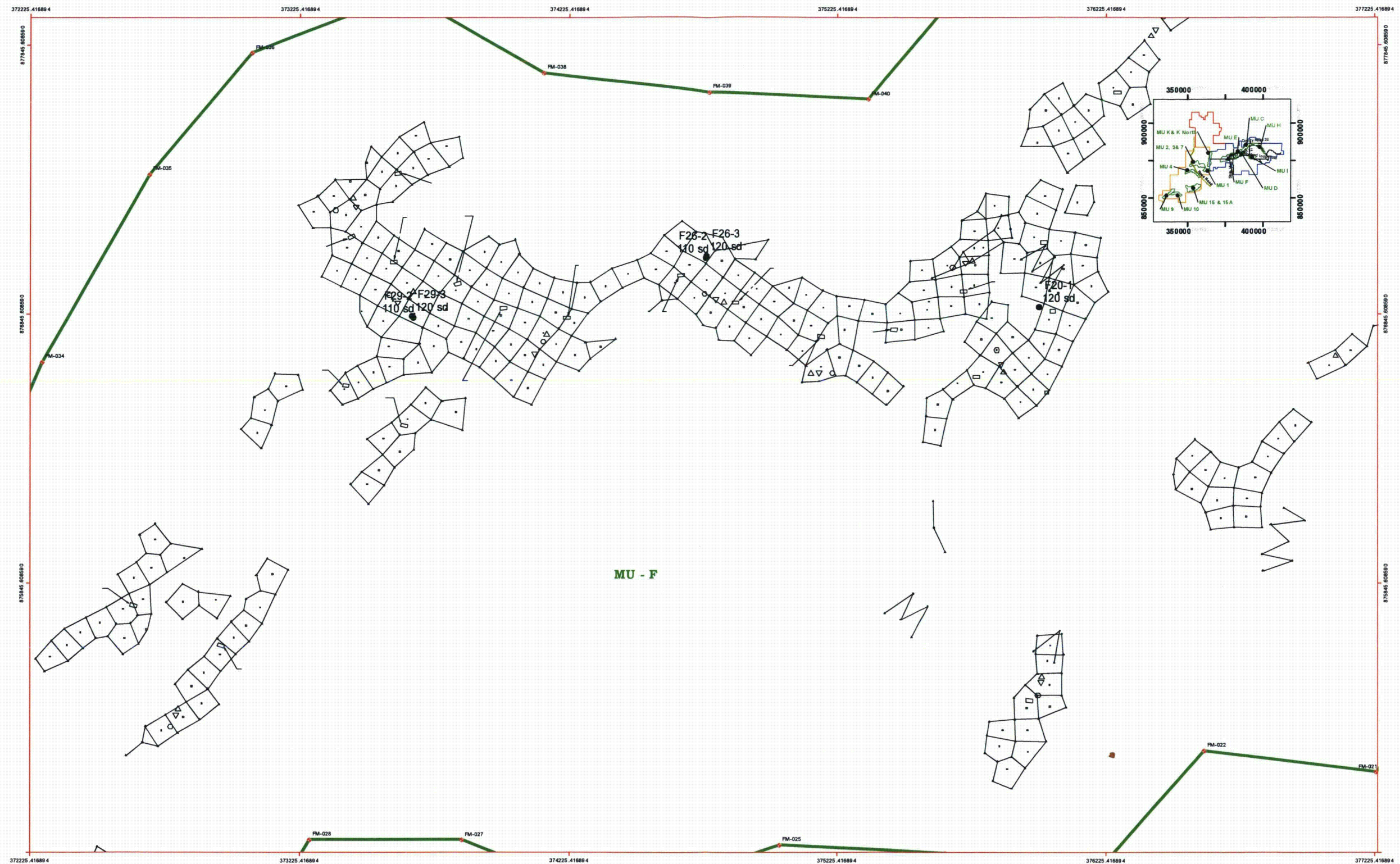
Cameco Resources
 Smith Ranch-Highland Operation

Date: 10/10/2013

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Figure 1
 C-Wellfield
 Shallow Groundwater Monitor Wells 2013





Coordinate System: NAD 1983 StatePlane Wyoming East FIPS 5001
 Projection: Transverse Mercator
 Datum: North American 1927
 False Easting: 500,000.0000
 False Northing: 0.0000
 Central Meridian: -108.1667
 Scale Factor: 0.9999
 Latitude Of Origin: 40.6667
 Units: Feet US

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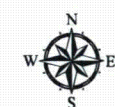


Cameco Resources
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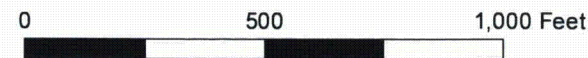
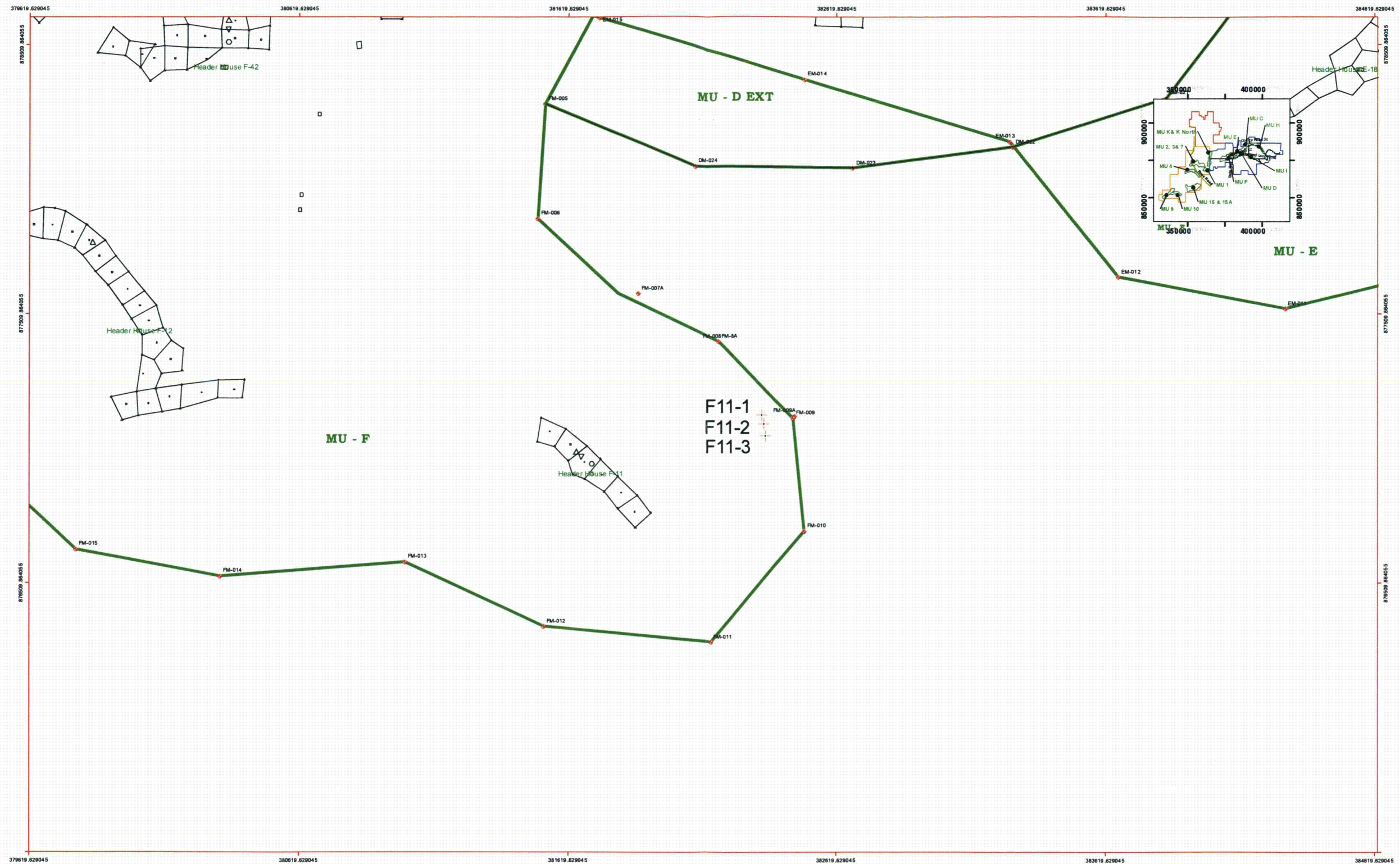
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Figure 2
 F-Wellfield
 Shallow Groundwater Monitor Wells 2013



1 inch = 250 feet



Coordinate System: NAD 1983 StatePlane Wyoming East FIPS 4901
 Projection: Transverse Mercator
 Datum: North American 1983
 Prime Meridian: 105.00000000
 False Easting: 500,000.0000
 False Northing: 0.0000
 Central Meridian: -105.1667
 Scale Factor: 0.9999
 Latitude of Origin: 40.6667
 Units: Feet US

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Cameco Resources
 Smith Ranch-Highland Operation

Figure 3
 F11 Header House
 Planned Shallow Groundwater Monitor Wells



Date: 9/12/2013

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