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**LOST CREEK ISR, LLC****WYOMING OFFICE**

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April 28, 2016

Brian Wood
State of Wyoming Department of Environmental Quality
Land Quality Division
510 Meadowview Drive
Lander, WY 82520

**Re: Quarterly Report for 1st Quarter 2016 for the Lost Creek ISR Project
Permit #788 (BLM WYW-166318)**

Dear Mr. Wood,

This Quarterly Report for the first calendar quarter of 2016 for the Lost Creek ISR Project has been submitted pursuant to Wyoming Department of Environmental Quality - Land Quality Division (LQD) Rules and Regulations Chapter 11 Section 15(b) to provide a summary of:

- *Mechanical Integrity Testing (Ch11 Sect 15(b)(ii)).*
- *Wellfield Monitoring and Water Quality (Ch11 Sect 14).*

Mechanical Integrity Testing

A total of 14 Mechanical Integrity Tests (MIT) were performed on a total of 14 wells in accordance with the approved Permit Operations Plan Section 3.4. Results are summarized on **Attachment 1**. The MITs resulted in 12 successful tests with 2 failures. One well (MU-104A) was abandoned and the other (11551A) is to be abandoned.

Wellfield Monitoring

Wellfield injection and production in Mine Unit 1 continued throughout the quarter with twelve (12) header houses in operation as of the end of the first quarter. Lixiviant was generated by the addition of sodium carbonate (NaCO_3 or "soda ash") solution, carbon dioxide (CO_2), and oxygen (O_2) to the injection stream.

The injection rates and pressures for each header house manifold are provided on **Attachment 2**. Additionally, production flow (PC), injection flow (IC), bleed values, and number of wells injecting are also represented. The bleed rate percentage is calculated by dividing the bleed rate by the production rate and multiplying by 100. Main bleed is diverted in a metered line directly from the injection circuit line. Bleed water is disposed of by approved means in the waste water stream and not reintroduced into circulation.

Lost Creek ISR, LLC is a wholly-owned subsidiary of Ur-Energy Inc.

TSX: URE

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Groundwater level data collected from Mine Unit 1 (MU1) and regional monitoring wells is included on **Attachment 3**. Water levels for MU1 were measured semi-monthly in conjunction with routine excursion groundwater sampling for the ring, overlying, and underlying monitor wells. Quarterly water levels were collected from regional wells (“LC” and “MB” wells). Water levels for “MO” and “MU” wells were relatively stable during the quarter and larger but typical fluctuation in levels occurred at the “M” (ring) wells since they are more directly affected by water balance in the wellfield.

Data results from routine groundwater quality monitoring analysis and associated quality control (QC) is included as **Attachment 4**. Excursion monitoring parameters include alkalinity, chloride, and specific conductance for which associated Upper Control Limits (UCLs) have been established by well group (i.e. ring, overlying, and underlying wells). As described in the Permit Operations Plan Section 3.6.4, an excursion may be indicated by any one analytical parameter result exceeding the associated UCL by 20% or more or by two or three results exceeding the applicable UCL. The MU1 monitor wells were sampled routinely which includes 28 monitor ring wells, 26 mine unit wells (13 overlying and 13 underlying), and 2 regional DE zone wells. Sampling for operational monitoring was conducted in MU1 on a semi-monthly basis with each event at least 10 days apart. The table displays the analytical result, the applicable UCL value, and the percent difference. A negative percent difference indicates the analytical value is less than the UCL. The percent difference (or percent change) is determined by the following formula:

$$\% \text{ Difference} = \frac{\text{Result} - \text{UCL}}{\text{UCL}} \times 100$$

None of the analytical results exceeded the associated UCL during the quarter.

As a result of an investigation into the former excursion at MU-104, it was confirmed that the cement around the casing of MU-104 was improperly completed. Well MU-104 was plugged and abandoned and MU-104A was installed as a replacement on January 6, 2016. During sampling attempts, the well recharge rate was very low in MU-104A and a workover was performed on January 25 to remove extraneous cement in the wellbore by underreaming. However, the underream tool had broken during the workover. Based on the failed MIT on January 28, it was discovered that the broken underream tool had likely damaged the casing upon withdrawal of the tool. Therefore, well MU-104A was plugged and abandoned on January 29 and well MU-104B was installed on February 8, 2016 as a replacement.

Samples for UCL monitoring were collected from MU-104A following the well installation on January 12, 18, and 20 but sample results indicated contamination by cement and the data was rejected (due to higher alkalinity, higher pH, and no chloride detected). Following the well workover and additional groundwater development, a successful sample was collected from MU-104A on January 28, 2016 prior to the well abandonment. Following the installation and development of MU-104B, a sample was collected on February 12 which passed the UCL criteria and another sample collected during the normal sampling routine on February 16. Therefore, during the replacement process of MU-104, a routine sampling event was missed for the first half

of January and for the first half of February. However, the water quality results throughout the replacement process demonstrate no excursion in the area of MU-104.

Samples were not collected from the regional DE horizon wells LC29M and MB-10 due to lack of water in the well.

If you have any questions regarding this submittal please feel free to contact me at the Casper Office.

Sincerely,



Michael D. Gaither
Manager EHS and Regulatory Affairs
Ur-Energy USA, Inc.

Attachments: **Attachment 1: Mechanical Integrity Testing**
Attachment 2: Operational Flow Summary
Attachment 3: Groundwater Level Measurement Data
Attachment 4: MU1 Water Quality Data

Cc: Mr. Mark Newman, BLM Rawlins Field Office
Mr. John Saxton, NRC (via e-mail)
Ms. Theresa Horne, Ur-Energy, Littleton Office (via e-mail)

Attachment 1: Mechanical Integrity Testing
1st Quarter 2016
Lost Creek ISR Project PT788

	Well ID	Well Type	MIT ⁽¹⁾ Date	P/F	P&A ⁽²⁾ Date	Comments
1	1I436	I	2/7/2016	Pass	na	
2	1I480A	I	2/4/2016	Pass	na	
3	1I483	I	3/9/2016	Pass	na	
4	1I483A	I	3/9/2016	Pass	na	
5	1I551A	I	3/28/2016	Fail	TBA	Was swabbed and retested, still failed.
6	1P224	P	2/26/2016	Pass	na	
7	1P281	P	2/26/2016	Pass	na	
8	MP-109	M	2/12/2016	Pass	na	
9	MP-501	M	1/19/2016	Pass	na	
10	MP-502	M	1/19/2016	Pass	na	
11	MP-503	M	1/19/2016	Pass	na	
12	MU-104A	M	1/9/2016	Pass	na	
13	MU-104A	M	1/28/2016	Fail	1/29/2016	Casing damaged during workover
14	MU-104B	M	2/15/2016	Pass	na	

14 Total MITs
12 Pass
2 Fails
14 Wells Tested
2 Net Failed Wells

(1) MIT method for "Monitoring Wells" as described in WDEQ Permit #788 Operations Plan Section 3.4. Test performed by using packer(s) to isolate casing and then pressurize well.

(2) Plugging and abandonment (P&A) according to WDEQ Permit #788 Reclamation Plan Section 3.1

TBA: To be abandoned

I: Class III Injection Well

P: Production Well

M: Monitor Well

Attachment 2: Plant Operational Flow Summary
1st Quarter 2016
Lost Creek ISR Project PT788

Date	Production Flow Rate (avg gpm)	Injection Flow Rate (avg gpm)	Main Bleed Flow Rate (avg gpm)	Alternate Bleed* (equiv. gpm)	Total Bleed Rate (%)	Comments
1/1/2016	1968	1958	10.9	---	0.56%	
1/2/2016	1971	1959	11.0	---	0.56%	
1/3/2016	2028	2017	11.4	---	0.56%	
1/4/2016	2031	2021	11.4	---	0.56%	
1/5/2016	2019	2008	11.4	---	0.56%	
1/6/2016	1756	1768	10.2	---	0.58%	
1/7/2016	1983	1973	11.4	---	0.58%	
1/8/2016	1975	1963	11.2	---	0.57%	
1/9/2016	1948	1936	11.1	---	0.57%	
1/10/2016	1850	1838	10.5	---	0.57%	
1/11/2016	1873	1866	10.4	---	0.56%	
1/12/2016	1888	1881	10.6	---	0.56%	
1/13/2016	1953	1945	10.8	---	0.55%	
1/14/2016	1980	1962	11.6	---	0.58%	
1/15/2016	1992	1981	11.6	---	0.58%	
1/16/2016	1909	1900	11.1	---	0.58%	
1/17/2016	1888	1879	10.8	---	0.57%	
1/18/2016	1954	1946	11.1	---	0.57%	
1/19/2016	1963	1955	11.2	---	0.57%	
1/20/2016	1953	1944	11.2	---	0.57%	
1/21/2016	1935	1925	11.3	---	0.59%	
1/22/2016	1900	1891	11.4	---	0.60%	
1/23/2016	1897	1888	11.3	---	0.60%	
1/24/2016	1875	1866	11.2	---	0.60%	
1/25/2016	1842	1834	10.5	---	0.57%	
1/26/2016	1830	1823	10.5	---	0.58%	
1/27/2016	1814	1808	9.7	1.0	0.59%	
1/28/2016	1848	1842	9.0	1.4	0.56%	
1/29/2016	1857	1852	9.2	1.4	0.50%	
1/30/2016	1849	1842	10.7	---	0.58%	
1/31/2016	1835	1827	10.6	---	0.58%	
2/1/2016	1824	1815	10.4	---	0.57%	
2/2/2016	1823	1815	10.5	---	0.58%	
2/3/2016	1796	1787	10.3	---	0.57%	
2/4/2016	1797	1788	10.4	---	0.58%	
2/5/2016	1791	1783	10.6	---	0.59%	
2/6/2016	1788	1780	10.6	---	0.59%	
2/7/2016	1777	1770	10.5	---	0.59%	
2/8/2016	1807	1800	9.1	1.0	0.56%	
2/9/2016	1706	1749	9.3	---	0.55%	
2/10/2016	1869	1863	8.9	1.8	0.58%	
2/11/2016	1873	1867	9.0	1.4	0.56%	
2/12/2016	1848	1843	9.8	---	0.53%	
2/13/2016	1801	1796	10.3	---	0.57%	
2/14/2016	1792	1788	10.4	---	0.58%	
2/15/2016	1786	1784	9.5	---	0.53%	
2/16/2016	1772	1770	9.2	---	0.52%	
2/17/2016	1776	1773	9.7	---	0.55%	
2/18/2016	1753	1780	9.3	---	0.53%	
2/19/2016	1829	1824	9.7	---	0.53%	
2/20/2016	1800	1795	10.5	---	0.58%	

Attachment 2: Plant Operational Flow Summary
1st Quarter 2016
Lost Creek ISR Project PT788

Date	Production Flow Rate (avg gpm)	Injection Flow Rate (avg gpm)	Main Bleed Flow Rate (avg gpm)	Alternate Bleed* (equiv. gpm)	Total Bleed Rate (%)	Comments
2/21/2016	1777	1773	10.2	---	0.58%	
2/22/2016	1794	1790	9.4	---	0.52%	
2/23/2016	1789	1783	8.8	1.2	0.56%	
2/24/2016	1781	1776	9.4	---	0.53%	
2/25/2016	1796	1791	9.6	---	0.53%	
2/26/2016	1791	1786	10.3	---	0.58%	
2/27/2016	1763	1758	10.2	---	0.58%	
2/28/2016	1757	1751	10.2	---	0.58%	
2/29/2016	1744	1737	10.3	---	0.59%	
3/1/2016	1527	1549	8.5	---	0.56%	
3/2/2016	1750	1746	9.8	---	0.56%	
3/3/2016	1744	1737	10.1	---	0.58%	
3/4/2016	1766	1759	10.1	---	0.57%	
3/5/2016	1754	1747	10.0	---	0.57%	
3/6/2016	1733	1725	9.9	---	0.57%	
3/7/2016	1759	1753	10.2	---	0.58%	
3/8/2016	1848	1841	10.6	---	0.57%	
3/9/2016	1839	1834	9.2	1.5	0.58%	
3/10/2016	1843	1838	7.5	3.2	0.58%	
3/11/2016	1880	1877	6.5	4.2	0.57%	
3/12/2016	1807	1794	10.4	---	0.57%	
3/13/2016	1861	1847	10.9	---	0.58%	
3/14/2016	1844	1842	8.7	2.2	0.59%	
3/15/2016	1835	1832	10.6	---	0.58%	
3/16/2016	1846	1845	6.5	4.3	0.58%	
3/17/2016	1895	1890	8.6	2.2	0.57%	
3/18/2016	1885	1876	11.0	---	0.58%	
3/19/2016	1861	1852	10.9	---	0.58%	
3/20/2016	1845	1836	10.7	---	0.58%	
3/21/2016	1858	1848	10.7	---	0.58%	
3/22/2016	1904	1896	8.4	2.4	0.57%	
3/23/2016	1899	1890	10.8	---	0.57%	
3/24/2016	1917	1911	5.8	4.3	0.53%	
3/25/2016	1901	1890	11.2	---	0.59%	
3/26/2016	1876	1865	10.9	---	0.58%	
3/27/2016	1868	1857	11.0	---	0.59%	
3/28/2016	1865	1854	10.0	---	0.54%	
3/29/2016	1844	1835	10.8	---	0.58%	
3/30/2016	1822	1815	10.5	---	0.58%	
3/31/2016	1813	1805	10.5	---	0.58%	

NOTE: Flow rates are normalized to a 24 hr period.

gpm: gallons per minute

*Wellfield swab water discharge to ponds - volume converted to equivalent flow rate

Attachment 2: HH1-1 Flow Summary
1st Quarter 2016
Lost Creek ISR Project PT788

Date	Manifold Injection Flow Rate (gpm)	Manifold Injection Pressure* (psi)	Manifold Production Flow Rate (gpm)	Number of Wells Injecting	Number of Wells Producing	Comments
1/1/2016	60	102	100	38	11	
1/2/2016	60	102	97	38	11	
1/3/2016	60	102	105	38	11	
1/4/2016	57	102	105	38	11	
1/5/2016	57	102	105	38	11	
1/6/2016	57	102	105	38	11	
1/7/2016	59	102	105	38	11	
1/8/2016	59	102	115	38	11	
1/9/2016	59	102	114	38	11	
1/10/2016	58	102	112	38	11	
1/11/2016	58	102	111	38	11	
1/12/2016	63	102	109	38	11	
1/13/2016	63	102	109	38	11	
1/14/2016	66	102	111	39	11	
1/15/2016	66	102	115	39	11	
1/16/2016	66	102	121	38	11	
1/17/2016	62	102	114	38	11	
1/18/2016	62	102	121	38	11	
1/19/2016	61	102	121	38	11	
1/20/2016	61	102	105	38	11	
1/21/2016	61	102	105	38	11	
1/22/2016	61	102	105	38	11	
1/23/2016	61	102	105	38	11	
1/24/2016	61	102	117	38	11	
1/25/2016	61	102	116	38	11	
1/26/2016	61	102	118	38	11	
1/27/2016	59	102	115	38	11	
1/28/2016	61	102	105	38	11	
1/29/2016	61	102	108	38	11	
1/30/2016	61	102	109	38	11	
1/31/2016	61	102	109	38	11	
2/1/2016	61	102	121	38	11	
2/2/2016	61	102	120	38	11	
2/3/2016	61	102	120	38	11	
2/4/2016	61	102	120	38	11	
2/5/2016	61	102	119	38	11	
2/6/2016	61	102	119	38	11	
2/7/2016	61	102	119	38	11	
2/8/2016	61	102	119	38	11	
2/9/2016	61	102	120	38	11	
2/10/2016	61	102	122	38	11	
2/11/2016	60	102	121	38	11	
2/12/2016	60	102	123	38	11	
2/13/2016	60	102	122	38	11	
2/14/2016	60	102	122	38	11	
2/15/2016	60	102	122	38	11	
2/16/2016	60	102	122	38	11	
2/17/2016	60	102	117	38	11	
2/18/2016	61	102	128	38	11	
2/19/2016	61	102	127	38	11	

Attachment 2: HH1-1 Flow Summary
1st Quarter 2016
Lost Creek ISR Project PT788

Date	Manifold Injection Flow Rate (gpm)	Manifold Injection Pressure* (psi)	Manifold Production Flow Rate (gpm)	Number of Wells Injecting	Number of Wells Producing	Comments
2/20/2016	77	102	126	38	11	
2/21/2016	77	102	125	38	11	
2/22/2016	77	102	125	38	11	
2/23/2016	77	102	125	38	11	
2/24/2016	77	102	125	38	11	
2/25/2016	76	102	119	38	12	
2/26/2016	76	102	119	38	10	
2/27/2016	76	102	117	38	10	
2/28/2016	76	102	119	38	10	
2/29/2016	76	102	116	38	10	
3/1/2016	76	102	116	38	10	
3/2/2016	76	102	116	38	10	
3/3/2016	80	102	113	38	9	
3/4/2016	78	102	114	38	9	
3/5/2016	90	102	116	38	9	
3/6/2016	92	102	114	38	9	
3/7/2016	88	102	117	38	9	
3/8/2016	88	102	117	38	9	
3/9/2016	88	102	117	38	9	
3/10/2016	88	102	117	38	9	
3/11/2016	88	102	117	38	9	
3/12/2016	88	102	115	38	9	
3/13/2016	96	102	114	38	9	
3/14/2016	94	102	112	38	9	
3/15/2016	95	102	116	38	9	
3/16/2016	95	102	115	38	9	
3/17/2016	95	102	115	38	9	
3/18/2016	95	102	115	38	9	
3/19/2016	95	102	115	38	9	
3/20/2016	95	102	115	38	9	
3/21/2016	92	102	113	38	9	
3/22/2016	91	102	116	38	9	
3/23/2016	91	102	115	38	9	
3/24/2016	91	102	115	38	9	
3/25/2016	91	102	115	38	9	
3/26/2016	91	102	111	38	9	
3/27/2016	91	102	113	38	9	
3/28/2016	91	102	114	38	9	
3/29/2016	91	102	114	38	9	
3/30/2016	91	102	111	38	9	
3/31/2016	91	102	113	38	9	

* Manifold pressure is not indicative of actual well pressures. Flows to wells are throttled on an individual basis at each stub to keep injection pressure below the rated fracture pressure for the well.
gpm: gallons per minute
psi: pounds per square inch
N/A: Data not available

Attachment 2: HH1-2 Flow Summary
1st Quarter 2016
Lost Creek ISR Project PT788

Date	Manifold Injection Flow Rate (gpm)	Manifold Injection Pressure* (psi)	Manifold Production Flow Rate (gpm)	Number of Wells Injecting	Number of Wells Producing	Comments
1/1/2016	61	97	66	43	7	
1/2/2016	60	96	67	43	7	
1/3/2016	58	96	70	43	7	
1/4/2016	63	96	72	43	7	
1/5/2016	63	96	71	43	7	
1/6/2016	62	96	71	43	7	
1/7/2016	63	96	73	43	7	
1/8/2016	60	94	69	43	7	
1/9/2016	64	96	70	43	7	
1/10/2016	63	96	70	43	7	
1/11/2016	58	96	65	43	7	
1/12/2016	67	96	74	43	7	
1/13/2016	66	96	73	43	7	
1/14/2016	65	96	78	43	7	
1/15/2016	64	94	76	43	7	
1/16/2016	64	97	65	43	7	
1/17/2016	65	95	80	43	7	
1/18/2016	66	96	80	43	7	
1/19/2016	63	96	85	43	7	
1/20/2016	63	97	84	43	7	
1/21/2016	63	96	83	43	7	
1/22/2016	63	97	82	43	7	
1/23/2016	62	97	81	43	7	
1/24/2016	62	96	81	43	7	
1/25/2016	62	97	78	43	7	
1/26/2016	61	96	80	43	7	
1/27/2016	61	96	81	43	7	
1/28/2016	62	96	81	43	7	
1/29/2016	62	96	87	43	7	
1/30/2016	61	95	87	43	7	
1/31/2016	61	95	85	43	7	
2/1/2016	61	96	85	43	7	
2/2/2016	61	96	84	43	7	
2/3/2016	61	96	85	43	7	
2/4/2016	60	95	84	43	7	
2/5/2016	60	96	84	43	7	
2/6/2016	60	96	82	43	7	
2/7/2016	60	96	82	43	7	
2/8/2016	60	96	81	43	7	
2/9/2016	60	96	83	43	7	
2/10/2016	60	95	84	43	7	
2/11/2016	63	95	85	43	7	
2/12/2016	63	96	86	43	7	
2/13/2016	63	96	85	43	7	
2/14/2016	63	97	82	43	7	
2/15/2016	62	96	80	43	7	
2/16/2016	62	96	79	43	7	
2/17/2016	62	96	79	43	7	
2/18/2016	62	96	83	43	6	
2/19/2016	63	96	80	43	6	

Attachment 2: HH1-2 Flow Summary
1st Quarter 2016
Lost Creek ISR Project PT788

Date	Manifold Injection Flow Rate (gpm)	Manifold Injection Pressure* (psi)	Manifold Production Flow Rate (gpm)	Number of Wells Injecting	Number of Wells Producing	Comments
2/20/2016	64	96	79	43	6	
2/21/2016	63	97	78	43	6	
2/22/2016	61	95	76	43	6	
2/23/2016	62	95	77	43	6	
2/24/2016	61	95	74	43	6	
2/25/2016	61	95	75	43	6	
2/26/2016	63	96	74	43	6	
2/27/2016	64	97	75	43	6	
2/28/2016	63	97	72	43	6	
2/29/2016	62	97	72	43	6	
3/1/2016	62	97	72	43	6	
3/2/2016	67	101	73	43	6	
3/3/2016	66	101	74	43	6	
3/4/2016	65	100	75	43	6	
3/5/2016	62	97	76	43	6	
3/6/2016	61	94	74	43	6	
3/7/2016	61	96	73	43	6	
3/8/2016	60	85	74	43	6	
3/9/2016	61	88	78	43	6	
3/10/2016	66	97	79	43	6	
3/11/2016	65	97	77	43	6	
3/12/2016	67	97	74	43	6	
3/13/2016	65	96	75	43	6	
3/14/2016	64	96	74	43	6	
3/15/2016	64	96	75	43	6	
3/16/2016	64	96	73	43	6	
3/17/2016	64	96	74	43	6	
3/18/2016	63	96	76	43	6	
3/19/2016	63	96	75	43	6	
3/20/2016	63	96	74	43	6	
3/21/2016	62	96	72	43	6	
3/22/2016	62	96	74	43	6	
3/23/2016	62	96	75	43	6	
3/24/2016	61	96	75	43	6	
3/25/2016	62	95	76	43	6	
3/26/2016	62	96	74	43	6	
3/27/2016	61	95	75	43	6	
3/28/2016	61	96	75	43	6	
3/29/2016	61	96	75	43	6	
3/30/2016	61	96	73	43	6	
3/31/2016	61	96	74	43	6	

* Manifold pressure is not indicative of actual well pressures. Flows to wells are throttled on an individual basis at each stub to keep injection pressure below the rated pressure for the well.

gpm: gallons per minute

psi: pounds per square inch

N/A: Data not available

Attachment 2: HH1-3 Flow Summary
1st Quarter 2016
Lost Creek ISR Project PT788

Date	Manifold Injection Flow Rate (gpm)	Manifold Injection Pressure* (psi)	Manifold Production Flow Rate (gpm)	Number of Wells Injecting	Number of Wells Producing	Comments
1/1/2016	79	101	75	51	4	
1/2/2016	76	101	74	51	4	
1/3/2016	79	101	77	51	4	
1/4/2016	81	101	78	51	4	
1/5/2016	81	101	78	51	4	
1/6/2016	81	101	78	51	4	
1/7/2016	81	101	78	51	4	
1/8/2016	79	101	76	51	4	
1/9/2016	78	101	79	51	4	
1/10/2016	80	101	78	51	4	
1/11/2016	79	101	77	51	4	
1/12/2016	100	101	84	51	4	
1/13/2016	99	101	83	51	5	
1/14/2016	150	101	87	51	5	
1/15/2016	150	101	118	51	5	
1/16/2016	100	101	114	51	5	
1/17/2016	102	101	110	48	5	
1/18/2016	148	101	115	48	5	
1/19/2016	146	101	115	48	5	
1/20/2016	146	99	115	48	5	
1/21/2016	146	98	115	48	5	
1/22/2016	145	99	114	48	5	
1/23/2016	144	99	113	48	5	
1/24/2016	145	98	113	48	5	
1/25/2016	142	98	109	48	6	
1/26/2016	140	98	108	48	5	
1/27/2016	141	98	109	48	5	
1/28/2016	139	97	109	47	3	
1/29/2016	137	98	69	48	4	
1/30/2016	137	98	84	48	4	
1/31/2016	137	98	83	48	4	
2/1/2016	137	99	83	48	4	
2/2/2016	137	99	83	48	4	
2/3/2016	136	98	82	48	4	
2/4/2016	135	98	82	48	4	
2/5/2016	135	98	82	48	4	
2/6/2016	135	98	81	48	4	
2/7/2016	135	98	81	48	4	
2/8/2016	135	99	80	48	4	
2/9/2016	134	98	81	48	5	
2/10/2016	135	98	93	48	5	
2/11/2016	138	98	91	48	5	
2/12/2016	139	98	92	48	5	
2/13/2016	138	98	91	48	5	
2/14/2016	137	99	90	48	5	
2/15/2016	137	98	89	48	5	
2/16/2016	132	100	89	48	5	
2/17/2016	132	100	88	48	5	
2/18/2016	139	98	98	48	5	
2/19/2016	143	97	101	48	5	

Attachment 2: HH1-3 Flow Summary
1st Quarter 2016
Lost Creek ISR Project PT788

Date	Manifold Injection Flow Rate (gpm)	Manifold Injection Pressure* (psi)	Manifold Production Flow Rate (gpm)	Number of Wells Injecting	Number of Wells Producing	Comments
2/20/2016	141	98	100	48	5	
2/21/2016	140	98	98	48	5	
2/22/2016	139	98	95	48	5	
2/23/2016	140	98	97	47	6	
2/24/2016	140	99	117	47	6	
2/25/2016	140	98	119	47	6	
2/26/2016	139	99	119	47	6	
2/27/2016	141	98	120	47	6	
2/28/2016	139	99	118	47	6	
2/29/2016	138	98	117	47	6	
3/1/2016	138	99	116	47	6	
3/2/2016	135	100	116	47	6	
3/3/2016	139	99	119	47	6	
3/4/2016	138	99	119	47	6	
3/5/2016	136	99	121	47	6	
3/6/2016	136	99	119	47	6	
3/7/2016	134	99	117	47	6	
3/8/2016	129	92	121	47	6	
3/9/2016	134	100	124	47	6	
3/10/2016	134	99	125	47	6	
3/11/2016	135	98	123	47	6	
3/12/2016	136	99	120	47	6	
3/13/2016	137	98	120	47	6	
3/14/2016	136	99	119	47	6	
3/15/2016	135	98	120	47	6	
3/16/2016	136	98	119	47	6	
3/17/2016	135	98	119	47	6	
3/18/2016	134	98	122	41	5	
3/19/2016	117	96	101	40	5	
3/20/2016	116	96	100	40	5	
3/21/2016	118	99	99	40	5	
3/22/2016	118	98	100	40	5	
3/23/2016	118	98	100	40	5	
3/24/2016	118	98	100	40	5	
3/25/2016	119	98	101	40	6	
3/26/2016	121	100	112	40	6	
3/27/2016	120	99	113	40	6	
3/28/2016	119	99	105	40	6	
3/29/2016	119	99	105	40	6	
3/30/2016	119	98	111	40	6	
3/31/2016	119	98	111	40	6	

* Manifold pressure is not indicative of actual well pressures. Flows to wells are throttled on an individual basis at each stub to keep injection pressure below the rated pressure for the well.

gpm: gallons per minute

psi: pounds per square inch

N/A: Data not available

Attachment 2: HH1-4 Flow Summary
1st Quarter 2016
Lost Creek ISR Project PT788

Date	Manifold Injection Flow Rate (gpm)	Manifold Injection Pressure* (psi)	Manifold Production Flow Rate (gpm)	Number of Wells Injecting	Number of Wells Producing	Comments
1/1/2016	39	104	11	16	1	
1/2/2016	38	106	11	16	1	
1/3/2016	38	106	12	16	1	
1/4/2016	37	107	12	16	1	
1/5/2016	37	106	11	16	1	
1/6/2016	37	107	12	16	1	
1/7/2016	36	107	11	16	1	
1/8/2016	37	109	11	16	1	
1/9/2016	36	106	11	16	1	
1/10/2016	37	107	11	16	1	
1/11/2016	37	107	11	16	1	
1/12/2016	44	107	13	16	1	
1/13/2016	44	107	13	16	1	
1/14/2016	44	107	14	16	1	
1/15/2016	42	105	13	16	1	
1/16/2016	43	107	14	16	1	
1/17/2016	44	106	11	16	1	
1/18/2016	44	107	11	16	1	
1/19/2016	50	107	14	16	1	
1/20/2016	48	107	14	16	1	
1/21/2016	47	109	13	16	1	
1/22/2016	46	109	13	16	1	
1/23/2016	45	110	13	16	1	
1/24/2016	44	110	13	16	1	
1/25/2016	42	107	12	16	1	
1/26/2016	42	109	13	16	1	
1/27/2016	41	107	13	16	1	
1/28/2016	40	107	13	16	1	
1/29/2016	39	108	14	16	1	
1/30/2016	40	108	13	16	1	
1/31/2016	39	108	13	16	1	
2/1/2016	38	108	13	16	1	
2/2/2016	38	109	13	16	1	
2/3/2016	37	106	13	16	1	
2/4/2016	38	106	13	16	1	
2/5/2016	37	106	12	16	1	
2/6/2016	37	106	12	16	1	
2/7/2016	37	106	12	16	1	
2/8/2016	37	106	12	16	1	
2/9/2016	36	106	12	16	1	
2/10/2016	31	111	15	15	1	
2/11/2016	39	107	14	14	1	
2/12/2016	39	107	13	14	1	
2/13/2016	36	105	13	14	1	
2/14/2016	35	107	12	14	1	
2/15/2016	34	107	12	14	1	
2/16/2016	34	107	11	14	1	
2/17/2016	34	107	11	14	1	
2/18/2016	33	107	12	16	1	
2/19/2016	44	106	14	16	1	

Attachment 2: HH1-4 Flow Summary
1st Quarter 2016
Lost Creek ISR Project PT788

Date	Manifold Injection Flow Rate (gpm)	Manifold Injection Pressure* (psi)	Manifold Production Flow Rate (gpm)	Number of Wells Injecting	Number of Wells Producing	Comments
2/20/2016	43	107	14	16	1	
2/21/2016	41	106	12	16	1	
2/22/2016	40	107	12	16	1	
2/23/2016	39	107	12	16	1	
2/24/2016	39	107	11	16	1	
2/25/2016	39	107	11	16	1	
2/26/2016	39	107	11	16	1	
2/27/2016	38	107	11	16	1	
2/28/2016	38	107	11	16	1	
2/29/2016	38	106	11	16	1	
3/1/2016	38	107	11	16	1	
3/2/2016	38	102	12	16	1	
3/3/2016	39	104	12	16	1	
3/4/2016	42	103	12	16	1	
3/5/2016	43	106	13	16	1	
3/6/2016	42	106	12	16	1	
3/7/2016	41	106	12	16	1	
3/8/2016	47	108	17	16	1	
3/9/2016	42	110	14	16	1	
3/10/2016	40	104	10	16	1	
3/11/2016	38	104	14	16	1	
3/12/2016	43	107	12	16	1	
3/13/2016	41	109	12	16	1	
3/14/2016	44	107	12	16	1	
3/15/2016	45	108	13	16	1	
3/16/2016	42	105	11	16	1	
3/17/2016	40	106	11	30	3	
3/18/2016	82	108	73	38	5	
3/19/2016	91	102	87	38	5	
3/20/2016	90	102	86	38	5	
3/21/2016	93	106	90	39	5	
3/22/2016	103	104	91	41	5	
3/23/2016	101	107	92	41	5	
3/24/2016	104	106	92	41	5	
3/25/2016	103	106	94	41	5	
3/26/2016	101	107	90	41	5	
3/27/2016	102	104	92	41	5	
3/28/2016	104	108	94	42	5	
3/29/2016	104	105	92	41	5	
3/30/2016	103	106	90	41	5	
3/31/2016	101	105	90	41	5	

* Manifold pressure is not indicative of actual well pressures. Flows to wells are throttled on an individual basis at each stub to keep injection pressure below the rated pressure for the well.

gpm: gallons per minute

psi: pounds per square inch

N/A: Data not available

Attachment 2: HH1-5 Flow Summary
1st Quarter 2016
Lost Creek ISR Project PT788

Date	Manifold Injection Flow Rate (gpm)	Manifold Injection Pressure* (psi)	Manifold Production Flow Rate (gpm)	Number of Wells Injecting	Number of Wells Producing	Comments
1/1/2016	56	95	25	33	1	
1/2/2016	58	94	25	33	1	
1/3/2016	85	94	26	33	1	
1/4/2016	80	95	26	33	1	
1/5/2016	79	95	26	33	1	
1/6/2016	79	96	26	33	1	
1/7/2016	81	96	26	33	1	
1/8/2016	78	98	26	33	1	
1/9/2016	77	95	26	33	1	
1/10/2016	74	96	26	33	1	
1/11/2016	55	95	25	33	1	
1/12/2016	79	95	27	33	1	
1/13/2016	77	95	26	33	1	
1/14/2016	76	96	28	33	1	
1/15/2016	72	94	27	33	1	
1/16/2016	74	96	28	33	1	
1/17/2016	76	95	27	33	1	
1/18/2016	78	95	27	33	1	
1/19/2016	74	96	28	33	1	
1/20/2016	75	94	27	33	1	
1/21/2016	75	94	27	33	1	
1/22/2016	74	95	27	33	1	
1/23/2016	74	95	27	33	1	
1/24/2016	74	95	27	33	1	
1/25/2016	73	96	26	33	1	
1/26/2016	73	95	27	33	1	
1/27/2016	73	95	27	33	1	
1/28/2016	73	96	26	33	1	
1/29/2016	74	95	28	33	1	
1/30/2016	73	95	27	33	1	
1/31/2016	73	95	27	33	1	
2/1/2016	73	95	27	33	1	
2/2/2016	73	95	27	33	1	
2/3/2016	73	95	27	33	1	
2/4/2016	73	97	27	33	1	
2/5/2016	73	96	27	33	1	
2/6/2016	71	95	27	33	1	
2/7/2016	71	94	27	33	1	
2/8/2016	71	94	27	33	1	
2/9/2016	72	95	27	33	1	
2/10/2016	72	104	27	34	1	
2/11/2016	74	96	27	33	1	
2/12/2016	74	95	27	33	1	
2/13/2016	75	95	27	33	1	
2/14/2016	73	95	27	33	1	
2/15/2016	72	95	27	33	1	
2/16/2016	72	96	26	33	1	
2/17/2016	71	96	26	33	1	
2/18/2016	74	95	27	33	1	
2/19/2016	75	95	28	33	1	

Attachment 2: HH1-5 Flow Summary
1st Quarter 2016
Lost Creek ISR Project PT788

Date	Manifold Injection Flow Rate (gpm)	Manifold Injection Pressure* (psi)	Manifold Production Flow Rate (gpm)	Number of Wells Injecting	Number of Wells Producing	Comments
2/20/2016	76	95	28	33	1	
2/21/2016	76	95	27	33	1	
2/22/2016	74	96	27	33	1	
2/23/2016	75	96	27	33	1	
2/24/2016	75	96	26	33	1	
2/25/2016	74	96	27	33	1	
2/26/2016	76	96	26	33	1	
2/27/2016	76	96	27	33	1	
2/28/2016	76	97	26	33	1	
2/29/2016	74	96	26	33	1	
3/1/2016	73	96	26	33	1	
3/2/2016	70	93	26	33	1	
3/3/2016	75	98	26	33	1	
3/4/2016	75	96	27	33	1	
3/5/2016	74	95	27	34	1	
3/6/2016	74	96	26	33	1	
3/7/2016	73	96	26	33	1	
3/8/2016	72	90	26	33	1	
3/9/2016	71	86	27	33	1	
3/10/2016	74	96	27	33	1	
3/11/2016	73	97	27	33	1	
3/12/2016	73	98	26	33	1	
3/13/2016	75	96	27	33	1	
3/14/2016	74	96	26	33	1	
3/15/2016	74	96	27	33	1	
3/16/2016	74	96	26	33	1	
3/17/2016	73	96	26	33	1	
3/18/2016	72	96	27	33	1	
3/19/2016	71	96	26	33	1	
3/20/2016	70	96	26	33	1	
3/21/2016	71	95	26	33	1	
3/22/2016	71	96	26	33	1	
3/23/2016	70	95	26	33	1	
3/24/2016	70	96	26	33	1	
3/25/2016	69	96	26	33	1	
3/26/2016	69	96	26	33	1	
3/27/2016	69	94	26	33	1	
3/28/2016	69	94	26	33	1	
3/29/2016	69	95	26	33	1	
3/30/2016	69	95	26	33	1	
3/31/2016	69	95	26	33	1	

* Manifold pressure is not indicative of actual well pressures. Flows to wells are throttled on an individual basis at each stub to keep injection pressure below the rated pressure for the well.

gpm: gallons per minute

psi: pounds per square inch

N/A: Data not available

Attachment 2: HH1-6 Flow Summary
1st Quarter 2016
Lost Creek ISR Project PT788

Date	Manifold Injection Flow Rate (gpm)	Manifold Injection Pressure* (psi)	Manifold Production Flow Rate (gpm)	Number of Wells Injecting	Number of Wells Producing	Comments
1/1/2016	116	106	113	45	7	
1/2/2016	122	107	113	45	7	
1/3/2016	154	106	118	45	7	
1/4/2016	151	107	113	45	7	
1/5/2016	151	106	113	45	7	
1/6/2016	150	107	113	45	7	
1/7/2016	148	108	114	45	7	
1/8/2016	141	110	110	45	7	
1/9/2016	144	107	111	45	7	
1/10/2016	133	107	110	45	7	
1/11/2016	114	107	107	45	7	
1/12/2016	113	107	113	45	7	
1/13/2016	114	106	113	45	7	
1/14/2016	167	110	121	45	7	
1/15/2016	151	108	116	45	7	
1/16/2016	157	111	121	45	7	
1/17/2016	115	107	109	44	7	
1/18/2016	117	107	110	44	7	
1/19/2016	146	109	115	44	7	
1/20/2016	144	107	115	44	7	
1/21/2016	142	108	114	44	7	
1/22/2016	143	108	113	44	7	
1/23/2016	140	108	112	44	7	
1/24/2016	141	108	111	44	7	
1/25/2016	138	107	109	44	7	
1/26/2016	137	107	112	44	7	
1/27/2016	137	106	112	44	7	
1/28/2016	138	107	112	44	7	
1/29/2016	139	107	130	44	7	
1/30/2016	139	107	128	44	7	
1/31/2016	138	107	127	44	7	
2/1/2016	137	107	126	44	7	
2/2/2016	137	107	125	44	7	
2/3/2016	138	107	127	44	7	
2/4/2016	137	107	126	44	7	
2/5/2016	136	106	126	44	7	
2/6/2016	136	106	125	44	7	
2/7/2016	136	106	124	44	7	
2/8/2016	134	107	123	44	7	
2/9/2016	135	106	125	44	7	
2/10/2016	146	112	121	44	7	
2/11/2016	140	106	129	44	7	
2/12/2016	138	107	129	44	7	
2/13/2016	138	106	127	44	7	
2/14/2016	136	107	123	44	7	
2/15/2016	135	107	122	44	7	
2/16/2016	131	108	121	44	7	
2/17/2016	132	108	121	44	7	
2/18/2016	136	107	127	44	7	
2/19/2016	145	106	134	44	7	

Attachment 2: HH1-6 Flow Summary
1st Quarter 2016
Lost Creek ISR Project PT788

Date	Manifold Injection Flow Rate (gpm)	Manifold Injection Pressure* (psi)	Manifold Production Flow Rate (gpm)	Number of Wells Injecting	Number of Wells Producing	Comments
2/20/2016	141	106	133	44	7	
2/21/2016	139	107	131	44	7	
2/22/2016	137	107	127	44	7	
2/23/2016	136	107	129	44	7	
2/24/2016	133	108	124	44	7	
2/25/2016	133	108	126	44	7	
2/26/2016	134	107	125	44	7	
2/27/2016	137	106	130	44	7	
2/28/2016	114	113	121	44	7	
2/29/2016	129	107	122	44	7	
3/1/2016	133	107	121	44	7	
3/2/2016	131	104	122	44	7	
3/3/2016	141	112	125	45	7	
3/4/2016	142	110	126	45	7	
3/5/2016	139	107	128	45	7	
3/6/2016	137	107	125	45	7	
3/7/2016	133	107	122	45	7	
3/8/2016	124	101	116	45	6	
3/9/2016	137	108	132	45	7	
3/10/2016	134	108	134	45	7	
3/11/2016	131	107	130	45	7	
3/12/2016	132	107	126	45	7	
3/13/2016	134	107	127	45	7	
3/14/2016	132	107	126	45	7	
3/15/2016	132	106	128	45	7	
3/16/2016	130	106	126	45	7	
3/17/2016	130	106	127	45	7	
3/18/2016	127	106	118	45	7	
3/19/2016	125	106	116	45	7	
3/20/2016	123	105	114	45	7	
3/21/2016	124	107	112	45	7	
3/22/2016	128	108	114	45	7	
3/23/2016	126	107	116	45	7	
3/24/2016	127	106	116	45	7	
3/25/2016	126	106	117	45	7	
3/26/2016	124	107	114	45	7	
3/27/2016	124	107	116	45	7	
3/28/2016	126	106	115	45	7	
3/29/2016	125	107	115	45	7	
3/30/2016	123	106	114	45	7	
3/31/2016	122	106	113	45	7	

* Manifold pressure is not indicative of actual well pressures. Flows to wells are throttled on an individual basis at each stub to keep injection pressure below the rated pressure for the well.

gpm: gallons per minute

psi: pounds per square inch

N/A: Data not available

Attachment 2: HH1-7 Flow Summary
1st Quarter 2016
Lost Creek ISR Project PT788

Date	Manifold Injection Flow Rate (gpm)	Manifold Injection Pressure* (psi)	Manifold Production Flow Rate (gpm)	Number of Wells Injecting	Number of Wells Producing	Comments
1/1/2016	118	109	118	47	6	
1/2/2016	115	110	118	47	6	
1/3/2016	116	108	122	47	6	
1/4/2016	112	110	122	47	6	
1/5/2016	110	110	122	47	6	
1/6/2016	110	110	122	47	6	
1/7/2016	118	110	127	47	6	
1/8/2016	114	112	123	47	6	
1/9/2016	117	109	124	47	6	
1/10/2016	114	110	116	47	6	
1/11/2016	111	109	113	47	6	
1/12/2016	110	109	119	47	6	
1/13/2016	111	108	118	47	6	
1/14/2016	103	110	123	46	6	
1/15/2016	112	103	122	46	6	
1/16/2016	116	106	126	46	6	
1/17/2016	120	109	117	46	6	
1/18/2016	120	110	116	46	6	
1/19/2016	115	110	120	46	6	
1/20/2016	115	110	119	46	6	
1/21/2016	116	110	118	46	6	
1/22/2016	113	110	117	46	6	
1/23/2016	112	111	117	46	6	
1/24/2016	112	110	117	46	6	
1/25/2016	104	103	115	46	6	
1/26/2016	109	109	120	46	6	
1/27/2016	110	109	119	46	6	
1/28/2016	109	110	118	46	5	
1/29/2016	111	110	100	46	5	
1/30/2016	108	110	101	46	5	
1/31/2016	108	110	99	46	5	
2/1/2016	106	111	98	46	5	
2/2/2016	99	107	98	46	5	
2/3/2016	104	110	98	45	5	
2/4/2016	104	113	98	45	5	
2/5/2016	105	111	99	45	5	
2/6/2016	102	109	98	45	5	
2/7/2016	100	110	97	45	5	
2/8/2016	100	110	96	45	5	
2/9/2016	100	110	98	45	5	
2/10/2016	97	110	95	45	5	
2/11/2016	107	110	102	45	5	
2/12/2016	110	112	102	45	6	
2/13/2016	103	109	123	45	6	
2/14/2016	104	109	119	45	6	
2/15/2016	102	110	120	45	6	
2/16/2016	100	110	118	45	6	
2/17/2016	102	110	117	45	6	
2/18/2016	101	110	122	45	6	
2/19/2016	113	108	131	45	6	

Attachment 2: HH1-7 Flow Summary
1st Quarter 2016
Lost Creek ISR Project PT788

Date	Manifold Injection Flow Rate (gpm)	Manifold Injection Pressure* (psi)	Manifold Production Flow Rate (gpm)	Number of Wells Injecting	Number of Wells Producing	Comments
2/20/2016	110	109	129	45	6	
2/21/2016	110	110	127	45	6	
2/22/2016	107	109	126	45	6	
2/23/2016	107	109	128	45	6	
2/24/2016	105	110	123	45	6	
2/25/2016	105	110	125	45	7	
2/26/2016	109	110	148	45	7	
2/27/2016	109	109	151	45	7	
2/28/2016	103	107	146	45	7	
2/29/2016	108	109	144	45	7	
3/1/2016	106	110	141	45	7	
3/2/2016	105	108	143	45	7	
3/3/2016	101	109	145	45	7	
3/4/2016	102	109	139	45	7	
3/5/2016	110	110	136	45	7	
3/6/2016	103	109	145	45	7	
3/7/2016	103	109	143	45	7	
3/8/2016	104	101	136	45	7	
3/9/2016	110	109	169	45	8	
3/10/2016	110	109	155	45	8	
3/11/2016	107	109	167	45	8	
3/12/2016	108	110	159	45	8	
3/13/2016	104	109	157	45	8	
3/14/2016	105	109	158	45	8	
3/15/2016	108	110	163	45	8	
3/16/2016	106	109	159	45	8	
3/17/2016	105	109	161	45	8	
3/18/2016	104	109	164	45	8	
3/19/2016	101	110	142	45	8	
3/20/2016	101	110	138	45	8	
3/21/2016	102	109	158	45	8	
3/22/2016	102	109	158	46	8	
3/23/2016	126	109	166	46	8	
3/24/2016	123	109	168	46	8	
3/25/2016	123	110	170	46	8	
3/26/2016	118	109	161	46	8	
3/27/2016	123	110	166	46	8	
3/28/2016	122	109	164	46	8	
3/29/2016	125	108	168	46	8	
3/30/2016	124	109	166	46	8	
3/31/2016	124	110	166	46	8	

* Manifold pressure is not indicative of actual well pressures. Flows to wells are throttled on an individual basis at each stub to keep injection pressure below the rated pressure for the well.

gpm: gallons per minute

psi: pounds per square inch

N/A: Data not available

Attachment 2: HH1-8 Flow Summary
1st Quarter 2016
Lost Creek ISR Project PT788

Date	Manifold Injection Flow Rate (gpm)	Manifold Injection Pressure* (psi)	Manifold Production Flow Rate (gpm)	Number of Wells Injecting	Number of Wells Producing	Comments
1/1/2016	160	102	172	42	8	
1/2/2016	158	102	173	42	8	
1/3/2016	158	101	178	42	8	
1/4/2016	156	102	177	42	8	
1/5/2016	157	102	176	42	8	
1/6/2016	155	103	178	42	8	
1/7/2016	158	103	183	42	8	
1/8/2016	157	104	176	42	8	
1/9/2016	153	103	178	42	8	
1/10/2016	152	102	174	42	8	
1/11/2016	150	103	171	42	8	
1/12/2016	152	102	177	42	8	
1/13/2016	152	102	176	42	8	
1/14/2016	152	102	182	42	8	
1/15/2016	142	100	179	42	8	
1/16/2016	148	103	187	42	8	
1/17/2016	144	103	173	42	8	
1/18/2016	144	103	172	42	8	
1/19/2016	142	102	176	42	8	
1/20/2016	143	103	175	42	8	
1/21/2016	144	103	174	42	8	
1/22/2016	143	103	174	42	8	
1/23/2016	141	104	174	42	8	
1/24/2016	142	103	173	42	8	
1/25/2016	138	102	171	42	8	
1/26/2016	138	102	175	42	8	
1/27/2016	140	103	175	42	8	
1/28/2016	139	102	173	42	8	
1/29/2016	143	98	183	42	8	
1/30/2016	141	98	182	42	8	
1/31/2016	140	98	180	42	8	
2/1/2016	140	98	179	42	8	
2/2/2016	142	100	179	42	8	
2/3/2016	143	102	179	42	8	
2/4/2016	142	102	178	42	8	
2/5/2016	140	102	177	42	8	
2/6/2016	139	101	176	42	8	
2/7/2016	139	101	175	42	8	
2/8/2016	138	102	174	42	8	
2/9/2016	138	101	177	42	8	
2/10/2016	146	102	175	42	8	
2/11/2016	148	102	182	42	8	
2/12/2016	147	103	182	42	8	
2/13/2016	142	102	141	42	7	
2/14/2016	140	102	156	42	7	
2/15/2016	138	102	154	42	7	
2/16/2016	137	102	153	42	8	
2/17/2016	138	102	156	42	7	
2/18/2016	144	103	162	42	7	
2/19/2016	147	102	170	42	7	

Attachment 2: HH1-8 Flow Summary
1st Quarter 2016
Lost Creek ISR Project PT788

Date	Manifold Injection Flow Rate (gpm)	Manifold Injection Pressure* (psi)	Manifold Production Flow Rate (gpm)	Number of Wells Injecting	Number of Wells Producing	Comments
2/20/2016	146	101	168	42	7	
2/21/2016	145	102	166	42	7	
2/22/2016	143	101	162	42	7	
2/23/2016	143	102	167	42	7	
2/24/2016	140	103	162	42	7	
2/25/2016	140	103	164	42	7	
2/26/2016	142	103	161	42	7	
2/27/2016	143	103	164	42	7	
2/28/2016	141	102	157	42	7	
2/29/2016	140	102	157	42	7	
3/1/2016	139	102	156	42	7	
3/2/2016	144	101	159	42	6	
3/3/2016	136	100	141	42	6	
3/4/2016	136	101	141	42	6	
3/5/2016	139	102	143	42	6	
3/6/2016	137	102	141	42	6	
3/7/2016	134	101	139	42	6	
3/8/2016	143	89	131	42	6	
3/9/2016	147	104	139	42	7	
3/10/2016	141	102	139	42	7	
3/11/2016	140	102	136	42	7	
3/12/2016	143	102	131	42	6	
3/13/2016	141	101	131	42	6	
3/14/2016	141	101	130	42	6	
3/15/2016	143	103	132	42	6	
3/16/2016	141	102	131	42	6	
3/17/2016	140	102	132	42	6	
3/18/2016	140	102	135	42	6	
3/19/2016	138	103	132	42	6	
3/20/2016	138	103	131	42	6	
3/21/2016	135	101	130	42	6	
3/22/2016	135	101	132	42	6	
3/23/2016	136	102	134	42	6	
3/24/2016	135	101	133	42	6	
3/25/2016	143	99	135	42	6	
3/26/2016	142	102	133	42	6	
3/27/2016	143	102	136	42	6	
3/28/2016	141	102	135	42	6	
3/29/2016	144	102	135	42	6	
3/30/2016	142	102	133	42	6	
3/31/2016	140	102	132	42	6	

* Manifold pressure is not indicative of actual well pressures. Flows to wells are throttled on an individual basis at each stub to keep injection pressure below the rated pressure for the well.

gpm: gallons per minute

psi: pounds per square inch

N/A: Data not available

Attachment 2: HH1-9 Flow Summary
1st Quarter 2016
Lost Creek ISR Project PT788

Date	Manifold Injection Flow Rate (gpm)	Manifold Injection Pressure* (psi)	Manifold Production Flow Rate (gpm)	Number of Wells Injecting	Number of Wells Producing	Comments
1/1/2016	319	101	315	48	15	
1/2/2016	320	102	317	49	15	
1/3/2016	323	103	323	49	15	
1/4/2016	312	102	317	49	15	
1/5/2016	312	101	316	49	15	
1/6/2016	307	102	300	49	15	
1/7/2016	311	103	277	49	14	
1/8/2016	291	105	285	49	14	
1/9/2016	301	101	300	49	14	
1/10/2016	298	102	292	49	13	
1/11/2016	277	103	263	49	13	
1/12/2016	277	102	272	49	13	
1/13/2016	276	101	271	49	14	
1/14/2016	277	101	281	49	14	
1/15/2016	265	101	297	49	14	
1/16/2016	297	101	287	49	13	
1/17/2016	280	101	260	49	13	
1/18/2016	276	102	258	49	13	
1/19/2016	273	101	226	49	13	
1/20/2016	281	102	247	49	13	
1/21/2016	282	102	247	49	13	
1/22/2016	279	102	244	49	13	
1/23/2016	271	103	225	49	13	
1/24/2016	285	101	247	49	13	
1/25/2016	282	101	239	49	13	
1/26/2016	278	101	244	49	13	
1/27/2016	277	101	244	49	13	
1/28/2016	273	101	241	49	13	
1/29/2016	294	101	256	49	13	
1/30/2016	287	102	236	49	13	
1/31/2016	291	101	252	49	13	
2/1/2016	293	101	251	49	13	
2/2/2016	280	101	251	49	13	
2/3/2016	275	101	251	49	13	
2/4/2016	275	100	248	49	13	
2/5/2016	274	101	248	49	13	
2/6/2016	271	100	247	49	13	
2/7/2016	271	100	247	49	13	
2/8/2016	270	101	245	49	13	
2/9/2016	276	102	250	49	13	
2/10/2016	291	100	245	49	13	
2/11/2016	286	101	255	49	13	
2/12/2016	280	101	256	49	14	
2/13/2016	279	101	272	49	14	
2/14/2016	275	101	264	49	14	
2/15/2016	275	101	262	49	14	
2/16/2016	272	101	260	49	14	
2/17/2016	271	101	259	49	14	
2/18/2016	270	101	270	49	14	
2/19/2016	282	101	287	49	14	

Attachment 2: HH1-9 Flow Summary
1st Quarter 2016
Lost Creek ISR Project PT788

Date	Manifold Injection Flow Rate (gpm)	Manifold Injection Pressure* (psi)	Manifold Production Flow Rate (gpm)	Number of Wells Injecting	Number of Wells Producing	Comments
2/20/2016	276	100	279	49	14	
2/21/2016	278	102	277	49	14	
2/22/2016	273	100	271	49	14	
2/23/2016	0	111	282	49	14	
2/24/2016	301	112	274	49	14	
2/25/2016	300	112	276	49	14	
2/26/2016	284	102	268	49	14	
2/27/2016	289	101	254	49	14	
2/28/2016	282	101	267	49	14	
2/29/2016	280	101	263	49	14	
3/1/2016	277	101	262	49	14	
3/2/2016	285	100	269	49	14	
3/3/2016	273	101	253	49	13	
3/4/2016	273	101	253	49	13	
3/5/2016	283	102	257	49	13	
3/6/2016	274	101	252	49	13	
3/7/2016	268	100	248	49	13	
3/8/2016	278	92	254	49	13	
3/9/2016	277	101	264	49	13	
3/10/2016	275	101	260	49	13	
3/11/2016	277	100	278	49	13	
3/12/2016	282	100	287	49	13	
3/13/2016	286	101	271	49	13	
3/14/2016	283	101	285	49	13	
3/15/2016	283	101	291	49	13	
3/16/2016	279	101	285	49	13	
3/17/2016	278	101	267	49	12	
3/18/2016	273	102	260	49	12	
3/19/2016	269	102	255	49	12	
3/20/2016	268	102	254	49	12	
3/21/2016	268	101	250	49	12	
3/22/2016	267	101	253	49	12	
3/23/2016	266	101	257	49	12	
3/24/2016	262	101	253	49	12	
3/25/2016	287	102	262	49	12	
3/26/2016	274	100	254	49	12	
3/27/2016	283	101	260	49	12	
3/28/2016	275	101	259	49	12	
3/29/2016	272	101	256	49	12	
3/30/2016	268	101	253	49	12	
3/31/2016	266	101	252	49	11	

* Manifold pressure is not indicative of actual well pressures. Flows to wells are throttled on an individual basis at each stub to keep injection pressure below the rated pressure for the well.

gpm: gallons per minute

psi: pounds per square inch

N/A: Data not available

Attachment 2: HH1-10 Flow Summary
1st Quarter 2016
Lost Creek ISR Project PT788

Date	Manifold Injection Flow Rate (gpm)	Manifold Injection Pressure* (psi)	Manifold Production Flow Rate (gpm)	Number of Wells Injecting	Number of Wells Producing	Comments
1/1/2016	152	112	141	49	9	
1/2/2016	151	112	141	49	9	
1/3/2016	150	112	146	49	9	
1/4/2016	151	112	145	49	9	
1/5/2016	151	112	145	49	9	
1/6/2016	150	112	145	49	9	
1/7/2016	152	112	152	49	9	
1/8/2016	141	112	144	49	9	
1/9/2016	152	112	144	49	9	
1/10/2016	150	112	126	49	7	
1/11/2016	146	112	109	49	7	
1/12/2016	146	112	111	49	7	
1/13/2016	145	112	109	49	7	
1/14/2016	145	112	113	49	7	
1/15/2016	141	112	108	49	7	
1/16/2016	148	112	113	49	7	
1/17/2016	145	112	107	49	7	
1/18/2016	143	112	107	49	8	
1/19/2016	145	112	133	49	8	
1/20/2016	144	112	131	49	8	
1/21/2016	144	112	130	49	8	
1/22/2016	142	112	129	49	8	
1/23/2016	139	112	127	49	8	
1/24/2016	140	112	126	49	8	
1/25/2016	138	112	124	49	8	
1/26/2016	137	112	129	49	8	
1/27/2016	137	112	128	49	8	
1/28/2016	134	112	126	49	8	
1/29/2016	135	112	135	49	8	
1/30/2016	133	112	134	49	8	
1/31/2016	133	112	132	49	8	
2/1/2016	132	112	131	49	8	
2/2/2016	130	112	115	49	7	
2/3/2016	132	112	115	49	7	
2/4/2016	130	112	114	49	7	
2/5/2016	129	112	114	49	7	
2/6/2016	129	112	113	49	7	
2/7/2016	129	112	112	49	7	
2/8/2016	128	112	111	49	7	
2/9/2016	128	112	114	49	7	
2/10/2016	126	112	115	49	7	
2/11/2016	128	112	118	49	7	
2/12/2016	127	112	120	49	9	
2/13/2016	126	112	112	49	7	
2/14/2016	124	112	109	49	7	
2/15/2016	124	112	107	49	7	
2/16/2016	122	112	107	49	7	
2/17/2016	122	112	106	49	6	
2/18/2016	121	112	92	49	6	
2/19/2016	120	112	101	49	6	

Attachment 2: HH1-10 Flow Summary
1st Quarter 2016
Lost Creek ISR Project PT788

Date	Manifold Injection Flow Rate (gpm)	Manifold Injection Pressure* (psi)	Manifold Production Flow Rate (gpm)	Number of Wells Injecting	Number of Wells Producing	Comments
2/20/2016	119	112	100	49	6	
2/21/2016	120	112	97	49	6	
2/22/2016	119	112	97	49	6	
2/23/2016	119	112	100	49	6	
2/24/2016	117	112	96	49	6	
2/25/2016	116	112	98	49	7	
2/26/2016	113	112	93	49	6	
2/27/2016	115	112	96	49	6	
2/28/2016	113	112	91	49	6	
2/29/2016	113	112	90	49	6	
3/1/2016	112	112	88	49	6	
3/2/2016	111	112	91	49	6	
3/3/2016	111	112	93	49	6	
3/4/2016	111	112	93	49	6	
3/5/2016	111	112	95	49	6	
3/6/2016	112	112	92	49	6	
3/7/2016	110	112	91	49	6	
3/8/2016	108	112	95	49	6	
3/9/2016	113	112	99	49	6	
3/10/2016	113	112	99	49	6	
3/11/2016	110	112	96	49	6	
3/12/2016	112	112	106	49	6	
3/13/2016	111	112	105	49	6	
3/14/2016	111	112	102	49	6	
3/15/2016	112	112	104	49	6	
3/16/2016	111	112	105	49	6	
3/17/2016	110	112	106	53	9	
3/18/2016	131	112	149	53	9	
3/19/2016	132	112	148	53	9	
3/20/2016	129	112	144	53	9	
3/21/2016	124	112	143	53	9	
3/22/2016	124	112	145	53	9	
3/23/2016	122	112	148	53	9	
3/24/2016	122	112	148	53	9	
3/25/2016	120	112	152	53	9	
3/26/2016	118	112	147	53	9	
3/27/2016	118	112	145	53	9	
3/28/2016	117	112	144	53	9	
3/29/2016	116	112	146	54	9	
3/30/2016	116	112	146	53	9	
3/31/2016	115	112	145	53	8	

* Manifold pressure is not indicative of actual well pressures. Flows to wells are throttled on an individual basis at each stub to keep injection pressure below the rated pressure for the well.

gpm: gallons per minute

psi: pounds per square inch

N/A: Data not available

Attachment 2: HH1-11 Flow Summary
1st Quarter 2016
Lost Creek ISR Project PT788

Date	Manifold Injection Flow Rate (gpm)	Manifold Injection Pressure* (psi)	Manifold Production Flow Rate (gpm)	Number of Wells Injecting	Number of Wells Producing	Comments
1/1/2016	277	112	359	51	19	
1/2/2016	284	112	362	51	19	
1/3/2016	279	112	338	51	19	
1/4/2016	282	112	369	51	19	
1/5/2016	283	109	367	51	19	
1/6/2016	286	109	366	51	19	
1/7/2016	286	110	372	51	19	
1/8/2016	283	112	358	51	19	
1/9/2016	285	109	365	51	19	
1/10/2016	282	108	373	51	17	
1/11/2016	269	109	339	51	17	
1/12/2016	269	109	346	51	17	
1/13/2016	264	108	342	51	17	
1/14/2016	266	108	352	51	18	
1/15/2016	253	102	347	51	18	
1/16/2016	269	107	364	51	18	
1/17/2016	271	109	352	51	18	
1/18/2016	268	109	352	51	19	
1/19/2016	277	110	385	51	19	
1/20/2016	274	109	380	51	20	
1/21/2016	264	109	376	51	19	
1/22/2016	264	109	372	51	19	
1/23/2016	255	111	368	51	19	
1/24/2016	259	110	366	51	19	
1/25/2016	254	108	354	51	17	
1/26/2016	248	109	287	51	17	
1/27/2016	244	110	291	51	16	
1/28/2016	242	108	283	51	16	
1/29/2016	268	105	300	51	16	
1/30/2016	279	103	299	51	16	
1/31/2016	272	104	295	51	16	
2/1/2016	267	105	293	51	16	
2/2/2016	272	110	293	51	16	
2/3/2016	269	109	294	51	16	
2/4/2016	260	110	289	51	16	
2/5/2016	264	110	290	51	16	
2/6/2016	262	109	288	51	16	
2/7/2016	261	109	287	51	16	
2/8/2016	256	110	283	51	16	
2/9/2016	282	107	293	51	16	
2/10/2016	281	110	288	51	16	
2/11/2016	317	109	308	51	16	
2/12/2016	330	110	311	51	16	
2/13/2016	314	109	311	51	16	
2/14/2016	302	111	299	51	16	
2/15/2016	299	110	301	51	16	
2/16/2016	313	109	301	51	16	
2/17/2016	309	110	302	51	16	
2/18/2016	311	109	316	51	14	
2/19/2016	337	112	296	51	14	

Attachment 2: HH1-11 Flow Summary
1st Quarter 2016
Lost Creek ISR Project PT788

Date	Manifold Injection Flow Rate (gpm)	Manifold Injection Pressure* (psi)	Manifold Production Flow Rate (gpm)	Number of Wells Injecting	Number of Wells Producing	Comments
2/20/2016	348	111	295	51	14	
2/21/2016	317	110	288	51	14	
2/22/2016	309	110	285	51	14	
2/23/2016	309	112	289	51	15	
2/24/2016	318	112	300	51	15	
2/25/2016	314	112	268	51	13	
2/26/2016	329	112	274	51	13	
2/27/2016	315	112	278	51	13	
2/28/2016	305	112	270	51	13	
2/29/2016	301	112	267	51	15	
3/1/2016	301	112	303	51	15	
3/2/2016	306	112	307	51	15	
3/3/2016	296	112	309	51	15	
3/4/2016	294	112	308	51	15	
3/5/2016	293	112	312	51	15	
3/6/2016	287	112	304	51	15	
3/7/2016	282	112	301	51	15	
3/8/2016	279	112	318	51	15	
3/9/2016	281	112	323	51	15	
3/10/2016	272	112	327	51	15	
3/11/2016	254	112	322	51	15	
3/12/2016	259	112	332	51	15	
3/13/2016	254	112	327	51	15	
3/14/2016	252	112	322	51	15	
3/15/2016	246	112	329	51	15	
3/16/2016	239	112	324	51	15	
3/17/2016	235	112	327	51	16	
3/18/2016	231	112	327	51	16	
3/19/2016	226	112	322	51	16	
3/20/2016	224	112	318	51	16	
3/21/2016	221	112	320	51	16	
3/22/2016	217	112	314	51	16	
3/23/2016	242	112	322	51	16	
3/24/2016	254	112	322	51	16	
3/25/2016	276	112	328	51	16	
3/26/2016	256	112	317	51	16	
3/27/2016	244	112	305	51	15	
3/28/2016	241	112	304	51	15	
3/29/2016	243	112	301	51	15	
3/30/2016	244	112	296	51	15	
3/31/2016	237	112	278	51	15	

* Manifold pressure is not indicative of actual well pressures. Flows to wells are throttled on an individual basis at each stub to keep injection pressure below the rated pressure for the well.

gpm: gallons per minute

psi: pounds per square inch

N/A: Data not available

Attachment 2: HH1-12 Flow Summary
1st Quarter 2016
Lost Creek ISR Project PT788

Date	Manifold Injection Flow Rate (gpm)	Manifold Injection Pressure* (psi)	Manifold Production Flow Rate (gpm)	Number of Wells Injecting	Number of Wells Producing	Comments
1/1/2016	496	105	445	50	24	
1/2/2016	490	105	445	50	24	
1/3/2016	480	105	470	50	24	
1/4/2016	515	105	469	50	24	
1/5/2016	506	102	465	50	24	
1/6/2016	496	103	463	50	24	
1/7/2016	489	105	469	50	24	
1/8/2016	494	105	454	50	23	
1/9/2016	478	103	441	50	22	
1/10/2016	460	103	425	50	21	
1/11/2016	435	103	419	50	21	
1/12/2016	441	102	423	50	21	
1/13/2016	435	102	418	50	21	
1/14/2016	436	102	429	50	21	
1/15/2016	419	97	407	50	21	
1/16/2016	435	102	424	50	21	
1/17/2016	425	102	414	50	21	
1/18/2016	427	102	414	50	21	
1/19/2016	434	101	426	50	21	
1/20/2016	433	103	420	50	21	
1/21/2016	429	103	413	50	21	
1/22/2016	419	104	409	50	21	
1/23/2016	411	105	401	50	21	
1/24/2016	408	105	399	50	21	
1/25/2016	394	102	399	50	21	
1/26/2016	385	102	418	50	21	
1/27/2016	374	102	398	50	21	
1/28/2016	370	102	397	50	21	
1/29/2016	369	102	421	50	21	
1/30/2016	363	102	419	50	21	
1/31/2016	360	102	413	50	21	
2/1/2016	357	103	410	50	21	
2/2/2016	357	102	409	50	21	
2/3/2016	360	102	410	50	21	
2/4/2016	355	102	404	50	21	
2/5/2016	351	102	404	50	21	
2/6/2016	357	101	408	50	21	
2/7/2016	356	102	407	50	21	
2/8/2016	347	103	400	50	21	
2/9/2016	358	101	414	50	21	
2/10/2016	337	104	422	50	21	
2/11/2016	333	103	414	50	21	
2/12/2016	340	102	418	50	21	
2/13/2016	332	102	398	50	20	
2/14/2016	322	103	387	50	20	
2/15/2016	319	103	382	50	20	
2/16/2016	314	104	381	50	20	
2/17/2016	313	104	377	50	17	
2/18/2016	296	102	333	50	17	
2/19/2016	294	103	369	50	17	

Attachment 2: HH1-12 Flow Summary
1st Quarter 2016
Lost Creek ISR Project PT788

Date	Manifold Injection Flow Rate (gpm)	Manifold Injection Pressure* (psi)	Manifold Production Flow Rate (gpm)	Number of Wells Injecting	Number of Wells Producing	Comments
2/20/2016	284	101	368	50	17	
2/21/2016	279	102	356	50	17	
2/22/2016	279	102	357	50	17	
2/23/2016	277	102	359	50	17	
2/24/2016	271	103	349	50	17	
2/25/2016	268	103	360	50	17	
2/26/2016	278	101	362	50	17	
2/27/2016	289	102	368	50	17	
2/28/2016	279	103	359	50	17	
2/29/2016	274	102	354	50	17	
3/1/2016	271	103	317	50	17	
3/2/2016	284	98	325	50	17	
3/3/2016	279	99	327	50	17	
3/4/2016	280	100	328	50	17	
3/5/2016	280	103	332	50	17	
3/6/2016	274	103	325	50	17	
3/7/2016	269	103	323	50	17	
3/8/2016	282	97	325	50	17	
3/9/2016	339	102	335	50	17	
3/10/2016	363	102	341	50	17	
3/11/2016	383	99	341	50	17	
3/12/2016	422	102	392	50	17	
3/13/2016	402	101	386	50	17	
3/14/2016	395	102	379	50	17	
3/15/2016	398	103	357	50	17	
3/16/2016	395	103	353	50	17	
3/17/2016	425	99	364	50	16	
3/18/2016	441	97	338	50	15	
3/19/2016	426	99	333	50	15	
3/20/2016	415	100	328	50	15	
3/21/2016	409	102	322	50	15	
3/22/2016	419	103	328	50	15	
3/23/2016	423	103	335	50	15	
3/24/2016	407	102	336	50	15	
3/25/2016	399	103	339	50	15	
3/26/2016	383	101	327	50	15	
3/27/2016	375	102	314	50	14	
3/28/2016	372	102	313	50	14	
3/29/2016	367	102	311	49	14	
3/30/2016	358	102	307	50	14	
3/31/2016	353	103	307	50	14	

* Manifold pressure is not indicative of actual well pressures. Flows to wells are throttled on an individual basis at each stub to keep injection pressure below the rated pressure for the well.

gpm: gallons per minute

psi: pounds per square inch

N/A: Data not available

Attachment 3: Groundwater Level Measurement Data
1st Quarter 2016
Lost Creek ISR Project PT788

Well ID	Well Type	Measure Date	Depth to Water (ft-bmp)	Comments
M-101	MU1 Ring	1/5/2016	180.18	
M-101	MU1 Ring	1/20/2016	195.29	
M-101	MU1 Ring	2/8/2016	199.01	
M-101	MU1 Ring	2/18/2016	193.16	
M-101	MU1 Ring	3/4/2016	191.29	
M-101	MU1 Ring	3/24/2016	180.30	
M-102	MU1 Ring	1/5/2016	190.63	
M-102	MU1 Ring	1/20/2016	199.93	
M-102	MU1 Ring	2/8/2016	203.20	
M-102	MU1 Ring	2/18/2016	197.51	
M-102	MU1 Ring	3/4/2016	195.63	
M-102	MU1 Ring	3/24/2016	184.45	
M-103A	MU1 Ring	1/5/2016	185.88	
M-103A	MU1 Ring	1/20/2016	195.27	
M-103A	MU1 Ring	2/8/2016	198.67	
M-103A	MU1 Ring	2/18/2016	192.17	
M-103A	MU1 Ring	3/4/2016	190.40	
M-103A	MU1 Ring	3/24/2016	178.37	
M-104	MU1 Ring	1/5/2016	200.89	
M-104	MU1 Ring	1/20/2016	211.97	
M-104	MU1 Ring	2/8/2016	213.60	
M-104	MU1 Ring	2/18/2016	200.83	
M-104	MU1 Ring	3/4/2016	201.37	
M-104	MU1 Ring	3/24/2016	184.92	
M-105	MU1 Ring	1/5/2016	205.52	
M-105	MU1 Ring	1/20/2016	216.93	
M-105	MU1 Ring	2/8/2016	214.41	
M-105	MU1 Ring	2/18/2016	200.80	
M-105	MU1 Ring	3/4/2016	203.01	
M-105	MU1 Ring	3/24/2016	189.55	
M-106	MU1 Ring	1/5/2016	202.49	
M-106	MU1 Ring	1/20/2016	213.70	
M-106	MU1 Ring	2/8/2016	208.96	
M-106	MU1 Ring	2/18/2016	194.59	
M-106	MU1 Ring	3/4/2016	191.97	
M-106	MU1 Ring	3/24/2016	188.72	
M-107	MU1 Ring	1/5/2016	209.55	
M-107	MU1 Ring	1/20/2016	211.46	
M-107	MU1 Ring	2/8/2016	207.97	
M-107	MU1 Ring	2/18/2016	200.52	
M-107	MU1 Ring	3/4/2016	199.68	
M-107	MU1 Ring	3/24/2016	202.42	
M-108	MU1 Ring	1/5/2016	210.20	
M-108	MU1 Ring	1/20/2016	211.00	
M-108	MU1 Ring	2/9/2016	207.03	
M-108	MU1 Ring	2/19/2016	200.39	
M-108	MU1 Ring	3/4/2016	199.36	
M-108	MU1 Ring	3/24/2016	202.80	
M-109	MU1 Ring	1/5/2016	203.41	

Attachment 3: Groundwater Level Measurement Data
1st Quarter 2016
Lost Creek ISR Project PT788

Well ID	Well Type	Measure Date	Depth to Water (ft-bmp)	Comments
M-109	MU1 Ring	1/20/2016	202.92	
M-109	MU1 Ring	2/9/2016	200.32	
M-109	MU1 Ring	2/19/2016	194.63	
M-109	MU1 Ring	3/4/2016	193.40	
M-109	MU1 Ring	3/24/2016	197.50	
M-110	MU1 Ring	1/5/2016	200.50	
M-110	MU1 Ring	1/20/2016	197.51	
M-110	MU1 Ring	2/9/2016	197.20	
M-110	MU1 Ring	2/19/2016	193.33	
M-110	MU1 Ring	3/4/2016	192.47	
M-110	MU1 Ring	3/24/2016	200.37	
M-111	MU1 Ring	1/5/2016	185.89	
M-111	MU1 Ring	1/20/2016	185.71	
M-111	MU1 Ring	2/9/2016	183.23	
M-111	MU1 Ring	2/19/2016	179.97	
M-111	MU1 Ring	3/4/2016	179.86	
M-111	MU1 Ring	3/24/2016	190.53	
M-112	MU1 Ring	1/5/2016	193.57	
M-112	MU1 Ring	1/20/2016	190.51	
M-112	MU1 Ring	2/9/2016	191.18	
M-112	MU1 Ring	2/19/2016	188.67	
M-112	MU1 Ring	3/4/2016	187.86	
M-112	MU1 Ring	3/24/2016	199.66	
M-113	MU1 Ring	1/5/2016	201.81	
M-113	MU1 Ring	1/20/2016	199.03	
M-113	MU1 Ring	2/4/2016	199.32	
M-113	MU1 Ring	2/17/2016	197.35	
M-113	MU1 Ring	3/2/2016	197.00	
M-113	MU1 Ring	3/22/2016	211.40	
M-114A	MU1 Ring	1/5/2016	186.50	
M-114A	MU1 Ring	1/20/2016	184.70	
M-114A	MU1 Ring	2/4/2016	179.13	
M-114A	MU1 Ring	2/17/2016	180.63	
M-114A	MU1 Ring	3/2/2016	189.23	
M-114A	MU1 Ring	3/22/2016	184.67	
M-115A	MU1 Ring	1/5/2016	186.31	
M-115A	MU1 Ring	1/20/2016	180.92	
M-115A	MU1 Ring	2/4/2016	174.20	
M-115A	MU1 Ring	2/17/2016	177.00	
M-115A	MU1 Ring	3/2/2016	183.13	
M-115A	MU1 Ring	3/22/2016	179.15	
M-116A	MU1 Ring	1/5/2016	177.48	
M-116A	MU1 Ring	1/20/2016	182.00	
M-116A	MU1 Ring	2/4/2016	167.64	
M-116A	MU1 Ring	2/17/2016	169.92	
M-116A	MU1 Ring	3/2/2016	182.90	
M-116A	MU1 Ring	3/22/2016	171.30	
M-117	MU1 Ring	1/5/2016	188.17	
M-117	MU1 Ring	1/20/2016	184.02	

Attachment 3: Groundwater Level Measurement Data
1st Quarter 2016
Lost Creek ISR Project PT788

Well ID	Well Type	Measure Date	Depth to Water (ft-bmp)	Comments
M-117	MU1 Ring	2/4/2016	181.00	
M-117	MU1 Ring	2/17/2016	183.41	
M-117	MU1 Ring	3/2/2016	194.70	
M-117	MU1 Ring	3/22/2016	191.26	
M-118	MU1 Ring	1/5/2016	176.48	
M-118	MU1 Ring	1/20/2016	176.47	
M-118	MU1 Ring	2/4/2016	173.40	
M-118	MU1 Ring	2/17/2016	176.50	
M-118	MU1 Ring	3/2/2016	187.43	
M-118	MU1 Ring	3/22/2016	180.30	
M-119	MU1 Ring	1/5/2016	177.01	
M-119	MU1 Ring	1/20/2016	174.58	
M-119	MU1 Ring	2/4/2016	175.83	
M-119	MU1 Ring	2/17/2016	179.78	
M-119	MU1 Ring	3/2/2016	193.56	
M-119	MU1 Ring	3/22/2016	187.87	
M-120A	MU1 Ring	1/5/2016	173.55	
M-120A	MU1 Ring	1/20/2016	174.47	
M-120A	MU1 Ring	2/4/2016	174.66	
M-120A	MU1 Ring	2/17/2016	177.03	
M-120A	MU1 Ring	3/2/2016	184.97	
M-120A	MU1 Ring	3/22/2016	180.75	
M-121	MU1 Ring	1/5/2016	183.69	
M-121	MU1 Ring	1/20/2016	176.86	
M-121	MU1 Ring	2/4/2016	180.56	
M-121	MU1 Ring	2/17/2016	182.00	
M-121	MU1 Ring	3/2/2016	185.00	
M-121	MU1 Ring	3/22/2016	187.73	
M-122	MU1 Ring	1/5/2016	185.10	
M-122	MU1 Ring	1/20/2016	179.09	
M-122	MU1 Ring	2/4/2016	181.35	
M-122	MU1 Ring	2/17/2016	182.78	
M-122	MU1 Ring	3/2/2016	183.17	
M-122	MU1 Ring	3/22/2016	189.05	
M-123	MU1 Ring	1/5/2016	182.80	
M-123	MU1 Ring	1/20/2016	176.56	
M-123	MU1 Ring	2/8/2016	179.13	
M-123	MU1 Ring	2/18/2016	180.10	
M-123	MU1 Ring	3/2/2016	177.62	
M-123	MU1 Ring	3/22/2016	187.61	
M-124	MU1 Ring	1/5/2016	184.81	
M-124	MU1 Ring	1/20/2016	181.21	
M-124	MU1 Ring	2/8/2016	183.11	
M-124	MU1 Ring	2/18/2016	182.98	
M-124	MU1 Ring	3/2/2016	179.19	
M-124	MU1 Ring	3/22/2016	191.59	
M-125	MU1 Ring	1/5/2016	174.27	
M-125	MU1 Ring	1/20/2016	172.40	
M-125	MU1 Ring	2/8/2016	174.60	

Attachment 3: Groundwater Level Measurement Data
1st Quarter 2016
Lost Creek ISR Project PT788

Well ID	Well Type	Measure Date	Depth to Water (ft-bmp)	Comments
M-125	MU1 Ring	2/18/2016	173.38	
M-125	MU1 Ring	3/2/2016	177.23	
M-125	MU1 Ring	3/22/2016	189.62	
M-126	MU1 Ring	1/5/2016	176.21	
M-126	MU1 Ring	1/20/2016	174.87	
M-126	MU1 Ring	2/8/2016	177.18	
M-126	MU1 Ring	2/18/2016	176.40	
M-126	MU1 Ring	3/4/2016	175.00	
M-126	MU1 Ring	3/22/2016	181.22	
M-127	MU1 Ring	1/5/2016	182.80	
M-127	MU1 Ring	1/20/2016	190.93	
M-127	MU1 Ring	2/8/2016	192.97	
M-127	MU1 Ring	2/18/2016	189.50	
M-127	MU1 Ring	3/4/2016	188.03	
M-127	MU1 Ring	3/22/2016	179.92	
M-128	MU1 Ring	1/5/2016	183.66	
M-128	MU1 Ring	1/20/2016	193.23	
M-128	MU1 Ring	2/8/2016	195.88	
M-128	MU1 Ring	2/18/2016	191.03	
M-128	MU1 Ring	3/4/2016	189.02	
M-128	MU1 Ring	3/22/2016	178.89	
MO-101	MU1 Overlying	1/6/2016	163.10	
MO-101	MU1 Overlying	1/20/2016	164.76	
MO-101	MU1 Overlying	2/9/2016	165.93	
MO-101	MU1 Overlying	2/19/2016	164.21	
MO-101	MU1 Overlying	3/7/2016	164.26	
MO-101	MU1 Overlying	3/24/2016	162.78	
MO-102	MU1 Overlying	1/20/2016	168.60	
MO-102	MU1 Overlying	2/9/2016	169.52	
MO-102	MU1 Overlying	2/19/2016	168.02	
MO-102	MU1 Overlying	3/7/2016	167.63	
MO-102	MU1 Overlying	3/24/2016	166.00	
MO-103	MU1 Overlying	1/20/2016	162.42	
MO-103	MU1 Overlying	2/9/2016	163.81	
MO-103	MU1 Overlying	2/19/2016	162.43	
MO-103	MU1 Overlying	3/7/2016	163.12	
MO-103	MU1 Overlying	3/24/2016	162.28	
MO-104	MU1 Overlying	1/6/2016	172.73	
MO-104	MU1 Overlying	1/20/2016	173.36	
MO-104	MU1 Overlying	2/9/2016	172.18	
MO-104	MU1 Overlying	2/19/2016	170.93	
MO-104	MU1 Overlying	3/7/2016	169.12	
MO-104	MU1 Overlying	3/24/2016	175.20	
MO-105	MU1 Overlying	1/6/2016	167.81	
MO-105	MU1 Overlying	1/20/2016	168.72	
MO-105	MU1 Overlying	2/9/2016	168.91	
MO-105	MU1 Overlying	2/19/2016	167.11	
MO-105	MU1 Overlying	3/7/2016	166.78	
MO-105	MU1 Overlying	3/25/2016	165.39	

Attachment 3: Groundwater Level Measurement Data
1st Quarter 2016
Lost Creek ISR Project PT788

Well ID	Well Type	Measure Date	Depth to Water (ft-bmp)	Comments
MO-106	MU1 Overlying	1/6/2016	166.39	
MO-106	MU1 Overlying	1/20/2016	167.42	
MO-106	MU1 Overlying	2/10/2016	163.62	
MO-106	MU1 Overlying	2/22/2016	162.32	
MO-106	MU1 Overlying	3/8/2016	161.89	
MO-106	MU1 Overlying	3/25/2016	160.32	
MO-107	MU1 Overlying	1/6/2016	156.64	
MO-107	MU1 Overlying	1/22/2016	157.32	
MO-107	MU1 Overlying	2/10/2016	157.16	
MO-107	MU1 Overlying	2/22/2016	154.86	
MO-107	MU1 Overlying	3/8/2016	152.96	
MO-107	MU1 Overlying	3/25/2016	151.32	
MO-108	MU1 Overlying	1/6/2016	155.32	
MO-108	MU1 Overlying	1/22/2016	156.30	
MO-108	MU1 Overlying	2/10/2016	154.39	
MO-108	MU1 Overlying	2/22/2016	153.69	
MO-108	MU1 Overlying	3/8/2016	152.81	
MO-108	MU1 Overlying	3/25/2016	151.14	
MO-109	MU1 Overlying	1/6/2016	171.54	
MO-109	MU1 Overlying	1/22/2016	172.68	
MO-109	MU1 Overlying	2/10/2016	170.00	
MO-109	MU1 Overlying	2/22/2016	169.24	
MO-109	MU1 Overlying	3/8/2016	171.08	
MO-109	MU1 Overlying	3/25/2016	170.54	
MO-110	MU1 Overlying	1/22/2016	159.22	
MO-110	MU1 Overlying	2/10/2016	158.67	
MO-110	MU1 Overlying	2/22/2016	169.24	
MO-110	MU1 Overlying	3/8/2016	158.13	
MO-110	MU1 Overlying	3/25/2016	156.36	
MO-111	MU1 Overlying	1/6/2016	161.59	
MO-111	MU1 Overlying	1/22/2016	161.99	
MO-111	MU1 Overlying	2/10/2016	158.32	
MO-111	MU1 Overlying	2/22/2016	159.16	
MO-111	MU1 Overlying	3/8/2016	160.32	
MO-111	MU1 Overlying	3/25/2016	158.72	
MO-112	MU1 Overlying	1/6/2016	164.67	
MO-112	MU1 Overlying	1/22/2016	165.41	
MO-112	MU1 Overlying	2/10/2016	160.97	
MO-112	MU1 Overlying	2/22/2016	159.39	
MO-112	MU1 Overlying	3/8/2016	160.26	
MO-112	MU1 Overlying	3/25/2016	159.32	
MO-113	MU1 Overlying	1/6/2016	167.55	
MO-113	MU1 Overlying	1/22/2016	168.29	
MO-113	MU1 Overlying	2/10/2016	161.26	
MO-113	MU1 Overlying	2/22/2016	160.96	
MO-113	MU1 Overlying	3/8/2016	161.51	
MO-113	MU1 Overlying	3/25/2016	160.12	
MO-LC0254	MU1 Overlying	1/6/2016	167.69	
MO-LC0254	MU1 Overlying	1/22/2016	168.31	

Attachment 3: Groundwater Level Measurement Data
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Lost Creek ISR Project PT788

Well ID	Well Type	Measure Date	Depth to Water (ft-bmp)	Comments
MO-LC0254	MU1 Overlying	2/10/2016	171.98	
MO-LC0254	MU1 Overlying	2/22/2016	170.32	
MO-LC0254	MU1 Overlying	3/8/2016	172.12	
MO-LC0254	MU1 Overlying	3/25/2016	171.69	
MU-101	MU1 Underlying	1/6/2016	193.63	
MU-101	MU1 Underlying	1/20/2016	195.43	
MU-101	MU1 Underlying	2/9/2016	196.03	
MU-101	MU1 Underlying	2/19/2016	194.86	
MU-101	MU1 Underlying	3/7/2016	195.61	
MU-101	MU1 Underlying	3/24/2016	192.80	
MU-102	MU1 Underlying	1/6/2016	195.95	
MU-102	MU1 Underlying	1/20/2016	197.47	
MU-102	MU1 Underlying	2/9/2016	197.51	
MU-102	MU1 Underlying	2/19/2016	195.68	
MU-102	MU1 Underlying	3/7/2016	195.21	
MU-102	MU1 Underlying	3/24/2016	194.30	
MU-103	MU1 Underlying	1/6/2016	191.28	
MU-103	MU1 Underlying	1/20/2016	193.21	
MU-103	MU1 Underlying	2/9/2016	193.54	
MU-103	MU1 Underlying	2/19/2016	191.69	
MU-103	MU1 Underlying	3/7/2016	194.63	
MU-103	MU1 Underlying	3/24/2016	190.32	
MU-104A	MU1 Underlying	1/6/2016	177.77	New well
MU-104A	MU1 Underlying	1/12/2016	177.78	
MU-104A	MU1 Underlying	1/18/2016	NM	Not measured
MU-104A	MU1 Underlying	1/20/2016	177.58	
MU-104B	MU1 Underlying	2/16/2016	203.28	New well
MU-104B	MU1 Underlying	2/26/2016	199.23	
MU-104B	MU1 Underlying	3/7/2016	198.69	
MU-104B	MU1 Underlying	3/24/2016	198.61	
MU-105	MU1 Underlying	1/6/2016	203.65	
MU-105	MU1 Underlying	1/25/2016	204.39	
MU-105	MU1 Underlying	2/9/2016	204.95	
MU-105	MU1 Underlying	3/7/2016	202.89	
MU-105	MU1 Underlying	3/25/2016	200.23	
MU-106	MU1 Underlying	1/6/2016	203.69	
MU-106	MU1 Underlying	1/22/2016	203.96	
MU-106	MU1 Underlying	2/10/2016	198.37	
MU-106	MU1 Underlying	2/22/2016	197.10	
MU-106	MU1 Underlying	3/8/2016	198.22	
MU-106	MU1 Underlying	3/25/2016	197.81	
MU-107	MU1 Underlying	1/6/2016	196.67	
MU-107	MU1 Underlying	1/22/2016	197.86	
MU-107	MU1 Underlying	2/10/2016	197.33	
MU-107	MU1 Underlying	2/22/2016	195.62	
MU-107	MU1 Underlying	3/8/2016	194.38	
MU-107	MU1 Underlying	3/25/2016	192.21	
KPW-2	MU1 Underlying	1/22/2016	201.49	
KPW-2	MU1 Underlying	2/10/2016	197.47	

Attachment 3: Groundwater Level Measurement Data
1st Quarter 2016
Lost Creek ISR Project PT788

Well ID	Well Type	Measure Date	Depth to Water (ft-bmp)	Comments
KPW-2	MU1 Underlying	2/22/2016	195.56	
KPW-2	MU1 Underlying	3/8/2016	194.19	
KPW-2	MU1 Underlying	3/25/2016	192.29	
MU-109	MU1 Underlying	1/6/2016	205.72	
MU-109	MU1 Underlying	1/22/2016	206.32	
MU-109	MU1 Underlying	2/10/2016	201.80	
MU-109	MU1 Underlying	2/22/2016	199.16	
MU-109	MU1 Underlying	3/8/2016	200.72	
MU-109	MU1 Underlying	3/25/2016	199.36	
MU-110	MU1 Underlying	1/6/2016	204.79	
MU-110	MU1 Underlying	1/22/2016	205.16	
MU-110	MU1 Underlying	2/10/2016	201.81	
MU-110	MU1 Underlying	2/22/2016	199.82	
MU-110	MU1 Underlying	3/8/2016	200.21	
MU-110	MU1 Underlying	3/25/2016	198.59	
MU-111	MU1 Underlying	1/6/2016	201.55	
MU-111	MU1 Underlying	1/22/2016	202.04	
MU-111	MU1 Underlying	2/10/2016	201.60	
MU-111	MU1 Underlying	2/22/2016	200.03	
MU-111	MU1 Underlying	3/8/2016	200.74	
MU-111	MU1 Underlying	3/25/2016	199.51	
MU-112	MU1 Underlying	1/6/2016	202.29	
MU-112	MU1 Underlying	1/22/2016	202.89	
MU-112	MU1 Underlying	2/10/2016	202.13	
MU-112	MU1 Underlying	2/22/2016	200.86	
MU-112	MU1 Underlying	3/8/2016	201.19	
MU-112	MU1 Underlying	3/25/2016	199.86	
MU-113	MU1 Underlying	1/6/2016	192.32	
MU-113	MU1 Underlying	1/22/2016	193.06	
MU-113	MU1 Underlying	2/10/2016	190.72	
MU-113	MU1 Underlying	2/22/2016	189.16	
MU-113	MU1 Underlying	3/8/2016	190.71	
MU-113	MU1 Underlying	3/25/2016	190.21	
TW1-1	MU1 Trend	1/6/2016	171.39	
TW1-1	MU1 Trend	1/22/2016	172.62	
TW1-1	MU1 Trend	2/10/2016	171.89	
TW1-1	MU1 Trend	2/22/2016	170.21	
TW1-1	MU1 Trend	3/8/2016	171.63	
TW1-1	MU1 Trend	3/25/2016	170.73	
OW1-1	MU1 Observation	1/6/2016	190.78	
OW1-1	MU1 Observation	1/22/2016	190.81	
OW1-1	MU1 Observation	2/10/2016	190.64	
OW1-1	MU1 Observation	2/22/2016	190.29	
OW1-1	MU1 Observation	3/8/2016	190.43	
OW1-1	MU1 Observation	3/25/2016	190.19	
LC15M	Regional	3/29/2016	161.62	
LC16M	Regional	3/29/2016	166.86	
LC17M	Regional	3/29/2016	191.21	
LC18M	Regional	3/29/2016	168.73	

Attachment 3: Groundwater Level Measurement Data
1st Quarter 2016
Lost Creek ISR Project PT788

Well ID	Well Type	Measure Date	Depth to Water (ft-bmp)	Comments
LC19M	Regional	3/29/2016	184.68	
LC20M	Regional	3/29/2016	206.27	
LC21M	Regional	3/29/2016	199.03	
LC22MA	Regional	3/29/2016	211.00	
LC23M	Regional	3/29/2016	222.68	
LC24M	Regional	3/29/2016	194.69	
LC25MA	Regional	3/29/2016	169.76	
LC26M	Regional	3/29/2016	175.70	
LC27M	Regional	3/28/2016	192.27	
LC28M	Regional	3/28/2016	155.76	
LC29M	Regional	3/28/2016	159.17	Insufficient water
LC30M	Regional	3/28/2016	200.03	
LC31M	Regional	3/28/2016	144.68	
MB-01	Regional	3/28/2016	235.43	
MB-02	Regional	3/28/2016	242.93	
MB-03B	Regional	3/28/2016	265.01	Insufficient water
MB-04	Regional	3/28/2016	277.03	
MB-05	Regional	3/28/2016	144.87	
MB-06	Regional	3/28/2016	143.33	
MB-07	Regional	3/28/2016	164.21	
MB-08	Regional	3/28/2016	172.08	
MB-09	Regional	3/28/2016	185.20	
MB-10	Regional	3/28/2016	169.30	Insufficient water

ft-bmp: feet below measuring point

MU1: Mine Unit 1

ND: No water detected

Attachment 4: MU1 Water Quality Data
1st Quarter 2016
Lost Creek ISR Project PT788

Well ID	Well Type	Collection Date	Days Apart	Alkalinity (mg/L)			Chloride (mg/L)			Specific Conductance @ 25°C (µS/cm)			Comments
				Assay	UCL [†]	% Chg	Assay	UCL [†]	% Chg	Assay	UCL [†]	% Chg	
M-101	MU1 Ring	1/5/2016	--	107	186.2	-43	6.4	20.5	-69	647	1012.4	-36	
M-101	MU1 Ring	1/20/2016	15	117	186.2	-37	0.0	20.5	-100	665	1012.4	-34	
M-101	MU1 Ring	2/8/2016	19	118	186.2	-36	5.6	20.5	-72	664	1012.4	-34	
M-101	MU1 Ring	2/18/2016	10	115	186.2	-38	5.8	20.5	-72	670	1012.4	-34	
M-101	MU1 Ring	3/4/2016	15	120	186.2	-36	5.6	20.5	-73	665	1012.4	-34	
M-101	MU1 Ring	3/24/2016	20	113	186.2	-40	6.7	20.5	-67	656	1012.4	-35	
M-102	MU1 Ring	1/5/2016	--	138	186.2	-26	5.9	20.5	-71	803	1012.4	-21	
M-102	MU1 Ring	1/20/2016	15	142	186.2	-24	1.4	20.5	-93	821	1012.4	-19	
M-102	MU1 Ring	2/8/2016	19	135	186.2	-28	5.7	20.5	-72	807	1012.4	-20	
M-102	MU1 Ring	2/18/2016	10	143	186.2	-23	6.5	20.5	-68	803	1012.4	-21	
M-102	MU1 Ring	3/4/2016	15	131	186.2	-30	6.4	20.5	-69	798	1012.4	-21	
M-102	MU1 Ring	3/24/2016	20	142	186.2	-24	6.5	20.5	-68	794	1012.4	-22	
M-103A	MU1 Ring	1/6/2016	--	137	186.2	-26	5.8	20.5	-72	824	1012.4	-19	
M-103A	MU1 Ring	1/20/2016	14	137	186.2	-27	3.3	20.5	-84	843	1012.4	-17	
M-103A	MU1 Ring	2/8/2016	19	138	186.2	-26	6.4	20.5	-69	830	1012.4	-18	
M-103A	MU1 Ring	2/18/2016	10	134	186.2	-28	11.9	20.5	-42	831	1012.4	-18	
M-103A	MU1 Ring	3/4/2016	15	135	186.2	-28	6.4	20.5	-69	825	1012.4	-19	
M-103A	MU1 Ring	3/24/2016	20	133	186.2	-29	5.9	20.5	-71	822	1012.4	-19	
M-104	MU1 Ring	1/6/2016	--	140	186.2	-25	6.8	20.5	-67	840	1012.4	-17	
M-104	MU1 Ring	1/20/2016	14	141	186.2	-24	5.5	20.5	-73	834	1012.4	-18	
M-104	MU1 Ring	2/8/2016	19	141	186.2	-25	7.3	20.5	-65	824	1012.4	-19	
M-104	MU1 Ring	2/18/2016	10	139	186.2	-25	10.6	20.5	-48	824	1012.4	-19	
M-104	MU1 Ring	3/4/2016	15	131	186.2	-29	6.2	20.5	-70	754	1012.4	-26	
M-104	MU1 Ring	3/24/2016	20	129	186.2	-31	5.9	20.5	-71	744	1012.4	-27	
M-105	MU1 Ring	1/6/2016	--	125	186.2	-33	7.7	20.5	-63	689	1012.4	-32	
M-105	MU1 Ring	1/20/2016	14	119	186.2	-36	5.6	20.5	-73	597	1012.4	-41	
M-105	MU1 Ring	2/8/2016	19	113	186.2	-39	5.8	20.5	-72	599	1012.4	-41	
M-105	MU1 Ring	2/18/2016	10	116	186.2	-38	5.5	20.5	-73	601	1012.4	-41	
M-105	MU1 Ring	3/4/2016	15	110	186.2	-41	5.8	20.5	-72	597	1012.4	-41	
M-105	MU1 Ring	3/24/2016	20	115	186.2	-38	6.2	20.5	-70	636	1012.4	-37	
M-106	MU1 Ring	1/6/2016	--	119	186.2	-36	6.4	20.5	-69	681	1012.4	-33	
M-106	MU1 Ring	1/20/2016	14	115	186.2	-38	5.7	20.5	-72	639	1012.4	-37	
M-106	MU1 Ring	2/8/2016	19	119	186.2	-36	5.3	20.5	-74	637	1012.4	-37	
M-106	MU1 Ring	2/18/2016	10	117	186.2	-37	5.5	20.5	-73	626	1012.4	-38	
M-106	MU1 Ring	3/4/2016	15	127	186.2	-32	6.0	20.5	-71	632	1012.4	-38	
M-106	MU1 Ring	3/24/2016	20	114	186.2	-39	6.6	20.5	-68	628	1012.4	-38	
M-107	MU1 Ring	1/6/2016	--	124	186.2	-34	5.9	20.5	-71	682	1012.4	-33	
M-107	MU1 Ring	1/20/2016	14	122	186.2	-34	5.6	20.5	-73	688	1012.4	-32	
M-107	MU1 Ring	2/8/2016	19	119	186.2	-36	6.1	20.5	-70	681	1012.4	-33	
M-107	MU1 Ring	2/18/2016	10	121	186.2	-35	6.6	20.5	-68	680	1012.4	-33	
M-107	MU1 Ring	3/4/2016	15	118	186.2	-37	6.4	20.5	-69	683	1012.4	-33	
M-107	MU1 Ring	3/24/2016	20	121	186.2	-35	7.1	20.5	-65	681	1012.4	-33	
M-108	MU1 Ring	1/6/2016	--	106	186.2	-43	5.8	20.5	-72	548	1012.4	-46	
M-108	MU1 Ring	1/20/2016	14	107	186.2	-42	5.1	20.5	-75	553	1012.4	-45	
M-108	MU1 Ring	2/9/2016	20	106	186.2	-43	6.8	20.5	-67	543	1012.4	-46	
M-108	MU1 Ring	2/19/2016	10	106	186.2	-43	6.9	20.5	-66	542	1012.4	-46	
M-108	MU1 Ring	3/4/2016	14	107	186.2	-43	6.1	20.5	-70	541	1012.4	-47	
M-108	MU1 Ring	3/24/2016	20	106	186.2	-43	5.8	20.5	-72	548	1012.4	-46	
M-109	MU1 Ring	1/6/2016	--	113	186.2	-39	6.1	20.5	-70	586	1012.4	-42	
M-109	MU1 Ring	1/20/2016	14	107	186.2	-43	6.3	20.5	-69	585	1012.4	-42	
M-109	MU1 Ring	2/9/2016	20	108	186.2	-42	6.5	20.5	-68	573	1012.4	-43	
M-109	MU1 Ring	2/19/2016	10	109	186.2	-42	6.0	20.5	-71	575	1012.4	-43	
M-109	MU1 Ring	3/4/2016	14	108	186.2	-42	5.6	20.5	-73	576	1012.4	-43	
M-109	MU1 Ring	3/24/2016	20	102	186.2	-45	5.7	20.5	-72	572	1012.4	-44	
M-110	MU1 Ring	1/6/2016	--	110	186.2	-41	7.2	20.5	-65	569	1012.4	-44	
M-110	MU1 Ring	1/20/2016	14	116	186.2	-38	7.5	20.5	-64	592	1012.4	-42	
M-110	MU1 Ring	2/9/2016	20	109	186.2	-41	6.9	20.5	-66	573	1012.4	-43	
M-110	MU1 Ring	2/19/2016	10	113	186.2	-39	6.3	20.5	-69	572	1012.4	-44	
M-110	MU1 Ring	3/4/2016	14	109	186.2	-41	6.4	20.5	-69	572	1012.4	-44	
M-110	MU1 Ring	3/24/2016	20	111	186.2	-40	7.5	20.5	-63	562	1012.4	-44	
M-111	MU1 Ring	1/6/2016	--	112	186.2	-40	6.3	20.5	-69	551	1012.4	-46	
M-111	MU1 Ring	1/20/2016	14	113	186.2	-40	5.8	20.5	-72	560	1012.4	-45	
M-111	MU1 Ring	2/9/2016	20	113	186.2	-39	5.3	20.5	-74	556	1012.4	-45	
M-111	MU1 Ring	2/19/2016	10	109	186.2	-41	5.7	20.5	-72	563	1012.4	-44	
M-111	MU1 Ring	3/4/2016	14	115	186.2	-38	6.0	20.5	-71	565	1012.4	-44	
M-111	MU1 Ring	3/24/2016	20	109	186.2	-42	7.7	20.5	-63	569	1012.4	-44	

Attachment 4: MU1 Water Quality Data
1st Quarter 2016
Lost Creek ISR Project PT788

Well ID	Well Type	Collection Date	Days Apart	Alkalinity (mg/L)			Chloride (mg/L)			Specific Conductance @ 25°C (µS/cm)			Comments
				Assay	UCL [†]	% Chg	Assay	UCL [†]	% Chg	Assay	UCL [†]	% Chg	
M-112	MU1 Ring	1/6/2016	--	108	186.2	-42	5.4	20.5	-74	560	1012.4	-45	
M-112	MU1 Ring	1/20/2016	14	109	186.2	-41	5.4	20.5	-74	560	1012.4	-45	
M-112	MU1 Ring	2/9/2016	20	109	186.2	-42	5.9	20.5	-71	559	1012.4	-45	
M-112	MU1 Ring	2/19/2016	10	114	186.2	-39	6.8	20.5	-67	561	1012.4	-45	
M-112	MU1 Ring	3/4/2016	14	108	186.2	-42	5.8	20.5	-71	558	1012.4	-45	
M-112	MU1 Ring	3/24/2016	20	107	186.2	-43	5.5	20.5	-73	553	1012.4	-45	
M-113	MU1 Ring	1/6/2016	--	99	186.2	-47	5.1	20.5	-75	515	1012.4	-49	
M-113	MU1 Ring	1/19/2016	13	101	186.2	-46	5.3	20.5	-74	516	1012.4	-49	
M-113	MU1 Ring	2/4/2016	16	101	186.2	-46	6.2	20.5	-70	512	1012.4	-49	
M-113	MU1 Ring	2/17/2016	13	99	186.2	-47	5.7	20.5	-72	513	1012.4	-49	
M-113	MU1 Ring	3/2/2016	14	99	186.2	-47	5.1	20.5	-75	512	1012.4	-49	
M-113	MU1 Ring	3/22/2016	20	101	186.2	-46	5.5	20.5	-73	511	1012.4	-50	
M-114A	MU1 Ring	1/5/2016	--	108	186.2	-42	5.6	20.5	-73	524	1012.4	-48	
M-114A	MU1 Ring	1/19/2016	14	109	186.2	-42	5.7	20.5	-72	528	1012.4	-48	
M-114A	MU1 Ring	2/4/2016	16	109	186.2	-41	5.5	20.5	-73	524	1012.4	-48	
M-114A	MU1 Ring	2/17/2016	13	103	186.2	-45	5.0	20.5	-75	527	1012.4	-48	
M-114A	MU1 Ring	3/2/2016	14	107	186.2	-43	5.0	20.5	-75	524	1012.4	-48	
M-114A	MU1 Ring	3/22/2016	20	104	186.2	-44	6.1	20.5	-70	520	1012.4	-49	
M-115A	MU1 Ring	1/5/2016	--	113	186.2	-40	5.6	20.5	-73	496	1012.4	-51	
M-115A	MU1 Ring	1/19/2016	14	102	186.2	-45	5.6	20.5	-73	498	1012.4	-51	
M-115A	MU1 Ring	2/4/2016	16	103	186.2	-45	4.9	20.5	-76	494	1012.4	-51	
M-115A	MU1 Ring	2/17/2016	13	105	186.2	-44	5.2	20.5	-75	497	1012.4	-51	
M-115A	MU1 Ring	3/2/2016	14	102	186.2	-45	5.4	20.5	-74	495	1012.4	-51	
M-115A	MU1 Ring	3/22/2016	20	98	186.2	-47	5.3	20.5	-74	491	1012.4	-52	
M-116A	MU1 Ring	1/5/2016	--	102	186.2	-45	5.3	20.5	-74	497	1012.4	-51	
M-116A	MU1 Ring	1/19/2016	14	101	186.2	-46	5.3	20.5	-74	501	1012.4	-51	
M-116A	MU1 Ring	2/4/2016	16	101	186.2	-46	5.5	20.5	-73	493	1012.4	-51	
M-116A	MU1 Ring	2/17/2016	13	103	186.2	-44	5.9	20.5	-71	497	1012.4	-51	
M-116A	MU1 Ring	3/2/2016	14	101	186.2	-46	5.3	20.5	-74	497	1012.4	-51	
M-116A	MU1 Ring	3/22/2016	20	99	186.2	-47	4.8	20.5	-77	492	1012.4	-51	
M-117	MU1 Ring	1/5/2016	--	106	186.2	-43	4.9	20.5	-76	484	1012.4	-52	
M-117	MU1 Ring	1/19/2016	14	105	186.2	-44	4.9	20.5	-76	489	1012.4	-52	
M-117	MU1 Ring	2/4/2016	16	104	186.2	-44	5.7	20.5	-72	482	1012.4	-52	
M-117	MU1 Ring	2/17/2016	13	102	186.2	-45	5.3	20.5	-74	487	1012.4	-52	
M-117	MU1 Ring	3/2/2016	14	105	186.2	-43	4.7	20.5	-77	484	1012.4	-52	
M-117	MU1 Ring	3/22/2016	20	107	186.2	-43	5.2	20.5	-75	482	1012.4	-52	
M-118	MU1 Ring	1/5/2016	--	108	186.2	-42	5.4	20.5	-74	499	1012.4	-51	
M-118	MU1 Ring	1/19/2016	14	121	186.2	-35	5.4	20.5	-74	502	1012.4	-50	
M-118	MU1 Ring	2/4/2016	16	111	186.2	-41	5.4	20.5	-73	494	1012.4	-51	
M-118	MU1 Ring	2/17/2016	13	109	186.2	-41	5.2	20.5	-74	499	1012.4	-51	
M-118	MU1 Ring	3/2/2016	14	111	186.2	-41	5.0	20.5	-76	499	1012.4	-51	
M-118	MU1 Ring	3/22/2016	20	108	186.2	-42	6.0	20.5	-71	494	1012.4	-51	
M-119	MU1 Ring	1/5/2016	--	111	186.2	-41	6.0	20.5	-71	484	1012.4	-52	
M-119	MU1 Ring	1/19/2016	14	112	186.2	-40	6.2	20.5	-70	491	1012.4	-52	
M-119	MU1 Ring	2/4/2016	16	115	186.2	-38	5.2	20.5	-75	488	1012.4	-52	
M-119	MU1 Ring	2/17/2016	13	113	186.2	-39	6.0	20.5	-71	492	1012.4	-51	
M-119	MU1 Ring	3/2/2016	14	107	186.2	-43	6.0	20.5	-71	487	1012.4	-52	
M-119	MU1 Ring	3/22/2016	20	106	186.2	-43	5.5	20.5	-73	481	1012.4	-52	
M-120A	MU1 Ring	1/5/2016	--	111	186.2	-40	5.7	20.5	-72	486	1012.4	-52	
M-120A	MU1 Ring	1/19/2016	14	111	186.2	-41	5.6	20.5	-73	486	1012.4	-52	
M-120A	MU1 Ring	2/4/2016	16	110	186.2	-41	5.6	20.5	-73	498	1012.4	-51	
M-120A	MU1 Ring	2/17/2016	13	105	186.2	-43	6.6	20.5	-68	498	1012.4	-51	
M-120A	MU1 Ring	3/2/2016	14	109	186.2	-41	5.7	20.5	-72	483	1012.4	-52	
M-120A	MU1 Ring	3/22/2016	20	107	186.2	-43	5.2	20.5	-75	472	1012.4	-53	
M-121	MU1 Ring	1/5/2016	--	112	186.2	-40	5.7	20.5	-72	516	1012.4	-49	
M-121	MU1 Ring	1/19/2016	14	108	186.2	-42	6.0	20.5	-71	511	1012.4	-50	
M-121	MU1 Ring	2/4/2016	16	109	186.2	-42	5.2	20.5	-75	516	1012.4	-49	
M-121	MU1 Ring	2/17/2016	13	108	186.2	-42	5.3	20.5	-74	514	1012.4	-49	
M-121	MU1 Ring	3/2/2016	14	106	186.2	-43	5.5	20.5	-73	513	1012.4	-49	
M-121	MU1 Ring	3/22/2016	20	113	186.2	-39	5.5	20.5	-73	516	1012.4	-49	
M-122	MU1 Ring	1/5/2016	--	110	186.2	-41	5.0	20.5	-75	508	1012.4	-50	
M-122	MU1 Ring	1/19/2016	14	111	186.2	-40	5.3	20.5	-74	502	1012.4	-50	
M-122	MU1 Ring	2/4/2016	16	113	186.2	-39	5.9	20.5	-71	508	1012.4	-50	
M-122	MU1 Ring	2/17/2016	13	113	186.2	-40	6.4	20.5	-69	509	1012.4	-50	
M-122	MU1 Ring	3/2/2016	14	115	186.2	-38	5.4	20.5	-74	506	1012.4	-50	
M-122	MU1 Ring	3/22/2016	20	108	186.2	-42	5.8	20.5	-72	506	1012.4	-50	

Attachment 4: MU1 Water Quality Data
1st Quarter 2016
Lost Creek ISR Project PT788

Well ID	Well Type	Collection Date	Days Apart	Alkalinity (mg/L)			Chloride (mg/L)			Specific Conductance @ 25°C (µS/cm)			Comments
				Assay	UCL [†]	% Chg	Assay	UCL [†]	% Chg	Assay	UCL [†]	% Chg	
M-123	MU1 Ring	1/5/2016	--	112	186.2	-40	5.0	20.5	-76	499	1012.4	-51	
M-123	MU1 Ring	1/19/2016	14	114	186.2	-39	4.8	20.5	-76	497	1012.4	-51	
M-123	MU1 Ring	2/8/2016	20	110	186.2	-41	5.7	20.5	-72	500	1012.4	-51	
M-123	MU1 Ring	2/18/2016	10	113	186.2	-39	5.7	20.5	-72	498	1012.4	-51	
M-123	MU1 Ring	3/2/2016	13	120	186.2	-36	4.9	20.5	-76	496	1012.4	-51	
M-123	MU1 Ring	3/22/2016	20	112	186.2	-40	5.3	20.5	-74	498	1012.4	-51	
M-124	MU1 Ring	1/5/2016	--	113	186.2	-39	5.6	20.5	-73	469	1012.4	-54	
M-124	MU1 Ring	1/19/2016	14	108	186.2	-42	4.7	20.5	-77	469	1012.4	-54	
M-124	MU1 Ring	2/8/2016	20	111	186.2	-40	5.0	20.5	-76	471	1012.4	-53	
M-124	MU1 Ring	2/18/2016	10	108	186.2	-42	5.5	20.5	-73	472	1012.4	-53	
M-124	MU1 Ring	3/2/2016	13	111	186.2	-40	4.9	20.5	-76	467	1012.4	-54	
M-124	MU1 Ring	3/22/2016	20	113	186.2	-39	4.9	20.5	-76	470	1012.4	-54	
M-125	MU1 Ring	1/5/2016	--	105	186.2	-44	6.6	20.5	-68	549	1012.4	-46	
M-125	MU1 Ring	1/19/2016	14	110	186.2	-41	6.8	20.5	-67	543	1012.4	-46	
M-125	MU1 Ring	2/8/2016	20	108	186.2	-42	5.5	20.5	-73	547	1012.4	-46	
M-125	MU1 Ring	2/18/2016	10	110	186.2	-41	6.3	20.5	-69	549	1012.4	-46	
M-125	MU1 Ring	3/2/2016	13	108	186.2	-42	6.7	20.5	-67	547	1012.4	-46	
M-125	MU1 Ring	3/22/2016	20	104	186.2	-44	6.3	20.5	-69	547	1012.4	-46	
M-126	MU1 Ring	1/5/2016	--	107	186.2	-42	5.8	20.5	-72	527	1012.4	-48	
M-126	MU1 Ring	1/19/2016	14	106	186.2	-43	6.2	20.5	-70	527	1012.4	-48	
M-126	MU1 Ring	2/8/2016	20	103	186.2	-45	6.3	20.5	-69	527	1012.4	-48	
M-126	MU1 Ring	2/18/2016	10	104	186.2	-44	6.1	20.5	-70	530	1012.4	-48	
M-126	MU1 Ring	3/4/2016	15	105	186.2	-43	5.8	20.5	-72	528	1012.4	-48	
M-126	MU1 Ring	3/22/2016	18	110	186.2	-41	7.3	20.5	-65	530	1012.4	-48	
M-127	MU1 Ring	1/5/2016	--	112	186.2	-40	5.6	20.5	-73	542	1012.4	-46	
M-127	MU1 Ring	1/19/2016	14	106	186.2	-43	5.6	20.5	-73	530	1012.4	-48	
M-127	MU1 Ring	2/8/2016	20	109	186.2	-41	6.5	20.5	-68	538	1012.4	-47	
M-127	MU1 Ring	2/18/2016	10	110	186.2	-41	6.6	20.5	-68	541	1012.4	-47	
M-127	MU1 Ring	3/4/2016	15	110	186.2	-41	6.3	20.5	-69	539	1012.4	-47	
M-127	MU1 Ring	3/22/2016	18	108	186.2	-42	8.6	20.5	-58	547	1012.4	-46	
M-128	MU1 Ring	1/5/2016	--	108	186.2	-42	6.3	20.5	-69	560	1012.4	-45	
M-128	MU1 Ring	1/19/2016	14	114	186.2	-39	5.6	20.5	-73	546	1012.4	-46	
M-128	MU1 Ring	2/8/2016	20	112	186.2	-40	5.8	20.5	-72	563	1012.4	-44	
M-128	MU1 Ring	2/18/2016	10	112	186.2	-40	5.8	20.5	-72	569	1012.4	-44	
M-128	MU1 Ring	3/4/2016	15	111	186.2	-41	6.3	20.5	-69	563	1012.4	-44	
M-128	MU1 Ring	3/24/2016	20	108	186.2	-42	16.0	20.5	-22	610	1012.4	-40	
MO-101	MU1 Overlying	1/6/2016	--	107	182.1	-41	8.2	21.4	-61	648	921.7	-30	
MO-101	MU1 Overlying	1/20/2016	14	106	182.1	-42	8.6	21.4	-60	643	921.7	-30	
MO-101	MU1 Overlying	2/9/2016	20	103	182.1	-43	7.2	21.4	-66	646	921.7	-30	
MO-101	MU1 Overlying	2/19/2016	10	103	182.1	-43	7.0	21.4	-67	649	921.7	-30	
MO-101	MU1 Overlying	3/7/2016	17	105	182.1	-42	8.2	21.4	-61	646	921.7	-30	
MO-101	MU1 Overlying	3/24/2016	17	110	182.1	-40	8.3	21.4	-61	650	921.7	-29	
MO-102	MU1 Overlying	1/6/2016	--	100	182.1	-45	6.7	21.4	-68	589	921.7	-36	
MO-102	MU1 Overlying	1/20/2016	14	98	182.1	-46	7.2	21.4	-66	580	921.7	-37	
MO-102	MU1 Overlying	2/9/2016	20	99	182.1	-46	7.0	21.4	-67	591	921.7	-36	
MO-102	MU1 Overlying	2/19/2016	10	99	182.1	-46	6.8	21.4	-68	590	921.7	-36	
MO-102	MU1 Overlying	3/7/2016	17	99	182.1	-46	6.5	21.4	-69	589	921.7	-36	
MO-102	MU1 Overlying	3/24/2016	17	99	182.1	-46	7.7	21.4	-64	592	921.7	-36	
MO-103	MU1 Overlying	1/6/2016	--	108	182.1	-41	8.1	21.4	-62	680	921.7	-26	
MO-103	MU1 Overlying	1/20/2016	14	114	182.1	-37	10.0	21.4	-53	675	921.7	-27	
MO-103	MU1 Overlying	2/9/2016	20	114	182.1	-37	9.8	21.4	-54	680	921.7	-26	
MO-103	MU1 Overlying	2/19/2016	10	115	182.1	-37	9.5	21.4	-56	683	921.7	-26	
MO-103	MU1 Overlying	3/7/2016	17	113	182.1	-38	8.1	21.4	-62	680	921.7	-26	
MO-103	MU1 Overlying	3/24/2016	17	107	182.1	-41	8.7	21.4	-59	686	921.7	-26	
MO-104	MU1 Overlying	1/12/2016	--	112	182.1	-39	8.9	21.4	-58	590	921.7	-36	
MO-104	MU1 Overlying	1/25/2016	13	114	182.1	-38	8.6	21.4	-60	606	921.7	-34	
MO-104	MU1 Overlying	2/9/2016	15	111	182.1	-39	8.5	21.4	-60	607	921.7	-34	
MO-104	MU1 Overlying	2/19/2016	10	112	182.1	-39	8.7	21.4	-59	611	921.7	-34	
MO-104	MU1 Overlying	3/7/2016	17	116	182.1	-36	9.2	21.4	-57	612	921.7	-34	
MO-104	MU1 Overlying	3/24/2016	17	118	182.1	-35	8.6	21.4	-60	613	921.7	-33	
MO-105	MU1 Overlying	1/6/2016	--	104	182.1	-43	5.3	21.4	-75	483	921.7	-48	
MO-105	MU1 Overlying	1/21/2016	15	101	182.1	-45	6.1	21.4	-72	485	921.7	-47	
MO-105	MU1 Overlying	2/9/2016	19	103	182.1	-43	5.1	21.4	-76	483	921.7	-48	
MO-105	MU1 Overlying	2/19/2016	10	104	182.1	-43	5.0	21.4	-77	482	921.7	-48	
MO-105	MU1 Overlying	3/7/2016	17	106	182.1	-42	6.2	21.4	-71	484	921.7	-47	
MO-105	MU1 Overlying	3/25/2016	18	101	182.1	-45	5.7	21.4	-73	482	921.7	-48	

Attachment 4: MU1 Water Quality Data
1st Quarter 2016
Lost Creek ISR Project PT788

Well ID	Well Type	Collection Date	Days Apart	Alkalinity (mg/L)			Chloride (mg/L)			Specific Conductance @ 25°C (µS/cm)			Comments
				Assay	UCL [†]	% Chg	Assay	UCL [†]	% Chg	Assay	UCL [†]	% Chg	
MO-106	MU1 Overlying	1/7/2016	--	107	182.1	-41	6.2	21.4	-71	462	921.7	-50	
MO-106	MU1 Overlying	1/21/2016	14	111	182.1	-39	6.7	21.4	-68	461	921.7	-50	
MO-106	MU1 Overlying	2/10/2016	20	96	182.1	-47	5.4	21.4	-75	464	921.7	-50	
MO-106	MU1 Overlying	2/22/2016	12	100	182.1	-45	5.9	21.4	-72	468	921.7	-49	
MO-106	MU1 Overlying	3/8/2016	15	96	182.1	-47	6.1	21.4	-71	468	921.7	-49	
MO-106	MU1 Overlying	3/25/2016	17	94	182.1	-49	6.5	21.4	-70	464	921.7	-50	
MO-107	MU1 Overlying	1/7/2016	--	102	182.1	-44	8.0	21.4	-63	495	921.7	-46	
MO-107	MU1 Overlying	1/21/2016	14	103	182.1	-44	6.1	21.4	-71	474	921.7	-49	
MO-107	MU1 Overlying	2/10/2016	20	97	182.1	-47	6.3	21.4	-70	469	921.7	-49	
MO-107	MU1 Overlying	2/22/2016	12	99	182.1	-46	6.4	21.4	-70	473	921.7	-49	
MO-107	MU1 Overlying	3/8/2016	15	100	182.1	-45	6.2	21.4	-71	483	921.7	-48	
MO-107	MU1 Overlying	3/25/2016	17	99	182.1	-46	6.7	21.4	-69	478	921.7	-48	
MO-108	MU1 Overlying	1/7/2016	--	98	182.1	-46	6.1	21.4	-72	500	921.7	-46	
MO-108	MU1 Overlying	1/21/2016	14	99	182.1	-46	5.7	21.4	-74	496	921.7	-46	
MO-108	MU1 Overlying	2/10/2016	20	96	182.1	-47	6.9	21.4	-68	494	921.7	-46	
MO-108	MU1 Overlying	2/22/2016	12	97	182.1	-47	6.3	21.4	-71	500	921.7	-46	
MO-108	MU1 Overlying	3/8/2016	15	100	182.1	-45	6.7	21.4	-69	502	921.7	-46	
MO-108	MU1 Overlying	3/25/2016	17	100	182.1	-45	6.1	21.4	-71	505	921.7	-45	
MO-109	MU1 Overlying	1/7/2016	--	113	182.1	-38	9	21.4	-59	532	921.7	-42	
MO-109	MU1 Overlying	1/21/2016	14	112	182.1	-38	10.1	21.4	-53	535	921.7	-42	
MO-109	MU1 Overlying	2/10/2016	20	120	182.1	-34	9.4	21.4	-56	541	921.7	-41	
MO-109	MU1 Overlying	2/22/2016	12	116	182.1	-36	9.7	21.4	-55	556	921.7	-40	
MO-109	MU1 Overlying	3/8/2016	15	113	182.1	-38	10.4	21.4	-51	544	921.7	-41	
MO-109	MU1 Overlying	3/25/2016	17	112	182.1	-39	10.4	21.4	-51	544	921.7	-41	
MO-110	MU1 Overlying	1/7/2016	--	96	182.1	-47	5.9	21.4	-73	439	921.7	-52	
MO-110	MU1 Overlying	1/21/2016	14	98	182.1	-46	6.0	21.4	-72	436	921.7	-53	
MO-110	MU1 Overlying	2/10/2016	20	97	182.1	-47	4.9	21.4	-77	438	921.7	-52	
MO-110	MU1 Overlying	2/22/2016	12	98	182.1	-46	5.3	21.4	-75	441	921.7	-52	
MO-110	MU1 Overlying	3/8/2016	15	95	182.1	-48	5.4	21.4	-75	442	921.7	-52	
MO-110	MU1 Overlying	3/25/2016	17	93	182.1	-49	6.1	21.4	-71	439	921.7	-52	
MO-111	MU1 Overlying	1/7/2016	--	97	182.1	-47	5.8	21.4	-73	430	921.7	-53	
MO-111	MU1 Overlying	1/21/2016	14	98	182.1	-46	5.5	21.4	-74	428	921.7	-54	
MO-111	MU1 Overlying	2/10/2016	20	98	182.1	-46	6.1	21.4	-71	430	921.7	-53	
MO-111	MU1 Overlying	2/22/2016	12	105	182.1	-42	6.1	21.4	-71	436	921.7	-53	
MO-111	MU1 Overlying	3/8/2016	15	97	182.1	-47	5.3	21.4	-75	433	921.7	-53	
MO-111	MU1 Overlying	3/25/2016	17	114	182.1	-37	6.5	21.4	-70	442	921.7	-52	
MO-112	MU1 Overlying	1/7/2016	--	92	182.1	-50	5.6	21.4	-74	406	921.7	-56	
MO-112	MU1 Overlying	1/22/2016	15	95	182.1	-48	6.2	21.4	-71	406	921.7	-56	
MO-112	MU1 Overlying	2/10/2016	19	93	182.1	-49	6.7	21.4	-69	410	921.7	-56	
MO-112	MU1 Overlying	2/22/2016	12	96	182.1	-47	6.0	21.4	-72	414	921.7	-55	
MO-112	MU1 Overlying	3/8/2016	15	99	182.1	-46	6.3	21.4	-71	413	921.7	-55	
MO-112	MU1 Overlying	3/25/2016	17	98	182.1	-46	6.5	21.4	-69	421	921.7	-54	
MO-113	MU1 Overlying	1/7/2016	--	103	182.1	-44	5.2	21.4	-76	453	921.7	-51	
MO-113	MU1 Overlying	1/22/2016	15	105	182.1	-42	5.3	21.4	-75	456	921.7	-51	
MO-113	MU1 Overlying	2/10/2016	19	100	182.1	-45	9.5	21.4	-55	452	921.7	-51	
MO-113	MU1 Overlying	2/22/2016	12	100	182.1	-45	5.3	21.4	-75	436	921.7	-53	
MO-113	MU1 Overlying	3/8/2016	15	110	182.1	-39	5.4	21.4	-75	444	921.7	-52	
MO-113	MU1 Overlying	3/25/2016	17	103	182.1	-44	5.6	21.4	-74	440	921.7	-52	
MU-101	MU1 Underlying	1/6/2016	--	110	206.0	-46	6.0	21.3	-72	541	658.9	-18	
MU-101	MU1 Underlying	1/20/2016	14	107	206.0	-48	4.9	21.3	-77	548	658.9	-17	
MU-101	MU1 Underlying	2/9/2016	20	110	206.0	-47	5.2	21.3	-76	539	658.9	-18	
MU-101	MU1 Underlying	2/19/2016	10	111	206.0	-46	4.9	21.3	-77	537	658.9	-19	
MU-101	MU1 Underlying	3/7/2016	17	114	206.0	-45	4.7	21.3	-78	544	658.9	-17	
MU-101	MU1 Underlying	3/24/2016	17	106	206.0	-48	5.1	21.3	-76	539	658.9	-18	
MU-102	MU1 Underlying	1/6/2016	--	105	206.0	-49	4.9	21.3	-77	429	658.9	-35	
MU-102	MU1 Underlying	1/20/2016	14	102	206.0	-50	5.2	21.3	-76	433	658.9	-34	
MU-102	MU1 Underlying	2/9/2016	20	104	206.0	-49	4.7	21.3	-78	424	658.9	-36	
MU-102	MU1 Underlying	2/19/2016	10	103	206.0	-50	5.3	21.3	-75	425	658.9	-36	
MU-102	MU1 Underlying	3/7/2016	17	103	206.0	-50	5.2	21.3	-75	430	658.9	-35	
MU-102	MU1 Underlying	3/24/2016	17	100	206.0	-52	5.1	21.3	-76	426	658.9	-35	
MU-103	MU1 Underlying	1/6/2016	--	99	206.0	-52	4.6	21.3	-78	420	658.9	-36	
MU-103	MU1 Underlying	1/20/2016	14	104	206.0	-50	5.2	21.3	-75	422	658.9	-36	

Attachment 4: MU1 Water Quality Data
1st Quarter 2016
Lost Creek ISR Project PT788

Well ID	Well Type	Collection Date	Days Apart	Alkalinity (mg/L)			Chloride (mg/L)			Specific Conductance @ 25°C (µS/cm)			Comments
				Assay	UCL [†]	% Chg	Assay	UCL [†]	% Chg	Assay	UCL [†]	% Chg	
MU-103	MU1 Underlying	2/9/2016	20	99	206.0	-52	5.4	21.3	-75	417	658.9	-37	
MU-103	MU1 Underlying	2/19/2016	10	99	206.0	-52	5.7	21.3	-73	416	658.9	-37	
MU-103	MU1 Underlying	3/7/2016	17	101	206.0	-51	5.4	21.3	-75	423	658.9	-36	
MU-103	MU1 Underlying	3/24/2016	17	100	206.0	-52	5.8	21.3	-73	420	658.9	-36	
MU-104A	MU1 Underlying	1/12/2016	--	--	206.0	--	--	21.3	--	--	658.9	--	Replacement well - Sample
MU-104A	MU1 Underlying	1/18/2016	--	--	206.0	--	--	21.3	--	--	658.9	--	data rejected - contaminated
MU-104A	MU1 Underlying	1/20/2016	--	--	206.0	--	--	21.3	--	--	658.9	--	with cement
MU-104A	MU1 Underlying	1/28/2016	--	146	206.0	-29	4.8	21.3	-77	501	658.9	-24	Sampled following workover
MU-104B	MU1 Underlying	2/12/2016	--	103	206.0	-50	5.2	21.3	-75	446	658.9	-32	Replacement well verification
MU-104B	MU1 Underlying	2/16/2016	--	82	206.0	-60	5.0	21.3	-76	408	658.9	-38	sample
MU-104B	MU1 Underlying	3/7/2016	20	69	206.0	-67	4.7	21.3	-78	378	658.9	-43	Routine sample - 2nd half Feb.
MU-104B	MU1 Underlying	3/24/2016	17	74	206.0	-64	5.0	21.3	-77	386	658.9	-41	
MU-105	MU1 Underlying	1/6/2016	--	111	206.0	-46	2.5	21.3	-88	439	658.9	-33	
MU-105	MU1 Underlying	1/21/2016	15	103	206.0	-50	5.1	21.3	-76	444	658.9	-33	
MU-105	MU1 Underlying	2/9/2016	19	100	206.0	-52	5.2	21.3	-75	441	658.9	-33	
MU-105	MU1 Underlying	2/19/2016	10	103	206.0	-50	4.6	21.3	-78	439	658.9	-33	
MU-105	MU1 Underlying	3/7/2016	17	104	206.0	-50	4.7	21.3	-78	445	658.9	-32	
MU-105	MU1 Underlying	3/25/2016	18	102	206.0	-51	4.9	21.3	-77	435	658.9	-34	
MU-106	MU1 Underlying	1/7/2016	--	101	206.0	-51	5.2	21.3	-76	461	658.9	-30	
MU-106	MU1 Underlying	1/21/2016	14	99	206.0	-52	5.1	21.3	-76	463	658.9	-30	
MU-106	MU1 Underlying	2/10/2016	20	102	206.0	-51	5.3	21.3	-75	457	658.9	-31	
MU-106	MU1 Underlying	2/22/2016	12	104	206.0	-50	5.0	21.3	-76	458	658.9	-30	
MU-106	MU1 Underlying	3/8/2016	15	105	206.0	-49	6.0	21.3	-72	462	658.9	-30	
MU-106	MU1 Underlying	3/25/2016	17	100	206.0	-51	5.6	21.3	-74	455	658.9	-31	
MU-107	MU1 Underlying	1/7/2016	--	100	206.0	-51	4.5	21.3	-79	467	658.9	-29	
MU-107	MU1 Underlying	1/21/2016	14	101	206.0	-51	5.1	21.3	-76	471	658.9	-29	
MU-107	MU1 Underlying	2/10/2016	20	103	206.0	-50	4.7	21.3	-78	465	658.9	-29	
MU-107	MU1 Underlying	2/22/2016	12	100	206.0	-52	5.1	21.3	-76	463	658.9	-30	
MU-107	MU1 Underlying	3/8/2016	15	101	206.0	-51	5.4	21.3	-74	471	658.9	-29	
MU-107	MU1 Underlying	3/25/2016	17	98	206.0	-53	4.8	21.3	-78	464	658.9	-30	
KPW-2	MU1 Underlying	1/7/2016	--	102	206.0	-51	5.7	21.3	-73	481	658.9	-27	
KPW-2	MU1 Underlying	1/21/2016	14	104	206.0	-50	6.2	21.3	-71	484	658.9	-27	
KPW-2	MU1 Underlying	2/10/2016	20	97	206.0	-53	5.9	21.3	-72	475	658.9	-28	
KPW-2	MU1 Underlying	2/22/2016	12	37	206.0	-82	0.0	21.3	-100	449	658.9	-32	
KPW-2	MU1 Underlying	3/8/2016	15	101	206.0	-51	5.5	21.3	-74	486	658.9	-26	
KPW-2	MU1 Underlying	3/25/2016	17	98	206.0	-53	6.5	21.3	-70	478	658.9	-27	
MU-109	MU1 Underlying	1/7/2016	--	116	206.0	-44	12.2	21.3	-42	524	658.9	-20	
MU-109	MU1 Underlying	1/21/2016	14	113	206.0	-45	10.8	21.3	-49	529	658.9	-20	
MU-109	MU1 Underlying	2/10/2016	20	109	206.0	-47	10.8	21.3	-49	512	658.9	-22	
MU-109	MU1 Underlying	2/22/2016	12	105	206.0	-49	6.1	21.3	-71	484	658.9	-27	
MU-109	MU1 Underlying	3/8/2016	15	121	206.0	-41	11.3	21.3	-47	542	658.9	-18	
MU-109	MU1 Underlying	3/25/2016	17	121	206.0	-41	12.3	21.3	-42	536	658.9	-19	
MU-110	MU1 Underlying	1/7/2016	--	90	206.0	-56	6.8	21.3	-68	463	658.9	-30	
MU-110	MU1 Underlying	1/21/2016	14	89	206.0	-57	6.5	21.3	-69	467	658.9	-29	
MU-110	MU1 Underlying	2/10/2016	20	95	206.0	-54	7.2	21.3	-66	459	658.9	-30	
MU-110	MU1 Underlying	2/22/2016	12	112	206.0	-46	11.0	21.3	-48	527	658.9	-20	
MU-110	MU1 Underlying	3/8/2016	15	90	206.0	-56	7.7	21.3	-64	468	658.9	-29	
MU-110	MU1 Underlying	3/25/2016	17	88	206.0	-57	6.8	21.3	-68	462	658.9	-30	
MU-111	MU1 Underlying	1/7/2016	--	92	206.0	-55	5.5	21.3	-74	510	658.9	-23	
MU-111	MU1 Underlying	1/21/2016	14	107	206.0	-48	5.7	21.3	-73	510	658.9	-23	
MU-111	MU1 Underlying	2/10/2016	20	90	206.0	-57	6.3	21.3	-70	507	658.9	-23	
MU-111	MU1 Underlying	2/22/2016	12	91	206.0	-56	6.2	21.3	-71	465	658.9	-29	
MU-111	MU1 Underlying	3/8/2016	15	95	206.0	-54	6.2	21.3	-71	516	658.9	-22	
MU-111	MU1 Underlying	3/25/2016	17	91	206.0	-56	5.4	21.3	-75	509	658.9	-23	
MU-112	MU1 Underlying	1/7/2016	--	94	206.0	-54	5.0	21.3	-77	446	658.9	-32	
MU-112	MU1 Underlying	1/22/2016	15	96	206.0	-54	5.5	21.3	-74	445	658.9	-32	
MU-112	MU1 Underlying	2/10/2016	19	94	206.0	-54	5.3	21.3	-75	449	658.9	-32	
MU-112	MU1 Underlying	2/22/2016	12	95	206.0	-54	5.6	21.3	-74	513	658.9	-22	
MU-112	MU1 Underlying	3/8/2016	15	94	206.0	-54	5.3	21.3	-75	447	658.9	-32	
MU-112	MU1 Underlying	3/25/2016	17	92	206.0	-55	5.6	21.3	-74	441	658.9	-33	
MU-113	MU1 Underlying	1/7/2016	--	94	206.0	-55	5.8	21.3	-73	477	658.9	-28	
MU-113	MU1 Underlying	1/22/2016	15	92	206.0	-55	5.3	21.3	-75	477	658.9	-28	
MU-113	MU1 Underlying	2/10/2016	19	93	206.0	-55	5.3	21.3	-75	474	658.9	-28	
MU-113	MU1 Underlying	2/22/2016	12	97	206.0	-53	5.6	21.3	-73	443	658.9	-33	
MU-113	MU1 Underlying	3/8/2016	15	94	206.0	-54	5.6	21.3	-73	480	658.9	-27	
MU-113	MU1 Underlying	3/25/2016	17	90	206.0	-56	5.5	21.3	-74	474	658.9	-28	
LC29M	Regional DE	N/A	--	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
MB-10	Regional DE	N/A	--	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

UCL : Upper Control Limit

[†] : UCL determined by well group (see Permit to Mine, Mine Unit 1 Report, Table MU1 4-12)

Italics : Indicates warning when result is > UCL but < 120% of UCL

Bold Italics : Indicates one value > 120% of UCL; or 2 or 3 values > UCL

Attachment 4: MU1 Water Quality Data - Quality Control
1st Quarter 2016
Lost Creek ISR Project PT788

QC Sample ID	Collection Date	QC Type	Source Sample ID	Alkalinity (mg/L)			Chloride (mg/L)			Sp. Cond. (uS/cm)		
				QC Sample Assay	Source Sample Assay	RPD	QC Sample Assay	Source Sample Assay	RPD	QC Sample Assay	Primary Sample Assay	RPD
M-129	01/05/2016	Duplicate	M-116A	106	102	4	5.3	5.3	0	502	497	1
M-129	01/19/2016	Duplicate	M-118	107	121	12	4.8	5.4	12	502	502	0
M-129	02/04/2016	Duplicate	M-113	103	101	2	5.4	6.2	15	516	512	1
M-129	02/17/2016	Duplicate	M-117	93	102	9	5.4	5.3	2	477	487	2
M-129	03/04/2016	Duplicate	M-126	110	105	5	6.3	5.8	8	535	528	1
M-129	03/22/2016	Duplicate	M-116A	104	99	5	5.1	4.8	7	497	492	1
M-130	01/05/2016	Blank	N/A	0.3	N/A	N/A	0.5	N/A	N/A	2.0	N/A	N/A
M-130	01/19/2016	Blank	N/A	0.8	N/A	N/A	0.5	N/A	N/A	2.3	N/A	N/A
M-130	02/08/2016	Blank	N/A	0.5	N/A	N/A	0.5	N/A	N/A	1.8	N/A	N/A
M-130	02/17/2016	Duplicate	M-118	103	109	6	4.8	5.2	9	491	499	2
M-130	03/04/2016	Blank	N/A	4.1	N/A	N/A	0.0	N/A	N/A	7.0	N/A	N/A
M-130	03/22/2016	Blank	N/A	1.5	N/A	N/A	0.1	N/A	N/A	3.5	N/A	N/A
M-131	01/05/2016	Duplicate	M-117	103	106	3	5.0	4.9	3	490	484	1
M-131	01/19/2016	Duplicate	M-120A	111	111	0	5.8	5.6	4	497	486	2
M-131	02/04/2016	Duplicate	M-114A	105	109	4	5.4	5.5	2	525	524	0
M-131	02/17/2016	Blank	N/A	0.4	N/A	N/A	0.5	N/A	N/A	1.9	N/A	N/A
M-131	03/04/2016	Duplicate	M-127	107	110	2	6.8	6.3	8	544	539	1
M-131	03/22/2016	Duplicate	M-117	116	107	8	5.7	5.2	9	485	482	1
M-132	01/05/2016	Blank	N/A	0.2	N/A	N/A	0.5	N/A	N/A	1.9	N/A	N/A
M-132	01/19/2016	Blank	N/A	0.5	N/A	N/A	0.5	N/A	N/A	2.0	N/A	N/A
M-132	02/08/2016	Blank	N/A	0.4	N/A	N/A	0.4	N/A	N/A	1.7	N/A	N/A
M-132	02/17/2016	Duplicate	M-118	107	109	N/A	5.5	5.2	N/A	501	499	N/A
M-132	03/04/2016	Blank	N/A	2.4	N/A	N/A	0.0	N/A	N/A	4.9	N/A	N/A
M-132	03/22/2016	Blank	N/A	2.3	N/A	N/A	0.0	N/A	N/A	5.3	N/A	N/A
MO-121	01/06/2016	Blank	N/A	0.0	N/A	N/A	0.4	N/A	N/A	1.7	N/A	N/A
MO-121	01/22/2016	Duplicate	MO-112	95	95	0	5.3	6.2	16	411	406	1
MO-121	02/10/2016	Duplicate	MO-107	97	97	0	5.5	6.3	14	467	469	0
MO-121	02/22/2016	Blank	N/A	0.5	N/A	N/A	0.5	N/A	N/A	1.8	N/A	N/A
MO-121	03/07/2016	Duplicate	MU-103	102	101	1	5.2	5.4	3	426	423	1
MO-121	03/25/2016	Duplicate	MO-108	98	100	2	7.2	6.1	17	501	505	1
MO-122	01/06/2016	Duplicate	MO-101	109	107	2	7.3	8.2	11	650	648	0
MO-122	01/21/2016	Blank	N/A	ND	N/A	N/A	0.6	N/A	N/A	1.9	N/A	N/A
MO-122	02/10/2016	Blank	N/A	0.2	N/A	N/A	0.5	N/A	N/A	1.3	N/A	N/A
MO-122	02/22/2016	Duplicate	MU-112	102	95	7	5.4	5.6	4	484	513	6
MO-122	03/07/2016	Blank	N/A	9.9	N/A	N/A	0.0	N/A	N/A	17.2	N/A	N/A
MO-122	03/25/2016	Blank	N/A	0.8	N/A	N/A	0.4	N/A	N/A	1.9	N/A	N/A
MU-123	01/06/2016	Duplicate	MU-101	108	110	2	5.1	6.0	17	550	541	2
MU-123	01/22/2016	Duplicate	MO-113	100	105	5	5.6	5.3	5	453	456	1
MU-123	02/10/2016	Duplicate	MO-110	97	97	0	5.6	4.9	14	437	438	0
MU-123	02/22/2016	Blank	N/A	0.4	N/A	N/A	0.5	N/A	N/A	1.5	N/A	N/A
MU-123	03/07/2016	Duplicate	MO-105	104	106	2	5.3	6.2	15	491	484	1
MU-123	03/25/2016	Duplicate	MO-112	94	95	1	5.9	6.5	10	412	421	2
MU-124	01/06/2016	Blank	N/A	0.3	N/A	N/A	0.5	N/A	N/A	2.1	N/A	N/A
MU-124	01/22/2016	Blank	N/A	ND	N/A	N/A	0.5	N/A	N/A	1.5	N/A	N/A
MU-124	02/10/2016	Blank	N/A	0.3	N/A	N/A	0.5	N/A	N/A	1.4	N/A	N/A
MU-124	02/22/2016	Duplicate	MO-108	96	97	N/A	6.6	6.3	N/A	499	500	N/A
MU-124	03/07/2016	Blank	N/A	3.3	N/A	N/A	0.0	N/A	N/A	7.6	N/A	N/A
MU-124	03/25/2016	Blank	N/A	0.1	N/A	N/A	0.3	N/A	N/A	1.6	N/A	N/A

RPD: Relative Percent Difference