



ENSOLUM

March 13, 2026

New Mexico Oil Conservation Division

New Mexico Energy, Minerals, and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Re: 2025 Annual Groundwater Monitoring Report

Farmington B Com #1E
San Juan County, New Mexico
Hilcorp Energy Company
NMOCD Incident Number: NAUTOFAB000168
NMOCD Administrative Order: 3R-084

To Whom it May Concern:

Ensolum, LLC (Ensolum), on behalf of Hilcorp Energy Company (Hilcorp), presents this *2025 Annual Groundwater Monitoring Report* to the New Mexico Oil Conservation Division (NMOCD). This report documents groundwater monitoring activities conducted during 2025 at the Farmington B Com #1E natural gas production well (Site). The Site is located on private property near the intersection of East Murray Drive and South Carlton Avenue in Farmington, New Mexico (36.72113°, -108.19048°) as shown on Figure 1. Well locations and general Site features are shown on Figure 2.

SITE BACKGROUND

Conoco Inc., the predecessor to ConocoPhillips Company (ConocoPhillips), owned and operated the Site from July 1991 to January 1997. In 1997, Merrion Oil & Gas Company (Merrion) purchased the property and assets from ConocoPhillips and is the current property owner and well operator.

Petroleum hydrocarbon-impacted soil was first identified in March 1997 during a Phase II Environmental Site Assessment conducted before the property's transfer from ConocoPhillips to Merrion. Soil impacts were confirmed north of a production storage tank and west of a separator/dehydrator pit. In September 1997, approximately 906 cubic yards of impacted soil were excavated and removed. During backfilling, about 10 gallons of liquid fertilizer were applied to both excavations to enhance in-situ biodegradation of residual petroleum hydrocarbons.

Groundwater monitoring wells MW-1 through MW-6 were installed at the Site in February and August 1998. No petroleum hydrocarbons were detected in MW-2 through MW-6 during the 1998 and 1999 sampling events; however, phase-separated hydrocarbons (PSH) were present in MW-1. In May 2004, active and passive skimmers were installed in MW-1 to enhance PSH recovery but were found ineffective. The active skimmer was deemed unviable, and passive skimming or periodic hand bailing was later proposed. Additionally, quarterly groundwater pumping events using a vacuum truck were conducted at MW-1 from October 2004 to March 2008.

PSH was last detected in MW-1 on March 18, 2011, with a sheen last observed on January 28, 2015. By the fourth quarter of 2011, groundwater analytical results from all six monitoring wells indicated benzene, toluene, ethylbenzene, and total xylenes (BTEX) concentrations were below New Mexico Water Quality Control Commission (NMWQCC) standards for 12 consecutive quarters of sampling and as a result, BTEX analysis was discontinued following the December 2011 sampling event. Beginning in 2012, groundwater was sampled for dissolved iron and manganese, which are the two remaining constituents of concern (COCs) exceeding the NMWQCC standards at the Site. In order to reduce dissolved iron and manganese concentrations, two injection wells (TW-1 and TW-2) were drilled and installed east and west of MW-1 in order to perform in-situ chemical oxidation (ISCO) injections. A catalyzed sodium persulfate solution was injected into these wells and into MW-1 in November 2014, March 2015, and October 2016. Quarterly gauging and sampling for dissolved iron and manganese continued after the ISCO injections were completed.

The NMOCD approved the suspension of sampling in MW-4 and MW-5 in 2024, as COC concentrations remained below the NMWQCC standards for eight consecutive sampling events. Additionally, the NMOCD authorized reducing the sampling frequency to an annual basis for wells MW-1, MW-2, MW-3, and MW-6. Once concentrations decrease to below NMWQCC standards, the sampling frequency will return to quarterly until eight consecutive quarters confirm that iron and/or manganese concentrations comply with applicable standards. In 2024, the NMOCD also approved removing iron as an analyte for all wells except MW-1.

SITE GROUNDWATER CLEANUP STANDARDS

The NMOCD requires groundwater quality standards be met as presented by the NMWQCC and listed in Title 20, Chapter 6, Part 2, Section 3103 (20.6.2.3103) of the New Mexico Administrative Code (NMAC). The following standards are presented for COCs at the Site in milligrams per liter (mg/L).

- Dissolved Iron: 1.0 mg/L
- Dissolved Manganese: 0.2 mg/L

GROUNDWATER SAMPLING ACTIVITIES AND RESULTS

Groundwater elevation measurements were conducted in April 2025 from all Site. Due to a sheen observed in MW-1, no water quality measurements or samples were collected. Additionally, wells MW-2, MW-3, and MW-6 were purged and sampled during the April 2025 event. Additionally, no measurements or samples were taken from wells MW-4 or MW-5 in 2025 following the NMOCD's approval for sampling suspension. Before sample collection, depth-to-water was measured in all Site wells using a Keck oil/water interface probe. The probe was decontaminated with Alconox[®] soap and rinsed with distilled water before each measurement to prevent cross-contamination. Measured depth-to-water and calculated groundwater elevations are presented in Table 1 and were used to develop groundwater potentiometric surface maps for each sampling event (Figure 3). The inferred groundwater flow direction is west.

GROUNDWATER SAMPLING

Groundwater from each monitoring well was purged and sampled using a disposable bailer. Purging was accomplished by removing stagnant groundwater from the monitoring well prior to collecting a sample. Field measurements of groundwater quality parameters were collected during the purging process and are presented in Table 2. Following well purging, groundwater samples were collected directly into laboratory-provided containers and labeled with the date and time of

collection, well designation, project name, sample collector's name, and parameters to be analyzed. Samples were immediately sealed and packed on ice to preserve samples. Samples were submitted to Eurofins Environment Testing (Eurofins) in Albuquerque, New Mexico for analysis of dissolved manganese and iron following Environmental Protection Agency (EPA) Method 200.7. Proper chain-of-custody procedures were followed documenting the date and time sampled, sample number, type of sample, sample collector's name, preservative used, analyses required, and sample collector's signature.

GROUNDWATER ANALYTICAL RESULTS

Dissolved manganese concentrations met NMWQCC standards in all wells sampled during the 2025 September sampling event. A summary of analytical results is provided in Table 3 and shown in Figure 4, with a complete laboratory analytical report included in Appendix A.

Ensolum appreciates the opportunity to provide these environmental services to Hilcorp. Please contact either of the undersigned with any questions.

Sincerely,

Ensolum, LLC



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Attachments:

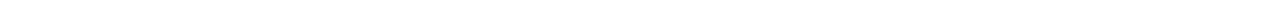
- Figure 1 Site Location Map
- Figure 2 Site Map
- Figure 3 April 2025 Groundwater Elevation Contour Map
- Figure 4 April 2025 Groundwater Analytical Results

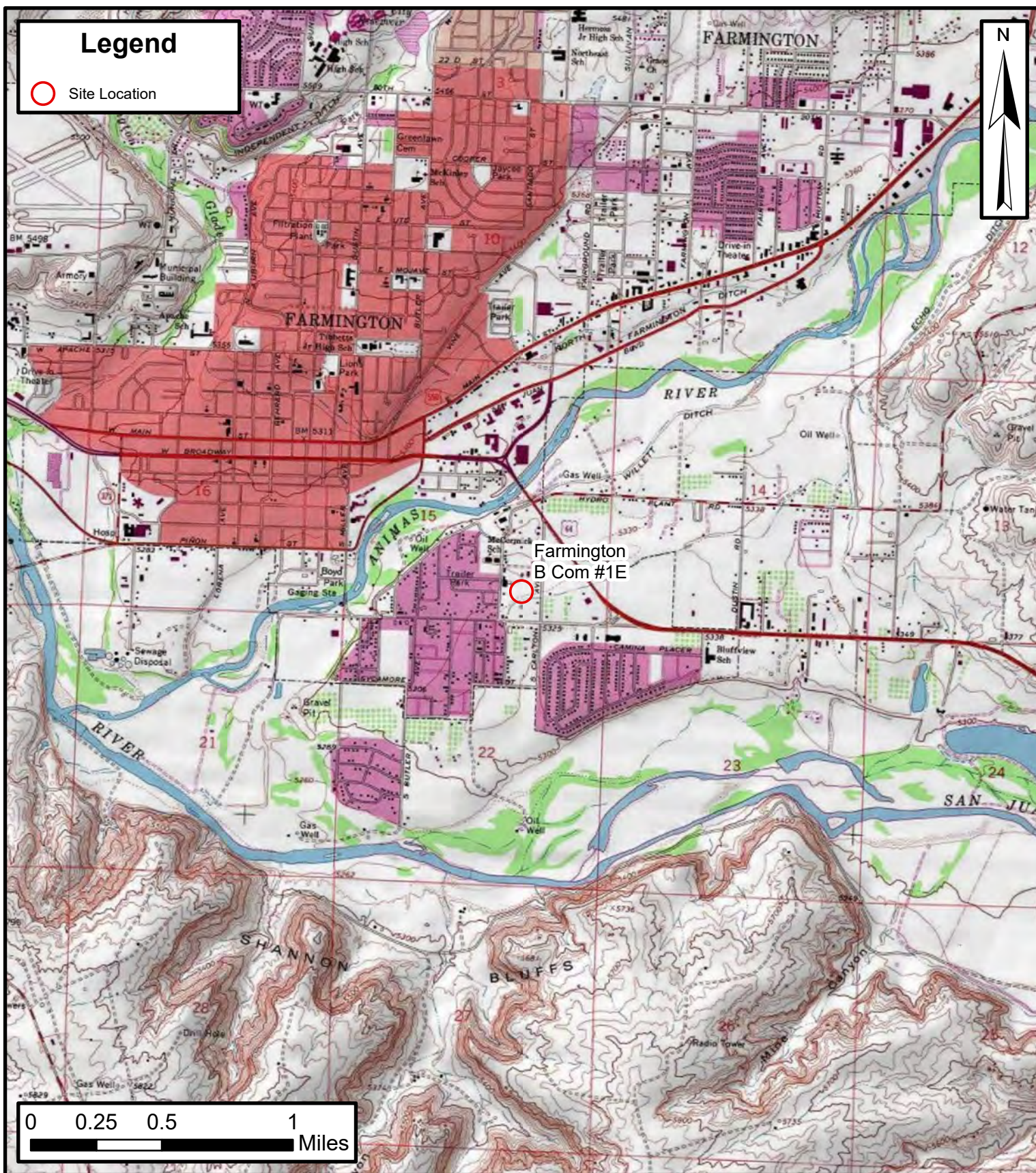
- Table 1 Groundwater Elevations
- Table 2 Groundwater Quality Measurements
- Table 3 Groundwater Analytical Results

- Appendix A Laboratory Analytical Reports



FIGURES





Site Location Map
 Farmington B Com #1E
 Hilcorp Energy Company
 36.72113, -108.19048
 San Juan County, New Mexico

FIGURE
1



Site Map

Farmington B Com #1E
Hilcorp Energy Company
36.72113, -108.19048
San Juan County, New Mexico

**FIGURE
2**



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April 2025 Groundwater Elevation Contour Map

Farmington B Com #1E
 Hilcorp Energy Company

36.72113, -108.19048
 San Juan County, New Mexico

FIGURE 3



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April 2025 Groundwater Analytical Results Map

Farmington B Com #1E
 Hilcorp Energy Company

36.72113, -108.19048
 San Juan County, New Mexico

FIGURE 4



TABLES



TABLE 1
GROUNDWATER ELEVATIONS
 Farmington B Com #1E
 Hilcorp Energy Company
 San Juan County, New Mexico

Well ID	Top of Casing Elevation (1)	Sample Date	Depth to Product (feet BTOC)	Depth to Groundwater (feet BTOC)	Product Thickness (feet)	Adjusted Groundwater Elevation (2)
MW-1	101.37	5/9/2005	Sheen	28.30	--	73.07
		7/6/2005	--	26.50	--	74.87
		10/19/2005	Sheen	25.12	--	76.25
		2/16/2006	--	28.23	--	73.14
		5/15/2006	--	27.02	--	74.35
		8/2/2006	--	24.37	--	77.00
		11/14/2006	Sheen	26.48	--	74.89
		2/20/2007	Sheen	29.03	--	72.34
		5/15/2007	--	26.97	--	74.40
		8/21/2007	Sheen	25.20	--	76.17
		11/7/2007	26.10	26.30	0.20	75.23
		1/16/2008	27.88	29.24	1.36	73.22
		3/18/2008	Sheen	29.27	--	72.10
		7/24/2008	Sheen	25.73	--	75.64
		10/22/2008	Sheen	25.35	--	76.02
		1/21/2009	27.90	28.25	0.35	73.40
		4/1/2009	--	29.47	--	71.90
		6/10/2009	--	26.75	--	74.62
		10/1/2009	--	23.14	--	78.23
		12/17/2009	--	26.31	--	75.06
		3/29/2010	28.68	28.71	0.03	72.68
		6/11/2010	Sheen	25.98	--	75.39
		9/24/2010	Sheen	25.26	--	76.11
		2/7/2011	Sheen	28.83	--	72.54
		3/18/2011	29.71	29.73	0.02	71.66
		6/20/2011	Sheen	27.00	--	74.37
		9/30/2011	Sheen	24.32	--	77.05
		12/15/2011	Sheen	26.90	--	74.47
		9/21/2012	Sheen	24.52	--	76.85
		4/4/2013	Sheen	29.74	--	71.63
		9/30/2013	Sheen	24.92	--	76.45
		9/26/2014	Sheen	25.92	--	75.45
		12/18/2014	--	27.81	--	73.56
		1/28/2015	Sheen	28.87	--	72.50
		6/18/2015	--	27.33	--	74.04
		9/23/2015	--	26.52	--	74.85
12/3/2015	--	27.85	--	73.52		
3/28/2016	--	30.13	--	71.24		
6/22/2016	--	29.53	--	71.84		
9/6/2016	--	26.71	--	74.66		
11/28/2016	--	27.85	--	73.52		
3/6/2017	--	30.16	--	71.21		
6/12/2017	--	28.00	--	73.37		
10/27/2017	--	26.49	--	74.88		
12/6/2017	--	27.41	--	73.96		



TABLE 1
GROUNDWATER ELEVATIONS
 Farmington B Com #1E
 Hilcorp Energy Company
 San Juan County, New Mexico

Well ID	Top of Casing Elevation (1)	Sample Date	Depth to Product (feet BTOC)	Depth to Groundwater (feet BTOC)	Product Thickness (feet)	Adjusted Groundwater Elevation (2)
MW-1	101.37	3/13/2018	--	30.13	--	71.24
		6/28/2018	--	26.35	--	75.02
		9/6/2018	--	25.60	--	75.77
		12/19/2018	--	26.85	--	74.52
		3/5/2019	--	28.93	--	72.44
		5/21/2019	--	27.94	--	73.43
		8/26/2019	--	26.58	--	74.79
		10/30/2019	--	26.42	--	74.95
		1/29/2020	--	28.98	--	72.39
		4/21/2020	--	29.19	--	72.18
		7/16/2020	--	25.28	--	76.09
		10/1/2020	--	25.00	--	76.37
		1/6/2021	--	27.71	--	73.66
		4/9/2021	--	29.80	--	71.57
		9/23/2021	--	26.50	--	74.87
		12/2/2021	--	27.25	--	74.12
		1/28/2022	--	28.90	--	72.47
		4/21/2022	--	29.27	--	72.10
		7/26/2022	--	26.64	--	74.73
		10/26/2022	--	27.29	--	74.08
		1/30/2023	--	29.55	--	71.82
6/12/2023	--	28.43	--	72.94		
7/19/2023	--	28.45	--	72.92		
10/16/2023	--	27.07	--	74.30		
1/15/2024	--	29.20	--	72.17		
4/3/2025	--	Trace	30.41	Trace	70.96	
MW-2	101.57	5/9/2005	--	27.28	--	74.29
		7/6/2005	--	25.52	--	76.05
		10/19/2005	--	24.30	--	77.27
		2/16/2006	--	27.38	--	74.19
		5/15/2006	--	25.62	--	75.95
		8/2/2006	--	23.51	--	78.06
		11/14/2006	--	26.08	--	75.49
		2/20/2007	--	28.13	--	73.44
		5/15/2007	--	25.86	--	75.71
		8/21/2007	--	24.45	--	77.12
		11/7/2007	--	25.31	--	76.26
		1/16/2008	--	27.27	--	74.30
		3/18/2008	--	28.68	--	72.89
		7/24/2008	--	24.77	--	76.80
		10/22/2008	--	24.55	--	77.02
		1/21/2009	--	27.23	--	74.34
		4/1/2009	--	28.76	--	72.81
6/10/2009	--	25.76	--	75.81		
10/1/2009	--	22.22	--	79.35		



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Well ID	Top of Casing Elevation (1)	Sample Date	Depth to Product (feet BTOC)	Depth to Groundwater (feet BTOC)	Product Thickness (feet)	Adjusted Groundwater Elevation (2)
MW-2	101.57	12/17/2009	--	25.62	--	75.95
		3/29/2010	--	27.96	--	73.61
		6/11/2010	--	24.99	--	76.58
		9/24/2010	--	24.54	--	77.03
		2/7/2011	--	28.22	--	73.35
		3/18/2011	--	29.14	--	72.43
		6/20/2011	--	26.20	--	75.37
		9/30/2011	--	23.51	--	78.06
		12/15/2011	--	26.22	--	75.35
		9/21/2012	--	23.81	--	77.76
		4/4/2013	--	29.16	--	72.41
		9/30/2013	--	24.29	--	77.28
		9/26/2014	--	25.18	--	76.39
		12/18/2014	--	27.18	--	74.39
		1/28/2015	--	NM	--	--
		6/18/2015	--	27.73	--	73.84
		9/23/2015	--	25.74	--	75.83
		12/3/2015	--	27.23	--	74.34
		3/28/2016	--	29.67	--	71.90
		6/22/2016	--	27.20	--	74.37
		9/6/2016	--	25.96	--	75.61
		11/28/2016	--	27.20	--	74.37
		3/6/2017	--	29.45	--	72.12
		6/12/2017	--	27.11	--	74.46
		10/27/2017	--	25.81	--	75.76
		12/6/2017	--	26.79	--	74.78
		3/13/2018	--	29.53	--	72.04
		6/28/2018	--	25.45	--	76.12
		9/6/2018	--	24.79	--	76.78
		12/19/2018	--	26.21	--	75.36
		3/5/2019	--	28.35	--	73.22
		5/24/2019	--	27.07	--	74.50
		8/26/2019	--	25.79	--	75.78
		10/30/2019	--	25.70	--	75.87
		1/29/2020	--	28.39	--	73.18
		4/22/2020	--	27.89	--	73.68
7/17/2020	--	24.48	--	77.09		
10/2/2020	--	24.37	--	77.20		
1/7/2021	--	27.08	--	74.49		
4/9/2021	--	29.09	--	72.48		
9/23/2021	--	25.30	--	76.27		
12/2/2021	--	26.59	--	74.98		
1/28/2022	--	28.30	--	73.27		
4/21/2022	--	28.19	--	73.38		
7/26/2022	--	25.76	--	75.81		



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Well ID	Top of Casing Elevation (1)	Sample Date	Depth to Product (feet BTOC)	Depth to Groundwater (feet BTOC)	Product Thickness (feet)	Adjusted Groundwater Elevation (2)
MW-2	101.57	10/26/2022	--	26.53	--	75.04
		1/30/2023	--	28.93	--	72.64
		6/12/2023	--	29.27	--	72.30
		7/19/2023	--	27.58	--	73.99
		10/16/2023	--	26.26	--	75.31
		1/15/2024	--	28.57	--	73.00
		4/3/2025	--	29.63	--	71.94
MW-3	102.1	5/9/2005	--	27.81	--	74.29
		7/6/2005	--	26.03	--	76.07
		10/19/2005	--	25.06	--	77.04
		2/16/2006	--	28.57	--	73.53
		5/15/2006	--	26.15	--	75.95
		8/2/2006	--	23.83	--	78.27
		11/14/2006	--	26.75	--	75.35
		2/20/2007	--	29.31	--	72.79
		5/15/2007	--	26.23	--	75.87
		8/21/2007	--	25.00	--	77.10
		11/7/2007	--	26.12	--	75.98
		1/16/2008	--	28.46	--	73.64
		3/18/2008	--	29.97	--	72.13
		7/24/2008	--	25.27	--	76.83
		10/22/2008	--	25.35	--	76.75
		1/21/2009	--	28.56	--	73.54
		4/1/2009	--	30.20	--	71.90
		6/10/2009	--	26.55	--	75.55
		10/1/2009	--	23.00	--	79.10
		12/17/2009	--	26.86	--	75.24
		3/29/2010	--	29.41	--	72.69
		6/11/2010	--	25.62	--	76.48
		9/24/2010	--	25.23	--	76.87
		2/7/2011	--	29.47	--	72.63
		3/18/2011	--	30.40	--	71.70
		6/20/2011	--	26.83	--	75.27
		9/30/2011	--	23.95	--	78.15
		12/15/2011	--	27.41	--	74.69
		9/21/2012	--	24.55	--	77.55
		4/4/2013	--	30.52	--	71.58
		9/30/2013	--	25.27	--	76.83
		9/26/2014	--	25.91	--	76.19
		12/18/2014	--	28.30	--	73.80
1/28/2015	--	NM	--	--		
6/18/2015	--	27.53	--	74.57		
9/23/2015	--	26.33	--	75.77		
12/3/2015	--	28.33	--	73.77		
3/28/2016	--	30.99	--	71.11		



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MW-3	102.1	6/22/2016	--	27.88	--	74.22
		9/6/2016	--	26.66	--	75.44
		11/28/2016	--	28.32	--	73.78
		3/6/2017	--	30.78	--	71.32
		6/12/2017	--	27.71	--	74.39
		10/27/2017	--	26.66	--	75.44
		12/6/2017	--	27.89	--	74.21
		3/13/2018	--	30.79	--	71.31
		6/28/2018	--	25.68	--	76.42
		9/6/2018	--	25.55	--	76.55
		12/19/2018	--	27.36	--	74.74
		3/5/2019	--	28.60	--	73.50
		5/21/2019	--	27.75	--	74.35
		8/26/2019	--	26.24	--	75.86
		10/30/2019	--	26.38	--	75.72
		1/29/2020	--	29.58	--	72.52
		4/22/2020	--	27.96	--	74.14
		7/17/2020	--	24.75	--	77.35
		10/2/2020	--	24.96	--	77.14
		1/7/2021	--	28.22	--	73.88
		4/9/2021	--	29.73	--	72.37
		9/22/2021	--	26.00	--	76.10
		12/2/2021	--	27.67	--	74.43
		1/28/2022	--	29.54	--	72.56
		4/21/2022	--	28.58	--	73.52
		7/26/2022	--	26.15	--	75.95
10/26/2022	--	27.37	--	74.73		
1/30/2023	--	30.19	--	71.91		
6/12/2023	--	29.2	--	72.90		
7/19/2023	--	28.23	--	73.87		
10/16/2023	--	26.98	--	75.12		
1/15/2024	--	29.79	--	72.31		
4/3/2025	--	30.48	--	71.62		
MW-4	101.4	5/9/2005	--	28.73	--	72.67
		7/6/2005	--	26.66	--	74.74
		10/19/2005	--	25.62	--	75.78
		2/16/2006	--	28.91	--	72.49
		5/15/2006	--	26.86	--	74.54
		8/2/2006	--	24.59	--	76.81
		11/14/2006	--	27.02	--	74.38
		2/20/2007	--	29.61	--	71.79
		5/15/2007	--	27.25	--	74.15
		8/21/2007	--	25.56	--	75.84
		11/7/2007	--	26.50	--	74.90
1/16/2008	--	28.55	--	72.85		



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MW-4	101.4	3/18/2008	--	29.99	--	71.41
		7/24/2008	--	26.02	--	75.38
		10/22/2008	--	25.84	--	75.56
		1/21/2009	--	28.69	--	72.71
		4/1/2009	--	30.22	--	71.18
		6/10/2009	--	27.31	--	74.09
		10/1/2009	--	23.80	--	77.60
		12/17/2009	--	27.07	--	74.33
		3/29/2010	--	29.51	--	71.89
		6/11/2010	--	26.43	--	74.97
		9/24/2010	--	25.70	--	75.70
		2/7/2011	--	29.49	--	71.91
		3/18/2011	--	30.38	--	71.02
		6/20/2011	--	27.34	--	74.06
		9/30/2011	--	24.68	--	76.72
		12/15/2011	--	27.58	--	73.82
		9/21/2012	--	25.01	--	76.39
		4/4/2013	--	30.46	--	70.94
		9/30/2013	--	25.55	--	75.85
		9/26/2014	--	26.27	--	75.13
		12/18/2014	--	28.38	--	73.02
		1/28/2015	--	NM	--	--
		6/18/2015	--	26.60	--	74.80
		9/23/2015	--	26.77	--	74.63
		12/3/2015	--	28.41	--	72.99
		3/28/2016	--	30.82	--	70.58
		6/22/2016	--	28.38	--	73.02
		9/6/2016	--	27.03	--	74.37
		11/28/2016	--	28.43	--	72.97
		3/6/2017	--	30.75	--	70.65
		6/12/2017	--	28.36	--	73.04
		10/27/2017	--	26.88	--	74.52
		12/6/2017	--	27.95	--	73.45
		3/13/2018	--	30.78	--	70.62
		6/28/2018	--	26.46	--	74.94
9/6/2018	--	26.03	--	75.37		
12/19/2018	--	27.51	--	73.89		
3/5/2019	--	29.59	--	71.81		
5/24/2019	--	28.35	--	73.05		
8/26/2019	--	26.81	--	74.59		
10/29/2019	--	26.55	--	74.85		
1/28/2020	--	29.58	--	71.82		
4/21/2020	--	29.53	--	71.87		
7/16/2020	--	25.46	--	75.94		
10/1/2020	--	25.37	--	76.03		



TABLE 1
GROUNDWATER ELEVATIONS
 Farmington B Com #1E
 Hilcorp Energy Company
 San Juan County, New Mexico

Well ID	Top of Casing Elevation (1)	Sample Date	Depth to Product (feet BTOC)	Depth to Groundwater (feet BTOC)	Product Thickness (feet)	Adjusted Groundwater Elevation (2)
MW-4	101.4	1/6/2021	--	28.32	--	73.08
		4/8/2021	--	30.51	--	70.89
		9/23/2021	--	26.00	--	75.40
		12/1/2021	--	27.81	--	73.59
		1/27/2022	--	29.14	--	72.26
		4/21/2022	--	29.6	--	71.80
		7/26/2022	--	26.84	--	74.56
		10/26/2022	--	27.76	--	73.64
		1/30/2023	--	30.22	--	71.18
		6/12/2023	--	29.73	--	71.67
		7/19/2023	--	28.88	--	72.52
		10/16/2023	--	27.47	--	73.93
		1/15/2024	--	29.86	--	71.54
		4/3/2025	--	NM	--	--
MW-5	100.52	5/9/2005	--	28.50	--	72.02
		7/6/2005	--	26.32	--	74.20
		10/19/2005	--	25.30	--	75.22
		2/16/2006	--	28.62	--	71.90
		5/15/2006	--	26.55	--	73.97
		8/2/2006	--	24.23	--	76.29
		11/14/2006	--	27.67	--	72.85
		2/20/2007	--	29.34	--	71.18
		5/15/2007	--	27.04	--	73.48
		8/21/2007	--	25.21	--	75.31
		11/7/2007	--	26.13	--	74.39
		1/16/2008	--	28.18	--	72.34
		3/18/2008	--	29.65	--	70.87
		7/24/2008	--	25.73	--	74.79
		10/22/2008	--	25.49	--	75.03
		1/21/2009	--	28.38	--	72.14
		4/1/2009	--	29.92	--	70.60
		6/10/2009	--	27.09	--	73.43
		10/1/2009	--	23.50	--	77.02
		12/17/2009	--	26.77	--	73.75
		3/29/2010	--	29.21	--	71.31
		6/11/2010	--	26.16	--	74.36
		9/24/2010	--	25.31	--	75.21
		2/7/2011	--	29.13	--	71.39
		3/18/2011	--	30.10	--	70.42
		6/20/2011	--	27.03	--	73.49
		9/30/2011	--	24.35	--	76.17
		12/15/2011	--	27.25	--	73.27
9/21/2012	--	24.65	--	75.87		
4/4/2013	--	30.10	--	70.42		
9/30/2013	--	25.16	--	75.36		



TABLE 1
GROUNDWATER ELEVATIONS
 Farmington B Com #1E
 Hilcorp Energy Company
 San Juan County, New Mexico

Well ID	Top of Casing Elevation (1)	Sample Date	Depth to Product (feet BTOC)	Depth to Groundwater (feet BTOC)	Product Thickness (feet)	Adjusted Groundwater Elevation (2)
MW-5	100.52	9/26/2014	--	25.88	--	74.64
		12/18/2014	--	27.98	--	72.54
		1/28/2015	--	NM	--	--
		6/18/2015	--	NM	--	--
		9/23/2015	--	26.41	--	74.11
		12/3/2015	--	28.00	--	72.52
		3/28/2016	--	30.41	--	70.11
		6/22/2016	--	28.03	--	72.49
		9/6/2016	--	22.66	--	77.86
		11/28/2016	--	28.03	--	72.49
		3/6/2017	--	30.39	--	70.13
		6/12/2017	--	28.06	--	72.46
		10/27/2017	--	26.50	--	74.02
		12/6/2017	--	27.58	--	72.94
		3/13/2018	--	30.40	--	70.12
		6/28/2018	--	26.13	--	74.39
		9/6/2018	--	25.68	--	74.84
		12/19/2018	--	27.15	--	73.37
		3/5/2019	--	29.2	--	71.32
		5/24/2019	--	28.04	--	72.48
		8/26/2019	--	26.47	--	74.05
		10/29/2019	--	26.27	--	74.25
		1/28/2020	--	29.18	--	71.34
		4/21/2020	--	29.36	--	71.16
		7/16/2020	--	25.12	--	75.40
		10/1/2020	--	24.96	--	75.56
		1/6/2021	--	27.96	--	72.56
		4/8/2021	--	30.16	--	70.36
		9/23/2021	--	27.50	--	73.02
		12/1/2021	--	27.43	--	73.09
1/27/2022	--	29.52	--	71.00		
4/21/2022	--	29.42	--	71.10		
7/26/2022	--	26.53	--	73.99		
10/26/2022	--	27.42	--	73.10		
1/30/2023	--	29.86	--	70.66		
6/12/2023	--	29.47	--	71.05		
7/19/2023	--	28.58	--	71.94		
10/16/2023	--	27.14	--	73.38		
1/15/2024	--	29.48	--	71.04		
4/3/2025	--	NM	--	--		
MW-6	102.14	5/9/2005	--	29.94	--	72.20
		7/6/2005	--	27.89	--	74.25
		10/19/2005	--	26.70	--	75.44
		2/16/2006	--	29.85	--	72.29
		5/15/2006	--	28.11	--	74.03



TABLE 1
GROUNDWATER ELEVATIONS
 Farmington B Com #1E
 Hilcorp Energy Company
 San Juan County, New Mexico

Well ID	Top of Casing Elevation (1)	Sample Date	Depth to Product (feet BTOC)	Depth to Groundwater (feet BTOC)	Product Thickness (feet)	Adjusted Groundwater Elevation (2)
MW-1	101.37	5/9/2005	Sheen	28.30	--	73.07
		7/6/2005	--	26.50	--	74.87
		10/19/2005	Sheen	25.12	--	76.25
		2/16/2006	--	28.23	--	73.14
		5/15/2006	--	27.02	--	74.35
		8/2/2006	--	24.37	--	77.00
		11/14/2006	Sheen	26.48	--	74.89
		2/20/2007	Sheen	29.03	--	72.34
		5/15/2007	--	26.97	--	74.40
		8/21/2007	Sheen	25.20	--	76.17
		11/7/2007	26.10	26.30	0.20	75.23
		1/16/2008	27.88	29.24	1.36	73.22
		3/18/2008	Sheen	29.27	--	72.10
		7/24/2008	Sheen	25.73	--	75.64
		10/22/2008	Sheen	25.35	--	76.02
		1/21/2009	27.90	28.25	0.35	73.40
		4/1/2009	--	29.47	--	71.90
		6/10/2009	--	26.75	--	74.62
		10/1/2009	--	23.14	--	78.23
		12/17/2009	--	26.31	--	75.06
		3/29/2010	28.68	28.71	0.03	72.68
		6/11/2010	Sheen	25.98	--	75.39
		9/24/2010	Sheen	25.26	--	76.11
		2/7/2011	Sheen	28.83	--	72.54
		3/18/2011	29.71	29.73	0.02	71.66
		6/20/2011	Sheen	27.00	--	74.37
		9/30/2011	Sheen	24.32	--	77.05
		12/15/2011	Sheen	26.90	--	74.47
		9/21/2012	Sheen	24.52	--	76.85
		4/4/2013	Sheen	29.74	--	71.63
		9/30/2013	Sheen	24.92	--	76.45
		9/26/2014	Sheen	25.92	--	75.45
		12/18/2014	--	27.81	--	73.56
		1/28/2015	Sheen	28.87	--	72.50
		6/18/2015	--	27.33	--	74.04
		9/23/2015	--	26.52	--	74.85
12/3/2015	--	27.85	--	73.52		
3/28/2016	--	30.13	--	71.24		
6/22/2016	--	29.53	--	71.84		
9/6/2016	--	26.71	--	74.66		
11/28/2016	--	27.85	--	73.52		
3/6/2017	--	30.16	--	71.21		
6/12/2017	--	28.00	--	73.37		
10/27/2017	--	26.49	--	74.88		
12/6/2017	--	27.41	--	73.96		



TABLE 1
GROUNDWATER ELEVATIONS
 Farmington B Com #1E
 Hilcorp Energy Company
 San Juan County, New Mexico

Well ID	Top of Casing Elevation (1)	Sample Date	Depth to Product (feet BTOC)	Depth to Groundwater (feet BTOC)	Product Thickness (feet)	Adjusted Groundwater Elevation (2)
MW-1	101.37	3/13/2018	--	30.13	--	71.24
		6/28/2018	--	26.35	--	75.02
		9/6/2018	--	25.60	--	75.77
		12/19/2018	--	26.85	--	74.52
		3/5/2019	--	28.93	--	72.44
		5/21/2019	--	27.94	--	73.43
		8/26/2019	--	26.58	--	74.79
		10/30/2019	--	26.42	--	74.95
		1/29/2020	--	28.98	--	72.39
		4/21/2020	--	29.19	--	72.18
		7/16/2020	--	25.28	--	76.09
		10/1/2020	--	25.00	--	76.37
		1/6/2021	--	27.71	--	73.66
		4/9/2021	--	29.80	--	71.57
		9/23/2021	--	26.50	--	74.87
		12/2/2021	--	27.25	--	74.12
		1/28/2022	--	28.90	--	72.47
		4/21/2022	--	29.27	--	72.10
		7/26/2022	--	26.64	--	74.73
		10/26/2022	--	27.29	--	74.08
		1/30/2023	--	29.55	--	71.82
6/12/2023	--	28.43	--	72.94		
7/19/2023	--	28.45	--	72.92		
10/16/2023	--	27.07	--	74.30		
1/15/2024	--	29.20	--	72.17		
4/3/2025	Sheen	30.41	--	70.96		
MW-2	101.57	5/9/2005	--	27.28	--	74.29
		7/6/2005	--	25.52	--	76.05
		10/19/2005	--	24.30	--	77.27
		2/16/2006	--	27.38	--	74.19
		5/15/2006	--	25.62	--	75.95
		8/2/2006	--	23.51	--	78.06
		11/14/2006	--	26.08	--	75.49
		2/20/2007	--	28.13	--	73.44
		5/15/2007	--	25.86	--	75.71
		8/21/2007	--	24.45	--	77.12
		11/7/2007	--	25.31	--	76.26
		1/16/2008	--	27.27	--	74.30
		3/18/2008	--	28.68	--	72.89
		7/24/2008	--	24.77	--	76.80
		10/22/2008	--	24.55	--	77.02
		1/21/2009	--	27.23	--	74.34
		4/1/2009	--	28.76	--	72.81
		6/10/2009	--	25.76	--	75.81
10/1/2009	--	22.22	--	79.35		



TABLE 1
GROUNDWATER ELEVATIONS
 Farmington B Com #1E
 Hilcorp Energy Company
 San Juan County, New Mexico

Well ID	Top of Casing Elevation (1)	Sample Date	Depth to Product (feet BTOC)	Depth to Groundwater (feet BTOC)	Product Thickness (feet)	Adjusted Groundwater Elevation (2)
MW-2	101.57	12/17/2009	--	25.62	--	75.95
		3/29/2010	--	27.96	--	73.61
		6/11/2010	--	24.99	--	76.58
		9/24/2010	--	24.54	--	77.03
		2/7/2011	--	28.22	--	73.35
		3/18/2011	--	29.14	--	72.43
		6/20/2011	--	26.20	--	75.37
		9/30/2011	--	23.51	--	78.06
		12/15/2011	--	26.22	--	75.35
		9/21/2012	--	23.81	--	77.76
		4/4/2013	--	29.16	--	72.41
		9/30/2013	--	24.29	--	77.28
		9/26/2014	--	25.18	--	76.39
		12/18/2014	--	27.18	--	74.39
		1/28/2015	--	NM	--	--
		6/18/2015	--	27.73	--	73.84
		9/23/2015	--	25.74	--	75.83
		12/3/2015	--	27.23	--	74.34
		3/28/2016	--	29.67	--	71.90
		6/22/2016	--	27.20	--	74.37
		9/6/2016	--	25.96	--	75.61
		11/28/2016	--	27.20	--	74.37
		3/6/2017	--	29.45	--	72.12
		6/12/2017	--	27.11	--	74.46
		10/27/2017	--	25.81	--	75.76
		12/6/2017	--	26.79	--	74.78
		3/13/2018	--	29.53	--	72.04
		6/28/2018	--	25.45	--	76.12
		9/6/2018	--	24.79	--	76.78
		12/19/2018	--	26.21	--	75.36
		3/5/2019	--	28.35	--	73.22
		5/24/2019	--	27.07	--	74.50
		8/26/2019	--	25.79	--	75.78
		10/30/2019	--	25.70	--	75.87
		1/29/2020	--	28.39	--	73.18
		4/22/2020	--	27.89	--	73.68
7/17/2020	--	24.48	--	77.09		
10/2/2020	--	24.37	--	77.20		
1/7/2021	--	27.08	--	74.49		
4/9/2021	--	29.09	--	72.48		
9/23/2021	--	25.30	--	76.27		
12/2/2021	--	26.59	--	74.98		
1/28/2022	--	28.30	--	73.27		
4/21/2022	--	28.19	--	73.38		
7/26/2022	--	25.76	--	75.81		



TABLE 1
GROUNDWATER ELEVATIONS
 Farmington B Com #1E
 Hilcorp Energy Company
 San Juan County, New Mexico

Well ID	Top of Casing Elevation (1)	Sample Date	Depth to Product (feet BTOC)	Depth to Groundwater (feet BTOC)	Product Thickness (feet)	Adjusted Groundwater Elevation (2)
MW-2	101.57	10/26/2022	--	26.53	--	75.04
		1/30/2023	--	28.93	--	72.64
		6/12/2023	--	29.27	--	72.30
		7/19/2023	--	27.58	--	73.99
		10/16/2023	--	26.26	--	75.31
		1/15/2024	--	28.57	--	73.00
		4/3/2025	--	29.63	--	71.94
MW-3	102.1	5/9/2005	--	27.81	--	74.29
		7/6/2005	--	26.03	--	76.07
		10/19/2005	--	25.06	--	77.04
		2/16/2006	--	28.57	--	73.53
		5/15/2006	--	26.15	--	75.95
		8/2/2006	--	23.83	--	78.27
		11/14/2006	--	26.75	--	75.35
		2/20/2007	--	29.31	--	72.79
		5/15/2007	--	26.23	--	75.87
		8/21/2007	--	25.00	--	77.10
		11/7/2007	--	26.12	--	75.98
		1/16/2008	--	28.46	--	73.64
		3/18/2008	--	29.97	--	72.13
		7/24/2008	--	25.27	--	76.83
		10/22/2008	--	25.35	--	76.75
		1/21/2009	--	28.56	--	73.54
		4/1/2009	--	30.20	--	71.90
		6/10/2009	--	26.55	--	75.55
		10/1/2009	--	23.00	--	79.10
		12/17/2009	--	26.86	--	75.24
		3/29/2010	--	29.41	--	72.69
		6/11/2010	--	25.62	--	76.48
		9/24/2010	--	25.23	--	76.87
		2/7/2011	--	29.47	--	72.63
		3/18/2011	--	30.40	--	71.70
		6/20/2011	--	26.83	--	75.27
		9/30/2011	--	23.95	--	78.15
		12/15/2011	--	27.41	--	74.69
		9/21/2012	--	24.55	--	77.55
		4/4/2013	--	30.52	--	71.58
		9/30/2013	--	25.27	--	76.83
		9/26/2014	--	25.91	--	76.19
12/18/2014	--	28.30	--	73.80		
1/28/2015	--	NM	--	--		
6/18/2015	--	27.53	--	74.57		
9/23/2015	--	26.33	--	75.77		
12/3/2015	--	28.33	--	73.77		
3/28/2016	--	30.99	--	71.11		



TABLE 1
GROUNDWATER ELEVATIONS
 Farmington B Com #1E
 Hilcorp Energy Company
 San Juan County, New Mexico

Well ID	Top of Casing Elevation (1)	Sample Date	Depth to Product (feet BTOC)	Depth to Groundwater (feet BTOC)	Product Thickness (feet)	Adjusted Groundwater Elevation (2)
MW-3	102.1	6/22/2016	--	27.88	--	74.22
		9/6/2016	--	26.66	--	75.44
		11/28/2016	--	28.32	--	73.78
		3/6/2017	--	30.78	--	71.32
		6/12/2017	--	27.71	--	74.39
		10/27/2017	--	26.66	--	75.44
		12/6/2017	--	27.89	--	74.21
		3/13/2018	--	30.79	--	71.31
		6/28/2018	--	25.68	--	76.42
		9/6/2018	--	25.55	--	76.55
		12/19/2018	--	27.36	--	74.74
		3/5/2019	--	28.60	--	73.50
		5/21/2019	--	27.75	--	74.35
		8/26/2019	--	26.24	--	75.86
		10/30/2019	--	26.38	--	75.72
		1/29/2020	--	29.58	--	72.52
		4/22/2020	--	27.96	--	74.14
		7/17/2020	--	24.75	--	77.35
		10/2/2020	--	24.96	--	77.14
		1/7/2021	--	28.22	--	73.88
		4/9/2021	--	29.73	--	72.37
		9/22/2021	--	26.00	--	76.10
		12/2/2021	--	27.67	--	74.43
		1/28/2022	--	29.54	--	72.56
		4/21/2022	--	28.58	--	73.52
		7/26/2022	--	26.15	--	75.95
10/26/2022	--	27.37	--	74.73		
1/30/2023	--	30.19	--	71.91		
6/12/2023	--	29.2	--	72.90		
7/19/2023	--	28.23	--	73.87		
10/16/2023	--	26.98	--	75.12		
1/15/2024	--	29.79	--	72.31		
4/3/2025	--	30.48	--	71.62		
MW-4	101.4	5/9/2005	--	28.73	--	72.67
		7/6/2005	--	26.66	--	74.74
		10/19/2005	--	25.62	--	75.78
		2/16/2006	--	28.91	--	72.49
		5/15/2006	--	26.86	--	74.54
		8/2/2006	--	24.59	--	76.81
		11/14/2006	--	27.02	--	74.38
		2/20/2007	--	29.61	--	71.79
		5/15/2007	--	27.25	--	74.15
		8/21/2007	--	25.56	--	75.84
		11/7/2007	--	26.50	--	74.90
1/16/2008	--	28.55	--	72.85		



TABLE 1
GROUNDWATER ELEVATIONS
 Farmington B Com #1E
 Hilcorp Energy Company
 San Juan County, New Mexico

Well ID	Top of Casing Elevation (1)	Sample Date	Depth to Product (feet BTOC)	Depth to Groundwater (feet BTOC)	Product Thickness (feet)	Adjusted Groundwater Elevation (2)
MW-4	101.4	3/18/2008	--	29.99	--	71.41
		7/24/2008	--	26.02	--	75.38
		10/22/2008	--	25.84	--	75.56
		1/21/2009	--	28.69	--	72.71
		4/1/2009	--	30.22	--	71.18
		6/10/2009	--	27.31	--	74.09
		10/1/2009	--	23.80	--	77.60
		12/17/2009	--	27.07	--	74.33
		3/29/2010	--	29.51	--	71.89
		6/11/2010	--	26.43	--	74.97
		9/24/2010	--	25.70	--	75.70
		2/7/2011	--	29.49	--	71.91
		3/18/2011	--	30.38	--	71.02
		6/20/2011	--	27.34	--	74.06
		9/30/2011	--	24.68	--	76.72
		12/15/2011	--	27.58	--	73.82
		9/21/2012	--	25.01	--	76.39
		4/4/2013	--	30.46	--	70.94
		9/30/2013	--	25.55	--	75.85
		9/26/2014	--	26.27	--	75.13
		12/18/2014	--	28.38	--	73.02
		1/28/2015	--	NM	--	--
		6/18/2015	--	26.60	--	74.80
		9/23/2015	--	26.77	--	74.63
		12/3/2015	--	28.41	--	72.99
		3/28/2016	--	30.82	--	70.58
		6/22/2016	--	28.38	--	73.02
		9/6/2016	--	27.03	--	74.37
		11/28/2016	--	28.43	--	72.97
		3/6/2017	--	30.75	--	70.65
		6/12/2017	--	28.36	--	73.04
		10/27/2017	--	26.88	--	74.52
		12/6/2017	--	27.95	--	73.45
		3/13/2018	--	30.78	--	70.62
		6/28/2018	--	26.46	--	74.94
		9/6/2018	--	26.03	--	75.37
12/19/2018	--	27.51	--	73.89		
3/5/2019	--	29.59	--	71.81		
5/24/2019	--	28.35	--	73.05		
8/26/2019	--	26.81	--	74.59		
10/29/2019	--	26.55	--	74.85		
1/28/2020	--	29.58	--	71.82		
4/21/2020	--	29.53	--	71.87		
7/16/2020	--	25.46	--	75.94		
10/1/2020	--	25.37	--	76.03		



TABLE 1
GROUNDWATER ELEVATIONS
 Farmington B Com #1E
 Hilcorp Energy Company
 San Juan County, New Mexico

Well ID	Top of Casing Elevation (1)	Sample Date	Depth to Product (feet BTOC)	Depth to Groundwater (feet BTOC)	Product Thickness (feet)	Adjusted Groundwater Elevation (2)
MW-4	101.4	1/6/2021	--	28.32	--	73.08
		4/8/2021	--	30.51	--	70.89
		9/23/2021	--	26.00	--	75.40
		12/1/2021	--	27.81	--	73.59
		1/27/2022	--	29.14	--	72.26
		4/21/2022	--	29.6	--	71.80
		7/26/2022	--	26.84	--	74.56
		10/26/2022	--	27.76	--	73.64
		1/30/2023	--	30.22	--	71.18
		6/12/2023	--	29.73	--	71.67
		7/19/2023	--	28.88	--	72.52
		10/16/2023	--	27.47	--	73.93
		1/15/2024	--	29.86	--	71.54
		4/3/2025	--	NM	--	--
MW-5	100.52	5/9/2005	--	28.50	--	72.02
		7/6/2005	--	26.32	--	74.20
		10/19/2005	--	25.30	--	75.22
		2/16/2006	--	28.62	--	71.90
		5/15/2006	--	26.55	--	73.97
		8/2/2006	--	24.23	--	76.29
		11/14/2006	--	27.67	--	72.85
		2/20/2007	--	29.34	--	71.18
		5/15/2007	--	27.04	--	73.48
		8/21/2007	--	25.21	--	75.31
		11/7/2007	--	26.13	--	74.39
		1/16/2008	--	28.18	--	72.34
		3/18/2008	--	29.65	--	70.87
		7/24/2008	--	25.73	--	74.79
		10/22/2008	--	25.49	--	75.03
		1/21/2009	--	28.38	--	72.14
		4/1/2009	--	29.92	--	70.60
		6/10/2009	--	27.09	--	73.43
		10/1/2009	--	23.50	--	77.02
		12/17/2009	--	26.77	--	73.75
		3/29/2010	--	29.21	--	71.31
		6/11/2010	--	26.16	--	74.36
		9/24/2010	--	25.31	--	75.21
		2/7/2011	--	29.13	--	71.39
		3/18/2011	--	30.10	--	70.42
		6/20/2011	--	27.03	--	73.49
		9/30/2011	--	24.35	--	76.17
		12/15/2011	--	27.25	--	73.27
9/21/2012	--	24.65	--	75.87		
4/4/2013	--	30.10	--	70.42		
9/30/2013	--	25.16	--	75.36		



TABLE 1
GROUNDWATER ELEVATIONS
 Farmington B Com #1E
 Hilcorp Energy Company
 San Juan County, New Mexico

Well ID	Top of Casing Elevation (1)	Sample Date	Depth to Product (feet BTOC)	Depth to Groundwater (feet BTOC)	Product Thickness (feet)	Adjusted Groundwater Elevation (2)
MW-5	100.52	9/26/2014	--	25.88	--	74.64
		12/18/2014	--	27.98	--	72.54
		1/28/2015	--	NM	--	--
		6/18/2015	--	NM	--	--
		9/23/2015	--	26.41	--	74.11
		12/3/2015	--	28.00	--	72.52
		3/28/2016	--	30.41	--	70.11
		6/22/2016	--	28.03	--	72.49
		9/6/2016	--	22.66	--	77.86
		11/28/2016	--	28.03	--	72.49
		3/6/2017	--	30.39	--	70.13
		6/12/2017	--	28.06	--	72.46
		10/27/2017	--	26.50	--	74.02
		12/6/2017	--	27.58	--	72.94
		3/13/2018	--	30.40	--	70.12
		6/28/2018	--	26.13	--	74.39
		9/6/2018	--	25.68	--	74.84
		12/19/2018	--	27.15	--	73.37
		3/5/2019	--	29.2	--	71.32
		5/24/2019	--	28.04	--	72.48
		8/26/2019	--	26.47	--	74.05
		10/29/2019	--	26.27	--	74.25
		1/28/2020	--	29.18	--	71.34
		4/21/2020	--	29.36	--	71.16
		7/16/2020	--	25.12	--	75.40
		10/1/2020	--	24.96	--	75.56
		1/6/2021	--	27.96	--	72.56
		4/8/2021	--	30.16	--	70.36
		9/23/2021	--	27.50	--	73.02
		12/1/2021	--	27.43	--	73.09
1/27/2022	--	29.52	--	71.00		
4/21/2022	--	29.42	--	71.10		
7/26/2022	--	26.53	--	73.99		
10/26/2022	--	27.42	--	73.10		
1/30/2023	--	29.86	--	70.66		
6/12/2023	--	29.47	--	71.05		
7/19/2023	--	28.58	--	71.94		
10/16/2023	--	27.14	--	73.38		
1/15/2024	--	29.48	--	71.04		
4/3/2025	--	NM	--	--		
MW-6	102.14	5/9/2005	--	29.94	--	72.20
		7/6/2005	--	27.89	--	74.25
		10/19/2005	--	26.70	--	75.44
		2/16/2006	--	29.85	--	72.29
		5/15/2006	--	28.11	--	74.03



TABLE 1
GROUNDWATER ELEVATIONS
 Farmington B Com #1E
 Hilcorp Energy Company
 San Juan County, New Mexico

Well ID	Top of Casing Elevation (1)	Sample Date	Depth to Product (feet BTOC)	Depth to Groundwater (feet BTOC)	Product Thickness (feet)	Adjusted Groundwater Elevation (2)
MW-6	102.14	8/2/2006	--	25.83	--	76.31
		11/14/2006	--	27.91	--	74.23
		2/20/2007	--	30.52	--	71.62
		5/15/2007	--	28.61	--	73.53
		8/21/2007	--	26.67	--	75.47
		11/7/2007	--	27.52	--	74.62
		1/16/2008	--	29.43	--	72.71
		3/18/2008	--	30.85	--	71.29
		7/24/2008	--	27.26	--	74.88
		10/22/2008	--	26.85	--	75.29
		1/21/2009	--	29.52	--	72.62
		4/1/2009	--	31.00	--	71.14
		6/10/2009	--	28.44	--	73.70
		10/1/2009	--	24.75	--	77.39
		12/17/2009	--	27.90	--	74.24
		3/29/2010	--	30.29	--	71.85
		6/11/2010	--	27.58	--	74.56
		9/24/2010	--	26.74	--	75.40
		2/7/2011	--	30.35	--	71.79
		3/18/2011	--	31.21	--	70.93
		6/20/2011	--	28.50	--	73.64
		9/30/2011	--	25.85	--	76.29
		12/15/2011	--	28.41	--	73.73
		9/21/2012	--	26.03	--	76.11
		4/4/2013	--	31.24	--	70.90
		9/30/2013	--	25.43	--	76.71
		9/26/2014	--	27.38	--	74.76
		12/18/2014	--	29.28	--	72.86
		1/28/2015	--	30.33	--	71.81
		6/18/2015	--	28.73	--	73.41
		9/23/2015	--	27.91	--	74.23
		12/3/2015	--	29.31	--	72.83
		3/28/2016	--	31.52	--	70.62
		6/22/2016	--	28.00	--	74.14
9/6/2016	--	28.21	--	73.93		
11/28/2016	--	29.33	--	72.81		
3/6/2017	--	31.54	--	70.60		
6/12/2017	--	29.55	--	72.59		
10/27/2017	--	27.92	--	74.22		
12/6/2017	--	28.87	--	73.27		
3/13/2018	--	31.59	--	70.55		
6/28/2018	--	27.8	--	74.34		
9/6/2018	--	27.12	--	75.02		
12/19/2018	--	28.36	--	73.78		
3/5/2019	--	30.39	--	71.75		



TABLE 1
GROUNDWATER ELEVATIONS
 Farmington B Com #1E
 Hilcorp Energy Company
 San Juan County, New Mexico

Well ID	Top of Casing Elevation (1)	Sample Date	Depth to Product (feet BTOC)	Depth to Groundwater (feet BTOC)	Product Thickness (feet)	Adjusted Groundwater Elevation (2)
MW-6	102.14	5/21/2019	--	29.51	--	72.63
		8/26/2019	--	28.00	--	74.14
		10/29/2019	--	27.73	--	74.41
		1/29/2020	--	30.46	--	71.68
		4/21/2020	--	30.85	--	71.29
		7/16/2020	--	26.73	--	75.41
		10/1/2020	--	26.45	--	75.69
		1/6/2021	--	29.19	--	72.95
		4/8/2021	--	31.38	--	70.76
		9/23/2021	--	26.00	--	76.14
		12/1/2021	--	28.70	--	73.44
		1/28/2022	--	30.37	--	71.77
		4/21/2022	--	30.89	--	71.25
		7/26/2022	--	28.26	--	73.88
		10/26/2022	--	28.80	--	73.34
		1/30/2023	--	31.04	--	71.10
		6/12/2023	--	30.88	--	71.26
		7/19/2023	--	30.02	--	72.12
10/16/2023	--	28.60	--	73.54		
1/15/2024	--	30.73	--	71.41		
4/3/2025	--	31.97	--	70.17		

Notes:

- (1): surface elevation based on an arbitrary datum of 100 feet
- (2): groundwater elevation is adjusted using a density correction factor of 0.8 when product is present
- bgs: below ground surface
- BTOC: below top of casing
- NM: Not measured



TABLE 1
GROUNDWATER ELEVATIONS
 Farmington B Com #1E
 Hilcorp Energy Company
 San Juan County, New Mexico

Well ID	Top of Casing Elevation (1)	Sample Date	Depth to Product (feet BTOC)	Depth to Groundwater (feet BTOC)	Product Thickness (feet)	Adjusted Groundwater Elevation (2)
MW-6	102.14	8/2/2006	--	25.83	--	76.31
		11/14/2006	--	27.91	--	74.23
		2/20/2007	--	30.52	--	71.62
		5/15/2007	--	28.61	--	73.53
		8/21/2007	--	26.67	--	75.47
		11/7/2007	--	27.52	--	74.62
		1/16/2008	--	29.43	--	72.71
		3/18/2008	--	30.85	--	71.29
		7/24/2008	--	27.26	--	74.88
		10/22/2008	--	26.85	--	75.29
		1/21/2009	--	29.52	--	72.62
		4/1/2009	--	31.00	--	71.14
		6/10/2009	--	28.44	--	73.70
		10/1/2009	--	24.75	--	77.39
		12/17/2009	--	27.90	--	74.24
		3/29/2010	--	30.29	--	71.85
		6/11/2010	--	27.58	--	74.56
		9/24/2010	--	26.74	--	75.40
		2/7/2011	--	30.35	--	71.79
		3/18/2011	--	31.21	--	70.93
		6/20/2011	--	28.50	--	73.64
		9/30/2011	--	25.85	--	76.29
		12/15/2011	--	28.41	--	73.73
		9/21/2012	--	26.03	--	76.11
		4/4/2013	--	31.24	--	70.90
		9/30/2013	--	25.43	--	76.71
		9/26/2014	--	27.38	--	74.76
		12/18/2014	--	29.28	--	72.86
		1/28/2015	--	30.33	--	71.81
		6/18/2015	--	28.73	--	73.41
		9/23/2015	--	27.91	--	74.23
		12/3/2015	--	29.31	--	72.83
		3/28/2016	--	31.52	--	70.62
		6/22/2016	--	28.00	--	74.14
9/6/2016	--	28.21	--	73.93		
11/28/2016	--	29.33	--	72.81		
3/6/2017	--	31.54	--	70.60		
6/12/2017	--	29.55	--	72.59		
10/27/2017	--	27.92	--	74.22		
12/6/2017	--	28.87	--	73.27		
3/13/2018	--	31.59	--	70.55		
6/28/2018	--	27.8	--	74.34		
9/6/2018	--	27.12	--	75.02		
12/19/2018	--	28.36	--	73.78		
3/5/2019	--	30.39	--	71.75		



TABLE 2
GROUNDWATER QUALITY MEASUREMENTS
 Farmington B Com #1E
 Hilcorp Energy Company
 San Juan County, New Mexico

Well ID	Sample Date	Temperature (°C)	pH	TDS (g/L)	Conductivity (uS/cm)	DO (mg/L)	ORP (mV)	Volume (gallons)
MW-1	9/26/2014	18.30	7.17	0.824	1,268	1.60	-198.0	3.50
	12/18/2014	18.93	12.95	10.310	15,860	25.02	-166.1	2.00
	1/28/2015	18.78	11.91	4.202	6,495	10.54	-36.4	1.75
	6/18/2015	17.81	9.44	13.390	21,782	1.34	42.0	3.25
	9/23/2015	17.97	7.90	3.224	4,960	1.41	-127.6	2.50
	12/3/2015	17.97	7.92	1.311	2,016	2.45	-200.0	2.25
	3/28/2016	18.35	7.35	0.800	1,190	3.77	-101.0	2.00
	6/22/2016	16.70	7.30	--	2,620	0.50	-176.1	2.25
	9/7/2016	17.54	6.65	2.083	3,205	1.10	-127.8	3.50
	3/6/2017	15.98	8.72	1.564	2,398	0.86	-247.1	2.00
	6/12/2017	15.98	7.76	3.880	5,967	1.27	-103.8	2.75
	10/27/2017	18.65	7.22	0.783	1,273	5.27	-125.9	3.75
	12/6/2017	17.04	6.92	2.783	1,202	1.21	55.6	3.25
	3/13/2018	17.41	7.25	--	1,109	-0.05*	-125.4	1.80
	6/28/2018	17.65	7.03	--	1,593	1.07	-109.6	3.75
	9/6/2018	18.50	7.40	--	2,248	1.60	-116.7	4.00
	3/5/2019	16.90	7.46	--	1,090	--	-22.5	--
	5/21/2019	16.90	7.19	0.550	1,100	--	-19.8	2.75
	8/26/2019	21.70	7.13	0.640	1,270	--	-17.8	3.50
	10/30/2019	--	6.31	0.710	1,290	--	12.1	3.50
	1/29/2020	13.00	6.60	0.510	1,050	20.17*	-14.3	--
	4/21/2020	17.50	6.33	0.580	1,160	1.66	7.1	--
	7/16/2020	22.20	6.23	1.120	2,230	0.76	7.8	--
	10/1/2020	22.00	6.39	0.740	1,450	1.70	7.3	4.33
	1/6/2021	15.20	6.41	0.570	1,140	2.61	5.4	3.00
	4/9/2021	14.40	6.58	0.530	1,020	2.49	-0.3	2.00
	9/23/2021	20.00	7.00	--	3,040	--	--	2.46
	12/2/2021	14.30	6.39	--	1,040	--	--	3.25
	1/28/2022	10.80	6.63	--	940	--	--	2.50
	4/21/2022	18.60	6.35	0.490	990	--	--	2.25
7/26/2022	19.50	6.27	0.640	1,280	--	--	3.50	
10/26/2022	18.50	6.61	0.480	950	--	--	3.00	
1/30/2023	14.80	6.99	0.440	890	--	--	2.00	
6/12/2023	18.70	6.86	0.400	790	--	--	2.50	
7/19/2023	34.28	7.52	0.760	1,163	1.12	-92.1	--	
10/16/2023	27.11	7.56	0.950	1,463.7	1.38	-93.2	3.25	
1/15/2024	9.02	7.79	0.580	883.7	2.02	-103.5	2.25	
4/3/2025	--	--	--	--	--	--	--	
MW-2	9/23/2015	18.01	7.11	0.782	1,204	2.86	0.9	3.50
	9/7/2016	17.45	6.95	0.703	1,081	3.89	5.7	4.00
	3/13/2018	17.86	7.23	--	1,046	2.50	48.5	1.80
	6/28/2018	17.19	7.02	--	1,142	3.47	45.1	4.50
	9/6/2018	23.70	7.30	--	1,199	2.63	-7.4	5.00
	3/5/2019	--	--	--	--	--	--	--
	5/21/2019	--	--	--	--	--	--	--
	8/26/2019	--	--	--	--	--	--	--
	10/30/2019	16.20	6.38	0.550	1,100	--	-28.5	4.25
	1/29/2020	14.90	6.55	0.590	1,180	13.5*	-30.5	--
	4/22/2020	15.10	6.52	0.500	1,010	3.09	-18.1	--
	7/17/2020	18.80	6.52	0.650	1,320	2.87	-11.6	--
	10/2/2020	15.50	6.54	0.550	1,090	4.64	-20.4	4.91
	1/7/2021	13.10	6.76	0.560	1,100	2.11	-19.5	3.59
	4/9/2021	15.70	6.43	0.470	950	3.01	-29.9	2.50
	9/23/2021	22.10	7.04	--	3,310	--	--	4.14
	12/2/2021	15.90	6.49	--	1,040	--	--	4.00
	1/28/2022	12.20	6.48	--	960	--	--	3.00
	4/21/2022	18.20	6.55	0.450	900	--	--	2.00
	7/26/2022	19.40	6.34	0.510	1,020	--	--	4.25
10/26/2022	18.20	6.78	0.490	980	--	--	3.50	
1/30/2023	14.70	6.93	0.440	880	--	--	2.25	
6/12/2023	18.00	6.84	0.460	920	--	--	2.25	
7/19/2023	37.27	7.49	0.720	1,104	5.02	56.5	--	



TABLE 2
GROUNDWATER QUALITY MEASUREMENTS
 Farmington B Com #1E
 Hilcorp Energy Company
 San Juan County, New Mexico

Well ID	Sample Date	Temperature (°C)	pH	TDS (g/L)	Conductivity (uS/cm)	DO (mg/L)	ORP (mV)	Volume (gallons)
MW-2	10/16/2023	26.65	7.59	0.820	1,262.4	3.27	-56.2	3.50
	1/15/2024	7.81	7.78	0.890	1,367.6	4.18	20.4	2.50
	4/3/2025	12.38	7.61	0.000	0.08	3.50	282.9	2.00
MW-3	9/23/2015	17.49	7.28	0.787	1,211	9.40	-45.2	3.25
	9/7/2016	16.37	6.81	0.673	1,035	3.54	17.5	3.50
	11/28/2016	16.68	7.92	--	1,072	4.09	62.3	3.50
	3/6/2017	15.38	7.65	0.782	1,202	3.26	-117.1	1.50
	6/12/2017	14.88	7.33	0.612	943	4.51	-95.6	3.00
	10/27/2017	17.27	7.37	--	800	6.11	35.0	3.75
	12/6/2017	16.08	7.01	0.596	918	3.42	-56.9	3.00
	3/13/2018	16.97	7.21	--	1,034	0.06	35.9	1.50
	6/28/2018	18.39	7.53	--	676	3.88	47.0	4.25
	9/6/2018	18.17	8.14	--	583	2.84	6.6	4.25
	3/5/2019	NA	7.47	0.530	1,050	NA	-24.6	--
	5/21/2019	16.30	7.25	0.310	560	--	-28.1	3.00
	8/26/2019	21.50	7.46	0.500	1,000	--	-28.7	3.75
	10/30/2019	17.40	6.60	0.990	990	--	-45.1	3.75
	1/29/2020	13.00	6.78	0.500	1,000	15.04*	-42.5	--
	4/22/2020	17.10	6.57	0.550	1,090	3.63	-23.3	--
	7/17/2020	18.60	6.85	0.300	600	2.97	-53.7	--
	10/2/2020	14.80	6.91	0.290	580	5.57	-44.0	4.44
	1/7/2021	14.10	6.70	0.360	720	2.29	-37.2	2.84
	4/9/2021	17.70	6.71	0.540	1,070	2.22	-29.2	2.00
	9/22/2021	18.60	7.00	--	1,148	--	--	3.30
	12/2/2021	16.20	6.59	--	850	--	--	3.00
	1/28/2022	14.10	6.77	--	940	--	--	2.00
	4/21/2022	17.90	6.60	0.450	890	--	--	2.75
	7/26/2022	18.10	6.83	0.380	760	--	--	4.00
	10/26/2022	15.90	6.44	0.420	840	--	--	2.50
	1/30/2023	16.90	6.88	0.450	900	--	--	1.25
6/12/2023	17.70	6.60	0.440	900	--	--	1.75	
7/19/2023	31.11	7.42	0.690	1,057	4.37	131.7	--	
10/16/2023	32.00	7.55	0.710	1,092.9	3.89	231.1	2.75	
1/15/2024	12.56	7.75	0.800	1,231.8	3.82	40.2	1.50	
4/3/2025	12.79	7.65	0.000	0.07	4.90	266.9	0.50	
MW-4	9/23/2015	17.73	7.52	0.411	632	10.50	-18.5	3.25
	9/7/2016	16.75	6.80	0.693	1,066	3.59	14.9	2.50
	11/28/2016	16.93	7.32	--	1,003	3.11	113.1	2.00
	3/13/2018	17.12	7.24	--	985	2.19	52.4	0.68
	6/28/2018	19.87	7.07	--	1,098	3.62	61.6	3.00
	9/6/2018	18.26	7.49	--	1,007	2.94	44.0	4.00
	3/5/2019	--	--	--	--	--	--	--
	5/21/2019	--	--	--	--	--	--	--
	8/26/2019	--	--	--	--	--	--	--
	10/30/2019	15.90	6.44	0.630	1,250	--	-24.6	2.75
	1/28/2020	14.30	6.63	0.530	1,050	11.56*	-25.7	--
	4/21/2020	18.30	6.28	0.540	1,080	4.51	-20.5	--
	7/16/2020	21.40	6.51	0.640	1,280	2.76	-19.9	--
	10/1/2020	17.90	6.61	0.510	1,020	4.82	-30.0	3.37
	1/6/2021	12.90	6.37	0.500	980	3.21	-21.5	1.93
	4/8/2021	17.70	6.41	0.520	1,030	6.72	-21.0	0.75
	9/23/2021	19.50	6.99	--	3,320	--	--	3.75
	12/1/2021	15.90	6.54	--	1,100	--	--	2.25
	1/27/2022	12.50	6.42	--	1,080	--	--	1.50
	4/21/2022	18.60	6.72	0.460	910	--	--	0.50
	7/26/2022	19.10	6.29	0.510	1,010	--	--	2.75
	10/26/2022	17.10	6.52	0.540	1,080	--	--	1.75
	1/30/2023	17.40	6.74	0.440	890	--	--	0.25
	6/12/2023	20.00	6.62	0.400	810	--	--	0.75
	7/19/2023	32.34	7.31	0.740	1,136	3.60	127.2	--
	10/16/2023	32.44	7.44	0.790	1,216.5	3.58	185.8	2.00
	1/15/2024	10.99	7.71	0.660	1,016.6	2.57	61.6	0.75
4/3/2025	--	--	--	--	--	--	--	



TABLE 2 GROUNDWATER QUALITY MEASUREMENTS Farmington B Com #1E Hilcorp Energy Company San Juan County, New Mexico									
Well ID	Sample Date	Temperature (°C)	pH	TDS (g/L)	Conductivity (uS/cm)	DO (mg/L)	ORP (mV)	Volume (gallons)	
MW-5	9/23/2015	18.12	7.04	0.892	1,373	6.29	-109.5	2.75	
	9/7/2016	16.82	6.90	0.931	1,433	6.49	41.1	4.50	
	11/28/2016	17.58	7.37	--	1,141	6.64	104.1	2.00	
	3/13/2018	16.60	7.23	--	1,033	1.80	51.1	0.81	
	6/8/2018	16.38	7.12	--	1,097	6.17	70.5	3.00	
	9/6/2018	17.90	7.28	--	1,023	7.28	51.6	3.25	
	3/5/2019	--	--	--	--	--	--	--	
	5/21/2019	--	--	--	--	--	--	--	
	8/26/2019	--	--	--	--	--	--	--	
	10/30/2019	14.70	6.78	0.880	1,460	--	-26.3	2.75	
	1/28/2020	12.50	6.92	0.520	1,080	6.61	-28.6	--	
	4/21/2020	16.20	6.20	0.530	1,070	4.80	-25.0	--	
	7/16/2020	20.70	6.40	0.650	1,320	4.34	-23.3	--	
	10/1/2020	16.60	6.64	0.500	1,060	5.89	-37.6	3.48	
	1/6/2021	11.80	6.63	0.460	880	6.28	-38.1	2.01	
	4/8/2021	14.30	6.40	0.570	1,180	2.42	-25.1	1.00	
	9/23/2021	18.10	7.01	--	3,350	--	--	3.00	
	12/1/2021	15.90	6.55	--	1,040	--	--	2.25	
	1/27/2022	15.30	6.37	--	1,000	--	--	1.00	
	4/21/2022	18.60	6.94	0.460	910	--	--	1.50	
	7/26/2022	18.80	6.35	0.470	980	--	--	2.75	
	10/26/2022	17.10	6.80	0.510	1,020	--	--	2.25	
	1/30/2023	16.60	6.90	0.460	920	--	--	1.00	
	6/12/2023	18.70	6.68	0.400	800	--	--	1.25	
	7/19/2023	33.54	7.47	0.690	1,068	5.14	149.4	--	
10/16/2023	30.25	7.63	0.020	26.57	5.72	216.9	2.50		
1/15/2024	11.16	7.73	0.510	780.12	4.89	92.0	1.25		
4/3/2025	--	--	--	--	--	--	--		
MW-6	9/26/2014	17.65	7.22	0.712	1,096	1.38	-39.5	2.75	
	12/18/2014	18.31	7.87	0.985	1,515	1.99	-161.7	2.25	
	1/28/2015	17.73	7.52	0.868	1,335	4.17	-122.1	1.50	
	6/18/2015	17.09	8.18	1.194	1,836	1.81	-89.5	2.50	
	9/23/2015	17.98	8.10	1.014	1,559	2.45	-73.5	3.00	
	12/3/2015	18.04	8.06	0.931	1,433	4.07	-177.6	2.25	
	3/28/2016	18.05	7.04	0.600	1,000	5.16	-9.0	1.25	
	6/22/2016	17.00	7.38	--	1,060	1.63	1.8	3.00	
	9/7/2016	16.94	7.03	0.777	1,196	2.46	8.5	2.50	
	11/28/2016	17.79	9.12	--	3,150	3.50	115.9	2.00	
	3/6/2017	15.90	7.42	0.810	1,247	1.53	-160.6	1.50	
	6/12/2017	15.22	7.42	0.763	1,174	2.56	-116.3	2.00	
	10/27/2017	17.98	7.21	--	1,196	3.06	74.1	3.00	
	12/6/2017	16.64	7.09	0.851	1,307	2.53	-63.8	2.50	
	3/13/2018	17.05	7.23	--	1,043	0.15	14.6	1.14	
	6/28/2018	17.56	7.08	--	1,198	1.28	60.1	3.00	
	9/6/2018	18.06	7.43	--	1,395	1.31	51.6	3.50	
	3/5/2019	14.20	7.56	--	1,370	--	-24.4	--	
	5/21/2019	14.30	7.26	0.500	1,010	--	-29.6	2.00	
	8/26/2019	19.10	7.05	0.580	1,170	--	-25.2	2.75	
	10/29/2019	17.70	6.47	0.630	1,300	--	-25.6	3.00	
	1/29/2020	12.20	6.80	0.540	1,070	6.75	-26.2	--	
	4/21/2020	18.80	6.55	0.580	1,180	3.10	-20.0	--	
	7/16/2020	22.30	6.37	0.770	1,550	2.17	-11.6	--	
	10/1/2020	19.20	6.78	0.730	1,460	3.69	-22.2	3.64	
	1/6/2021	12.20	6.57	0.530	1,080	2.44	-26.2	2.30	
	4/8/2021	18.90	6.64	0.500	1,000	1.62	-17.4	1.25	
	9/23/2021	19.00	7.10	--	2,780	--	--	2.93	
	12/1/2021	16.90	6.65	--	1,030	--	--	2.50	
	1/28/2022	9.10	6.80	--	950	--	--	1.75	
	4/21/2022	Insufficient water volume to sample							
	7/26/2022	19.40	6.38	0.480	960	--	--	2.75	
10/26/2022	17.50	6.66	0.460	910	--	--	2.50		



TABLE 2 GROUNDWATER QUALITY MEASUREMENTS Farmington B Com #1E Hillcorp Energy Company San Juan County, New Mexico								
Well ID	Sample Date	Temperature (°C)	pH	TDS (g/L)	Conductivity (uS/cm)	DO (mg/L)	ORP (mV)	Volume (gallons)
MW-6	1/30/2023	16.20	6.85	0.450	890	--	--	1.25
	6/12/2023	18.70	6.75	0.450	900	--	--	1.25
	7/19/2023	33.19	7.44	0.770	1,181	2.22	155.8	--
	10/16/2023	27.53	8.01	0.010	1,503	2.31	239.1	2.50
	1/15/2024	9.26	7.76	0.780	1,195	2.53	-0.6	1.50
	4/3/2025	12.47	7.85	0.000	0.08	2.63	285.6	1.00
TMW-1	12/3/2015	17.12	8.23	2.072	3,188	7.40	-205.6	--
TMW-2	12/3/2015	17.54	9.40	5.043	7,761	2.47	-231.2	--

Notes:

- °C: degrees Celcius
- DO: dissolved oxygen
- g/L: grams per liter
- uS/cm: microsiemens per centimeter
- mg/L: milligrams per liter
- mV: millivolts
- ORP: oxidation-reduction potential
- TDS: total dissolved solids
- : data not collected



TABLE 3 GROUNDWATER ANALYTICAL RESULTS Farmington B Com #1E Hilcorp Energy Company San Juan County, New Mexico					
Well ID	Sample Date	Sample Type	Iron (dissolved) (mg/L)	Manganese (dissolved) (mg/L)	
NMWQCC Standards			1.0	0.20	
MW-1	2/19/1998	(orig)	--	--	
	12/29/1998	(orig)	--	--	
	5/9/2005	(orig)	--	--	
	10/19/2005	(orig)	--	--	
	11/14/2006	(orig)	--	--	
	11/7/2007	(orig)	--	--	
	7/24/2008	(orig)	--	--	
	7/24/2008	(Duplicate)	--	--	
	10/22/2008	(orig)	--	--	
	10/22/2008	(Duplicate)	--	--	
	1/21/2009	Free Product - Not Sampled			
	4/1/2009	(orig)	--	--	
	6/10/2009	(orig)	--	--	
	10/1/2009	(orig)	0.233	--	
	12/17/2009	(orig)	0.521	--	
	3/29/2010	(orig)	0.0803	--	
	6/11/2010	(orig)	0.0217	--	
	9/24/2010	(orig)	0.0285	--	
	2/7/2011	(orig)	--	0.459	
	3/18/2011	(orig)	< 0.02	0.477	
	6/20/2011	(orig)	0.157	0.424	
	6/20/2011	(Duplicate)	--	--	
	9/30/2011	(orig)	4.1	0.268	
	9/30/2011	(Duplicate)	--	--	
	12/15/2011	(orig)	1.91	0.35	
	12/15/2011	(Duplicate)	--	--	
	9/21/2012	(orig)	2.9	0.27	
	4/4/2013	(orig)	1.8	0.47	
9/30/2013	(orig)	1.7	0.29		
9/26/2014	(orig)	2.3	0.34		
11/5/2014	CHEMICAL OXIDATION INJECTION EVENT				



TABLE 3 GROUNDWATER ANALYTICAL RESULTS Farmington B Com #1E Hilcorp Energy Company San Juan County, New Mexico				
Well ID	Sample Date	Sample Type	Iron (dissolved) (mg/L)	Manganese (dissolved) (mg/L)
NMWQCC Standards			1.0	0.20
MW-1	12/18/2014	(orig)	0.0805	< 0.005
	1/28/2015	(orig)	< 0.050	< 0.005
	3/17/2015	CHEMICAL OXIDATION - 2nd INJECTION		
	6/18/2015	(orig)	< 0.5	< 0.05
	6/18/2015	(Duplicate)	< 0.5	< 0.05
	9/23/2015	(orig)	< 0.05	< 0.005
	9/23/2015	(Duplicate)	< 0.05	< 0.005
	12/3/2015	(orig)	0.678	0.568
	12/3/2015	(Duplicate)	0.776	0.597
	3/28/2016	(orig)	--	0.454
	3/28/2016	(Duplicate)	--	0.445
	6/22/2016	(orig)	16.2	1.72
	9/7/2016	(orig)	7.66	1.63
	9/7/2016	(Duplicate)	10.2	1.77
	10/18/2016	CHEMICAL OXIDATION - 3rd INJECTION		
	3/6/2017	(orig)	<0.05	0.022
	6/12/2017	(orig)	0.662	0.839
	10/27/2017	(orig)	6.69	1.15
	12/06/2017	(orig)	4.89	1.02
	3/13/2018	(orig)	3.44	0.961
	6/28/2018	(orig)	8.15	1.14
	9/6/2018	(orig)	9.04	3.76
	12/19/2018	(orig)	<0.10	0.86
	3/5/2019	(orig)	<0.10	1.07
	5/21/2019	(orig)	<0.10	1.02
	8/26/2019	(orig)	<0.10	1.07
	10/30/2019	(orig)	<0.10	1.01
	1/29/2020	(orig)	<0.10	1.14
4/21/2020	(orig)	<0.10	1.20	
Q3	Invalid Sample due to laboratory complications			
10/1/2020	(orig)	0.11	2.91	



TABLE 3 GROUNDWATER ANALYTICAL RESULTS Farmington B Com #1E Hilcorp Energy Company San Juan County, New Mexico					
Well ID	Sample Date	Sample Type	Iron (dissolved) (mg/L)	Manganese (dissolved) (mg/L)	
NMWQCC Standards			1.0	0.20	
MW-1	1/6/2021	(orig)	<0.10	1.10	
	4/9/2021	(orig)	<0.10	1.00	
	9/23/2021	(orig)	5.5	1.1	
	12/2/2021	(orig)	0.22	0.72	
	1/28/2022	(orig)	<0.020	0.66	
	4/21/2022	(orig)	1.1	0.72	
	7/26/2022	(orig)	2.7	1.2	
	10/26/2022	(orig)	2.5	0.76	
	1/30/2023	(orig)	0.75	0.56	
	6/12/2023	(orig)	<0.020	0.0022	
	7/19/2023	(orig)	0.42	0.61	
	10/16/2023	(orig)	0.43	0.87	
	1/15/2024	(orig)	<0.020	0.63	
	4/30/2024	(orig)	<0.020	0.53	
4/30/2025	Free Product - Not Sampled				
MW-2	4/4/2013	(orig)	< 0.05	0.046	
	9/30/2013	(orig)	< 0.05	0.0077	
	9/23/2015	(orig)	< 0.05	< 0.005	
	9/7/2016	(orig)	< 0.05	< 0.005	
	3/13/2018	(orig)	< 0.05	0.0167	
	6/28/2018	(orig)	< 0.05	< 0.005	
	9/6/2018	(orig)	< 0.05	< 0.005	
	12/19/2018	(orig)	< 0.10	< 0.010	
	10/30/2019	(orig)	< 0.10	< 0.010	
	1/29/2020	(orig)	< 0.10	< 0.010	
	4/21/2020	(orig)	< 0.10	< 0.010	
	Q3	Invalid Sample due to laboratory complications			
	10/2/2020	(orig)	< 0.10	< 0.010	
	1/7/2021	(orig)	< 0.10	< 0.010	
	4/9/2021	(orig)	< 0.020	0.013	
9/22/2021	(orig)	< 0.020	0.0026		
12/2/2021	(orig)	< 0.020	< 0.0020		



TABLE 3 GROUNDWATER ANALYTICAL RESULTS Farmington B Com #1E Hilcorp Energy Company San Juan County, New Mexico				
Well ID	Sample Date	Sample Type	Iron (dissolved) (mg/L)	Manganese (dissolved) (mg/L)
NMWQCC Standards			1.0	0.20
MW-2	1/28/2022	(orig)	< 0.020	0.0030
	4/21/2022	(orig)	< 0.020	< 0.0020
	7/26/2022	(orig)	<0.020	<0.0020
	10/26/2022	(orig)	<0.020	<0.0020
	1/30/2023	(orig)	<0.020	0.0063
	6/12/2023	(orig)	0.084	0.60
	7/19/2023	(orig)	0.029	<0.0020
	10/16/2023	(orig)	<0.020	<0.0020
	1/15/2024	(orig)	<0.020	<0.0020
	4/30/2024	(orig)	<0.020	<0.0020
	4/3/2025	(orig)	--	<0.0020
MW-3	12/15/2011	(orig)	0.246	0.112
	4/4/2013	(orig)	0.34	0.28
	9/30/2013	(orig)	< 0.05	0.047
	9/23/2015	(orig)	< 0.05	0.121
	9/7/2016	(orig)	< 0.05	0.85
	11/28/2016	(orig)	0.218	0.0959
	3/6/2017	(orig)	0.149	0.211
	6/12/2017	(orig)	0.0726	0.0604
	10/27/2017	(orig)	< 0.05	0.136
	12/06/2017	(orig)	< 0.05	0.0361
	3/13/2018	(orig)	< 0.05	0.084
	6/18/2018	(orig)	< 0.05	0.0336
	6/6/2018	(orig)	< 0.05	0.143
	12/19/2018	(orig)	< 0.10	0.157
	3/5/2019	(orig)	< 0.10	0.0341
	5/21/2019	(orig)	< 0.10	<0.01
	8/26/2019	(orig)	< 0.10	0.249
	10/30/2019	(orig)	< 0.10	0.145
1/29/2020	(orig)	< 0.10	0.066	
4/21/2020	(orig)	< 0.10	0.0156	



TABLE 3 GROUNDWATER ANALYTICAL RESULTS Farmington B Com #1E Hilcorp Energy Company San Juan County, New Mexico				
Well ID	Sample Date	Sample Type	Iron (dissolved) (mg/L)	Manganese (dissolved) (mg/L)
NMWQCC Standards			1.0	0.20
MW-3	Q3	Invalid Sample due to laboratory complications		
	10/2/2020	(orig)	<0.10	0.041
	1/7/2021	(orig)	<0.10	0.0243
	4/9/2021	(orig)	< 0.020	0.016
	9/22/2021	(orig)	< 0.020	0.13
	12/2/2021	(orig)	< 0.020	0.065
	1/28/2022	(orig)	0.029	0.0065
	4/21/2022	(orig)	< 0.020	0.038
	7/26/2022	(orig)	<0.020	0.11
	10/26/2022	(orig)	0.023	0.35
	1/30/2023	(orig)	<0.020	0.0036
	6/12/2023	(orig)	0.062	0.037
	7/19/2023	(orig)	<0.020	0.04
	10/16/2023	(orig)	<0.020	0.15
	1/15/2024	(orig)	<0.020	0.012
4/30/2024	(orig)	<0.020	0.065	
4/3/2025	(orig)	--	<0.0020	
MW-4	4/4/2013	(orig)	< 0.05	0.069
	9/30/2013	(orig)	< 0.05	< 0.005
	9/23/2015	(orig)	< 0.05	< 0.005
	9/7/2016	(orig)	< 0.05	0.0094
	11/28/2016	(orig)	< 0.05	0.0066
	3/13/2018	(orig)	< 0.05	0.0063
	6/28/2018	(orig)	< 0.05	< 0.005
	9/6/2018	(orig)	< 0.05	< 0.005
	12/19/2018	(orig)	< 0.10	< 0.010
	10/29/2019	(orig)	< 0.10	< 0.010
	1/29/2020	(orig)	< 0.10	< 0.010
	4/21/2020	(orig)	< 0.10	< 0.010
	Q3	Invalid Sample due to laboratory complications		
10/2/2020	(orig)	<0.10	<0.010	



TABLE 3 GROUNDWATER ANALYTICAL RESULTS Farmington B Com #1E Hilcorp Energy Company San Juan County, New Mexico				
Well ID	Sample Date	Sample Type	Iron (dissolved) (mg/L)	Manganese (dissolved) (mg/L)
NMWQCC Standards			1.0	0.20
MW-4	1/6/2021	(orig)	<0.10	<0.010
	4/8/2021	(orig)	<0.020	<0.0020
	9/23/2021	(orig)	<0.020	<0.0020
	12/1/2021	(orig)	<0.020	<0.0020
	1/27/2022	(orig)	<0.020	<0.0020
	4/21/2022	(orig)	<0.020	<0.0020
	7/26/2022	(orig)	0.026	<0.0020
	10/26/2022	(orig)	<0.020	<0.0020
	1/30/2023	(orig)	0.085	0.0048
	6/12/2023	(orig)	0.25	0.018
	7/19/2023	(orig)	<0.020	<0.0020
	10/16/2023	(orig)	<0.020	<0.0020
	1/15/2024	(orig)	<0.020	<0.0020
	4/30/2024	(orig)	<0.020	<0.0020
MW-5	4/4/2013	(orig)	< 0.05	< 0.005
	4/4/2013	(Duplicate)	0.62	0.025
	9/30/2013	(orig)	< 0.05	< 0.005
	9/23/2015	(orig)	< 0.05	< 0.005
	9/7/2016	(orig)	< 0.05	< 0.005
	11/28/2016	(orig)	0.186	0.0083
	03/13/2018	(orig)	0.0668	< 0.05
	6/28/2018	(orig)	< 0.05	< 0.005
	9/6/2018	(orig)	< 0.05	< 0.005
	12/19/2018	(orig)	< 0.10	< 0.010
	10/29/2019	(orig)	< 0.10	< 0.010
	1/29/2020	(orig)	< 0.10	< 0.010
	4/21/2020	(orig)	< 0.10	< 0.010
	Q3	Invalid Sample due to laboratory complications		
	10/1/2020	(orig)	<0.10	0.0131
	1/6/2021	(orig)	<0.10	<0.01
4/8/2021	(orig)	<0.020	<0.002	



TABLE 3 GROUNDWATER ANALYTICAL RESULTS Farmington B Com #1E Hilcorp Energy Company San Juan County, New Mexico				
Well ID	Sample Date	Sample Type	Iron (dissolved) (mg/L)	Manganese (dissolved) (mg/L)
NMWQCC Standards			1.0	0.20
MW-5	9/23/2021	(orig)	<0.020	0.0037
	12/1/2021	(orig)	<0.020	<0.0020
	1/27/2022	(orig)	<0.020	<0.0020
	4/21/2022	(orig)	<0.020	<0.0020
	7/26/2022	(orig)	<0.020	<0.0020
	10/26/2022	(orig)	<0.020	<0.0020
	1/30/2023	(orig)	<0.020	<0.0020
	6/12/2023	(orig)	0.025	<0.0020
	7/19/2023	(orig)	<0.020	<0.0020
	10/16/2023	(orig)	<0.020	<0.0020
	1/15/2024	(orig)	<0.020	<0.0020
	4/30/2024	(orig)	<0.020	<0.0020
MW-6	9/15/1998	(orig)	--	--
	12/29/1998	(orig)	--	--
	3/3/1999	(orig)	--	--
	6/15/1999	(orig)	--	--
	9/15/1999	(orig)	--	--
	12/14/1999	(orig)	--	--
	1/22/2004	(orig)	--	--
	5/9/2005	(orig)	--	--
	10/19/2005	(orig)	--	--
	11/14/2006	(orig)	--	--
	11/7/2007	(orig)	--	--
	7/24/2008	(orig)	--	--
	10/22/2008	(orig)	--	--
	1/21/2009	(orig)	--	--
	4/1/2009	(orig)	--	--
	6/10/2009	(orig)	--	--
	10/1/2009	(orig)	< 0.02	--
12/17/2009	(orig)	0.0511	--	
3/29/2010	(orig)	< 0.0200	--	



TABLE 3
GROUNDWATER ANALYTICAL RESULTS

Farmington B Com #1E
Hilcorp Energy Company
San Juan County, New Mexico

Well ID	Sample Date	Sample Type	Iron (dissolved) (mg/L)	Manganese (dissolved) (mg/L)	
NMWQCC Standards			1.0	0.20	
MW-6	6/11/2010	(orig)	< 0.0200	--	
	9/24/2010	(orig)	< 0.0200	--	
	2/7/2011	(orig)	--	0.543	
	3/18/2011	(orig)	< 0.02	0.0679	
	6/20/2011	(orig)	< 0.1	0.43	
	9/30/2011	(orig)	< 0.05	0.0261	
	12/15/2011	(orig)	0.429	1.06	
	9/21/2012	(orig)	< 0.05	0.058	
	9/21/2012	(Duplicate)	< 0.06	0.055	
	4/4/2013	(orig)	0.056	0.33	
	9/30/2013	(orig)	< 0.05	0.17	
	9/30/2013	(Duplicate)	< 0.05	0.17	
	9/26/2014	(orig)	0.24	0.44	
	9/26/2014	(Duplicate)	0.27	0.41	
	11/5/2014	CHEMICAL OXIDATION INJECTION EVENT			
	12/18/2014	(orig)	1.33	0.268	
	12/18/2014	(Duplicate)	1.11	0.255	
	1/28/2015	(orig)	< 0.05	0.402	
	3/17/2015	CHEMICAL OXIDATION - 2nd INJECTION			
	6/18/2015	(orig)	0.0636	0.0225	
	9/23/2015	(orig)	< 0.05	0.0152	
	12/3/2015	(orig)	0.0709	0.194	
	3/28/2016	(orig)	--	0.456	
	6/22/2016	(orig)	< 0.05	0.463	
	9/7/2016	(orig)	< 0.05	0.409	
	10/18/2016	CHEMICAL OXIDATION - 3rd INJECTION			
	11/28/2016	(orig)	< 0.05	0.0051	
	3/6/2017	(orig)	0.0598	0.428	
6/12/2017	(orig)	0.0543	0.0618		
10/27/2017	(orig)	< 0.05	0.218		
12/06/2017	(orig)	< 0.05	0.311		



TABLE 3 GROUNDWATER ANALYTICAL RESULTS Farmington B Com #1E Hilcorp Energy Company San Juan County, New Mexico				
Well ID	Sample Date	Sample Type	Iron (dissolved) (mg/L)	Manganese (dissolved) (mg/L)
NMWQCC Standards			1.0	0.20
MW-6	3/13/2018	(orig)	< 0.05	0.925
	6/28/2018	(orig)	< 0.05	0.973
	9/6/2018	(orig)	< 0.05	0.848
	12/19/2018	(orig)	< 0.10	0.306
	3/05/2019	(orig)	< 0.10	0.617
	5/21/2019	(orig)	< 0.10	0.420
	8/26/2019	(orig)	< 0.10	0.357
	10/29/2019	(orig)	< 0.10	0.211
	1/29/2020	(orig)	< 0.10	0.524
	4/21/2020	(orig)	< 0.10	0.556
	Q3	Invalid Sample due to laboratory complications		
	10/1/2020	(orig)	<0.10	<0.010
	1/6/2021	(orig)	< 0.10	0.438
	4/8/2021	(orig)	< 0.020	0.51
	9/22/2021	(orig)	< 0.020	0.53
	12/1/2021	(orig)	< 0.020	0.80
	1/28/2022	(orig)	< 0.020	0.69
	4/21/2022	Insufficient water volume to sample		
	7/26/2022	(orig)	< 0.020	0.94
	10/26/2022	(orig)	< 0.020	0.85
	1/30/2023	(orig)	<0.020	0.73
6/12/2023	(orig)	<0.020	0.32	
7/19/2023	(orig)	<0.020	0.40	
10/16/2023	(orig)	<0.020	0.68	
1/15/2024	(orig)	<0.020	0.81	



TABLE 3 GROUNDWATER ANALYTICAL RESULTS Farmington B Com #1E Hilcorp Energy Company San Juan County, New Mexico				
Well ID	Sample Date	Sample Type	Iron (dissolved) (mg/L)	Manganese (dissolved) (mg/L)
NMWQCC Standards			1.0	0.20
MW-6	4/30/2024	(orig)	<0.020	0.13
	4/3/2025	(orig)	--	0.19

Notes:

mg/L: milligrams per liter

ND: not detected, practical quantitation limit unknown

NMWQCC: New Mexico Water Quality Control Commission

--: not analyzed

<0.037: indicates result less than the stated laboratory reporting limit (PQL)

Concentrations in **bold** and shaded exceed the New Mexico Water Quality Control Commission Standards, 20.6.2 of the New Mexico Administrative Code



APPENDIX A

Laboratory Analytical Reports



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mitch Killough
Hilcorp Energy
PO BOX 4700
Farmington, New Mexico 87499

Generated 4/11/2025 3:24:03 PM

JOB DESCRIPTION

Farmington B-Com No 1E

JOB NUMBER

885-22920-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109



Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization



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4/11/2025 3:24:03 PM

Authorized for release by
Michelle Garcia, Project Manager
michelle.garcia@et.eurofinsus.com
(505)345-3975

Client: Hilcorp Energy
Project/Site: Farmington B-Com No 1E

Laboratory Job ID: 885-22920-1



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Definitions/Glossary

Client: Hilcorp Energy
Project/Site: Farmington B-Com No 1E

Job ID: 885-22920-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Hilcorp Energy
Project: Farmington B-Com No 1E

Job ID: 885-22920-1

Job ID: 885-22920-1

Eurofins Albuquerque

Job Narrative 885-22920-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 4/9/2025 7:10 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.4°C.

Metals

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Albuquerque



Client Sample Results

Client: Hilcorp Energy
Project/Site: Farmington B-Com No 1E

Job ID: 885-22920-1

Client Sample ID: MW-2

Lab Sample ID: 885-22920-1

Date Collected: 04/03/25 11:15

Matrix: Water

Date Received: 04/09/25 07:10

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	ND		0.0020	mg/L			04/10/25 10:24	1

- 1
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Client Sample Results

Client: Hilcorp Energy
Project/Site: Farmington B-Com No 1E

Job ID: 885-22920-1

Client Sample ID: MW-3

Lab Sample ID: 885-22920-2

Date Collected: 04/03/25 10:00

Matrix: Water

Date Received: 04/09/25 07:10

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	ND		0.0020	mg/L			04/10/25 10:28	1

- 1
- 2
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Client Sample Results

Client: Hilcorp Energy
Project/Site: Farmington B-Com No 1E

Job ID: 885-22920-1

Client Sample ID: MW-6

Lab Sample ID: 885-22920-3

Date Collected: 04/03/25 10:30

Matrix: Water

Date Received: 04/09/25 07:10

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	0.19		0.0020	mg/L			04/10/25 10:32	1

- 1
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QC Sample Results

Client: Hilcorp Energy
 Project/Site: Farmington B-Com No 1E

Job ID: 885-22920-1

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MRL 885-24005/31
Matrix: Water
Analysis Batch: 24005

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Manganese	0.00200	0.00201		mg/L		101	50 - 150

Lab Sample ID: 885-22920-3 MS
Matrix: Water
Analysis Batch: 24005

Client Sample ID: MW-6
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Manganese	0.19		0.500	0.686		mg/L		100	70 - 130

Lab Sample ID: 885-22920-3 MSD
Matrix: Water
Analysis Batch: 24005

Client Sample ID: MW-6
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Manganese	0.19		0.500	0.669		mg/L		96	70 - 130	3	20

QC Association Summary

Client: Hilcorp Energy
 Project/Site: Farmington B-Com No 1E

Job ID: 885-22920-1

Metals

Filtration Batch: 23939

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-22920-1	MW-2	Dissolved	Water	Filtration	
885-22920-2	MW-3	Dissolved	Water	Filtration	
885-22920-3	MW-6	Dissolved	Water	Filtration	
885-22920-3 MS	MW-6	Dissolved	Water	Filtration	
885-22920-3 MSD	MW-6	Dissolved	Water	Filtration	

Analysis Batch: 24005

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-22920-1	MW-2	Dissolved	Water	200.7 Rev 4.4	23939
885-22920-2	MW-3	Dissolved	Water	200.7 Rev 4.4	23939
885-22920-3	MW-6	Dissolved	Water	200.7 Rev 4.4	23939
MRL 885-24005/31	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	
885-22920-3 MS	MW-6	Dissolved	Water	200.7 Rev 4.4	23939
885-22920-3 MSD	MW-6	Dissolved	Water	200.7 Rev 4.4	23939

Lab Chronicle

Client: Hilcorp Energy
 Project/Site: Farmington B-Com No 1E

Job ID: 885-22920-1

Client Sample ID: MW-2

Lab Sample ID: 885-22920-1

Date Collected: 04/03/25 11:15

Matrix: Water

Date Received: 04/09/25 07:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Filtration	Filtration			23939	NP	EET ALB	04/09/25 14:24
Dissolved	Analysis	200.7 Rev 4.4		1	24005	VP	EET ALB	04/10/25 10:24

Client Sample ID: MW-3

Lab Sample ID: 885-22920-2

Date Collected: 04/03/25 10:00

Matrix: Water

Date Received: 04/09/25 07:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Filtration	Filtration			23939	NP	EET ALB	04/09/25 14:24
Dissolved	Analysis	200.7 Rev 4.4		1	24005	VP	EET ALB	04/10/25 10:28

Client Sample ID: MW-6

Lab Sample ID: 885-22920-3

Date Collected: 04/03/25 10:30

Matrix: Water

Date Received: 04/09/25 07:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Filtration	Filtration			23939	NP	EET ALB	04/09/25 14:24
Dissolved	Analysis	200.7 Rev 4.4		1	24005	VP	EET ALB	04/10/25 10:32

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: Hilcorp Energy
Project/Site: Farmington B-Com No 1E

Job ID: 885-22920-1

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New Mexico	State	NM9425, NM0901	02-27-26
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
200.7 Rev 4.4		Water	Manganese
Oregon	NELAP	NM100001	02-26-26

- 1
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Chain-of-Custody Record

Client: Hilcorp Farmington NM
 Mailing Address: 382 Road 3100 Aztec, NM 87410
 Billing Address: PO Box 61529 Houston, TX 77208
 Phone #: 505-486-9543
 email or Fax#: Brandon.Sinclair@hilcorp.com

Turn-Around Time:
 Standard Rush
 Project Name: Farmington B-Com No 1E
 Project #: _____

Project Manager: *Mitch Killough*
 Sampler: Brandon Sinclair
 On Ice: Yes No
 # of Coolers: *1*
 Cooler Temp (including CF): *22 to 22.4*
 HEAL No. *12610*

QA/QC Package:
 Standard Level 4 (Full Validation)
 Accreditation: Az Compliance NELAC Other
 EDD (Type) _____

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	Dissolved Mn	Dissolved Fe
		Water	MW-1	500 ml Plastic	Cool		X	X
4-3	1115	Water	MW-2	500 ml Plastic	Cool	-1	X	
	1000	Water	MW-3	500 ml Plastic	Cool	-2	X	
	1030	Water	MW-6	500 ml Plastic	Cool	-3	X	

Received by: *Chris W...* Date: *4/8/25* Time: *1546*
 Received by: *Chris W...* Date: *4/8/25* Time: *1800*

							Dissolved Mn	Dissolved Fe
Remarks: *Dissolved Mn and Fe are to be filtered and preserved in the lab. Special pricing, see Andy.								

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



Login Sample Receipt Checklist

Client: Hilcorp Energy

Job Number: 885-22920-1

Login Number: 22920
List Number: 1
Creator: Proctor, Nancy

List Source: Eurofins Albuquerque

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 562825

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 562825
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	Report accepted for record.	3/13/2026