



ENSOLUM

March 6, 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

Hampton #4M
San Juan County, New Mexico
Hilcorp Energy Company
NMOCD Incident Number: NAUTOFAB000251
NMOCD Administrative Order: 3R-069

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) to document groundwater monitoring activities conducted at the Hampton #4M natural gas production well (Site) during 2025. The Site is located approximately 0.25 miles south of Hampton Arroyo on federal land surface managed by the Bureau of Land Management (BLM) within Unit N, Section 13, Township 30 North, and Range 11 West, San Juan County, New Mexico (Figure 1).

SITE BACKGROUND

The Site production well was spudded by the Southland Royal Company (Southland) in 1983. Since then, the well has changed ownership from Southland to Burlington Resources (Burlington) in 1996, ConocoPhillips in 2006, and Hilcorp in 2017. In addition, the Public Service Company of New Mexico (PNM) operated a dehydration unit and unlined earthen pit at the Site between 1990 and 1996 (located on the north end of the well pad). Petroleum hydrocarbon impacted soil and groundwater were encountered during pit-closure activities performed in 1996. In response, PNM conducted a subsurface investigation and installed several wells in the northern portion of the well pad to assess soil and groundwater conditions. Further investigations performed in 1997 and 1998 revealed a separate source of petroleum hydrocarbon contamination at the southern end of the well pad (upgradient of the PNM pit), located near equipment owned by Burlington. The 1997 investigation also discovered a surface seep to the northwest of the well pad (downgradient of the well pad) that contained phase separated hydrocarbons (PSH).

Based on the investigations conducted at the Site, NMOCD issued Administrative Order Number R-11134-A to Burlington and PNM. Burlington was assigned responsibility for soil and groundwater impacts south/upgradient of the PNM dehydrator pit and PNM responsibility of impacts north/downgradient of the dehydrator pit. Several attempts to remediate the Site have been performed between 1997 and 2017 and include excavation, application of potassium permanganate within the excavations, manual PSH recovery (bailing/adsorbent socks), mobile dual-phase extraction, and PSH recovery using a skimmer pump. ConocoPhillips also installed a

solar-powered skimmer in 2016 to recover PSH from well MW-16; however, the system was removed in 2019 due to poor PSH recovery. Since the system removal, adsorbent socks have been placed into this well and replaced quarterly to address residual PSH.

Since 1997, several former wells at the Site have been plugged and abandoned, damaged, and/or removed during excavation activities. Based on the results and conclusions presented in WSP's *2020 Annual Groundwater Monitoring Report* (dated March 22, 2021), the NMOCD approved the plugging and abandonment of MW-1, MW-9, MW-11, TMW-1, and MW-15, which was completed on September 1, 2023.

Following review of the *2021 Annual Groundwater Monitoring Report* (received on May 14, 2024) the NMOCD approved transitioning to an annual groundwater monitoring schedule for the remaining wells which began in 2025.

Following review of the *2024 Annual Groundwater Monitoring Report*, the NMOCD determined MW-5 and MW-12 may be suspended from groundwater sampling, contingent upon receipt of the appropriate New Mexico Office of the State Engineer (NMOSE) plugging and abandonment permits. MW-12 was subsequently plugged and abandoned in May 2025 in accordance with this approval. MW-5 was also plugged; however, heavy equipment was unable to access the well to complete cutting and capping of the casing at the surface. Although the casing stickup and monument are still physically present, MW-5 has been removed from the monitoring program and remains suspended from groundwater sampling.

Ensolum has continued to manually bail and recover PSH from MW-16 when present, consistent with NMOCD conditions of approval. Well locations and Site features are shown on Figure 2.

SITE GROUNDWATER CLEANUP STANDARDS

The NMOCD requires groundwater-quality standards be met as presented by the New Mexico Water Quality Control Commission (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 constituents of concern (COCs) at the Site in milligrams per liter (mg/L).

- Benzene: 0.005 mg/L
- Toluene: 1.0 mg/L
- Ethylbenzene: 0.70 mg/L
- Total Xylenes: 0.62 mg/L

In addition, NMWQCC standards state light non-aqueous phase liquids (LNAPLs) or PSH, as referenced in this report, shall not be present floating on the groundwater table.

GROUNDWATER SAMPLING ACTIVITIES AND RESULTS

Groundwater monitoring at the Site was conducted in February 2025 and included annual gauging of all monitoring wells remaining onsite at the time, including MW-5, MW-12, and MW-16. Static groundwater levels were measured by recording depth to groundwater and the presence of PSH, where detected, using a Keck oil/water interface probe. The interface probe was decontaminated with Alconox[®] soap and rinsed with distilled water prior to each measurement to prevent cross-contamination. Groundwater samples were collected from MW-12 during the February 2025 monitoring event; however, insufficient water volume was present in MW-5 to obtain groundwater samples for laboratory analysis. MW-16 contained PSH and was therefore not sampled for dissolved phase constituents. Measured depths to groundwater, PSH thicknesses (where

present), and associated calculated groundwater elevations are presented in Table 1. Based on historical Site-wide depth-to-groundwater measurements, the inferred groundwater flow direction is to the north.

Following NMOCD review and approval of the *2024 Annual Groundwater Monitoring Report* on April 23, 2025, monitoring frequency was confirmed as annual, and MW-5 and MW-12 were approved for suspension from future monitoring and subsequent plugging and abandonment. All groundwater data previously collected from MW-5 and MW-12 are included in this report for completeness. Moving forward, only MW-16 will be monitored on an annual basis, including gauging for PSH and manual recovery where present. If no PSH is detected in MW-16, the well will be sampled for dissolved-phase BTEX constituents.

GROUNDWATER SAMPLING

Groundwater from MW-12 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, including temperature, pH, electrical conductivity, and total dissolved solids were collected during the sampling event and are presented in Table 2.

Following well purging, groundwater samples were placed 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. They were immediately sealed, packed on ice, and submitted to Eurofins Environmental Testing Laboratory (Eurofins) for analysis of benzene, toluene, ethylbenzene, and total xylenes (BTEX) by Environmental Protection Agency (EPA) Method 8260B. 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

Analytical results indicated BTEX constituents in well MW-12 were compliant with NMWQCC standards during the February 2025 sampling event. Well MW-16 was not sampled for groundwater analytical analysis during the February 2025 monitoring event due to the presence of PSH. A summary of the analytical results is provided in Table 3 and illustrated in Figure 3, with complete laboratory analytical reports included in Appendix A.

PHASE SEPARATED HYDROCARBON RECOVERY

A solar-powered skimmer was previously used to recover PSH from well MW-16 at the Site. The system was removed in 2019 due to poor recovery performance. Following removal, adsorbent socks have been deployed in MW-16 to manage residual PSH. During Site visits conducted in February and May 2025, MW-16 was monitored and residual PSH was observed in the well. Table 4 summarizes PSH recovery volumes documented during monitoring events conducted between 2019 and 2025.

CONCLUSIONS AND RECOMMENDATIONS

Groundwater monitoring data indicates petroleum hydrocarbon impacts at the Site are stable and attenuating. Dissolved-phase BTEX concentrations in MW-5 and MW-12 have remained compliant with NMWQCC groundwater standards since September 2021 and August 2019, respectively.

PSH have been present in MW-16 since 2011 and were observed during the 2025 monitoring event; however, recovery records show a substantial decline in recoverable product volumes in recent years. The limited and persistent presence of PSH in MW-16, combined with long-term compliance of dissolved-phase BTEX in surrounding wells, indicates the plume is stable and not expanding.

In accordance with NMOCD approvals, wells MW-1, MW-9, MW-11, MW-15, and TMW-1 were plugged and abandoned in 2023, and MW-12 was plugged and abandoned in 2025. MW-5 remains installed but is suspended from sampling pending final abandonment.

Annual monitoring will continue at MW-16, including gauging and manual recovery of PSH when present. If PSH is not observed during the monitoring event, groundwater sampling for dissolved-phase BTEX will be conducted. Monitoring will continue until PSH is no longer detected and dissolved-phase results demonstrate sustained compliance with NMWQCC standards, after which monitoring frequency will transition to quarterly sampling until eight consecutive compliant sampling events are achieved.

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:

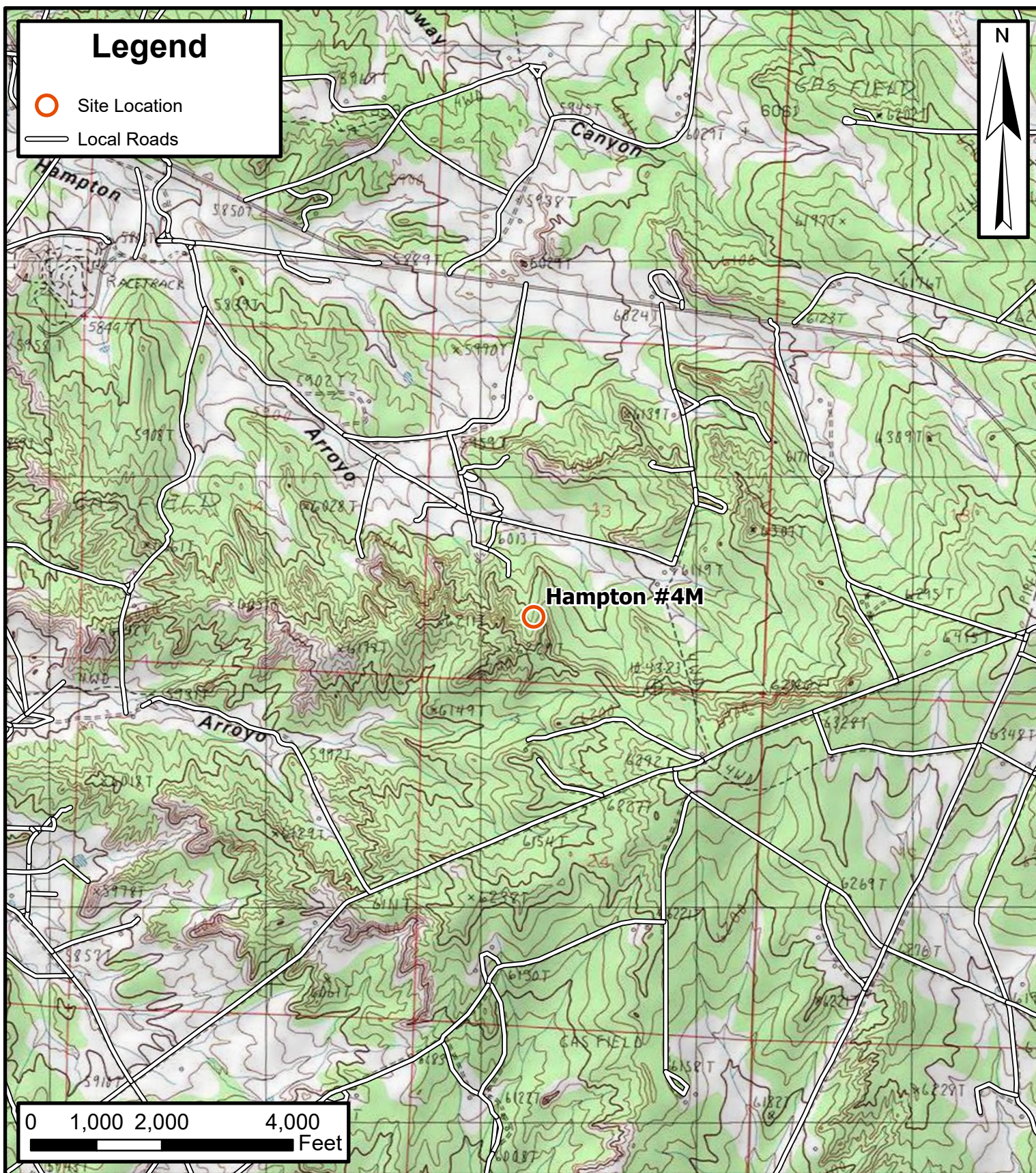
- Figure 1 Site Location Map
- Figure 2 Site Map
- Figure 3 Groundwater Analytical Results

- Table 1 Groundwater Elevations
- Table 2 Groundwater Quality Measurements
- Table 3 Groundwater Analytical Results
- Table 4 PSH Recovery

- Appendix A Laboratory Analytical Reports

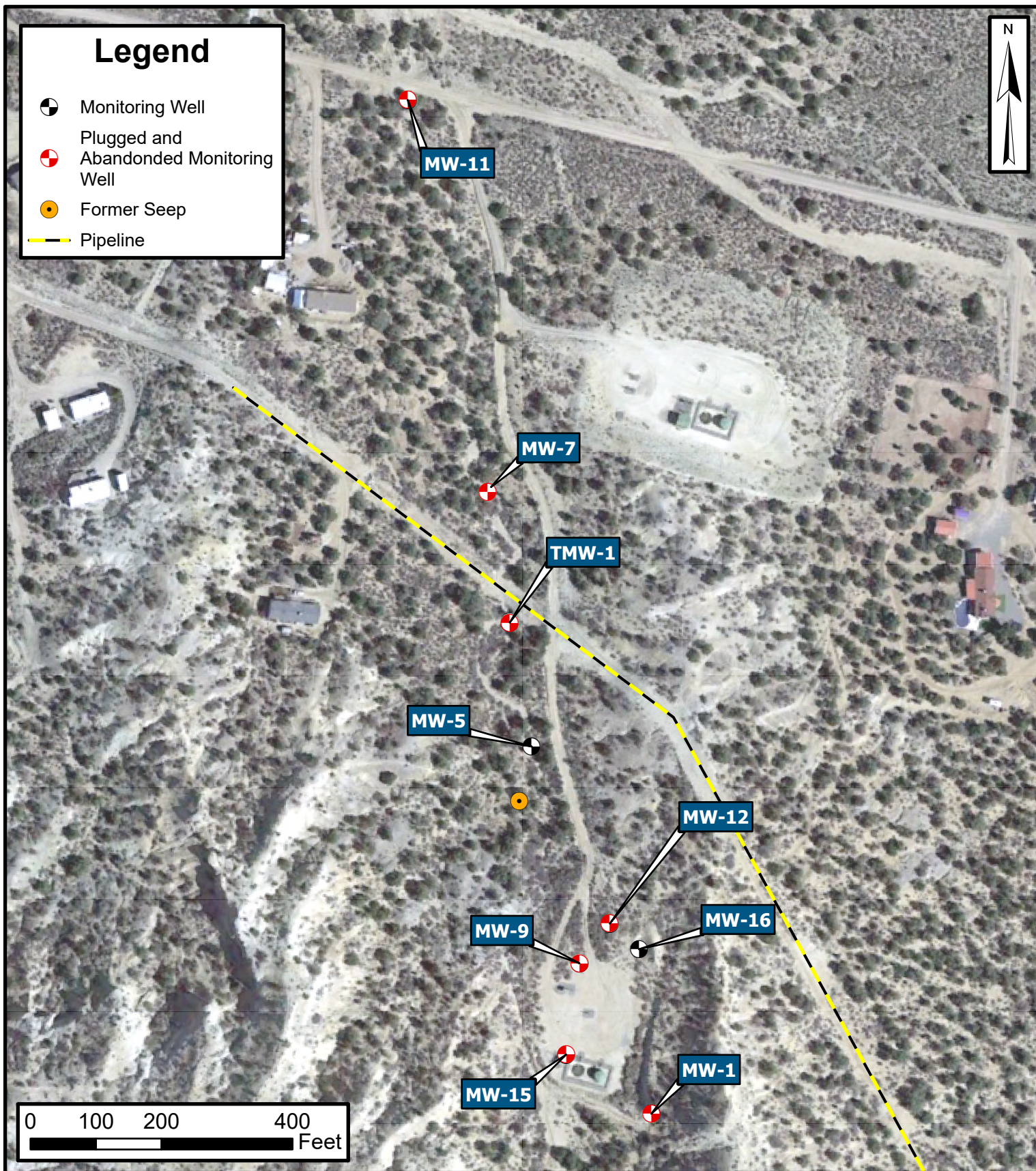


FIGURES



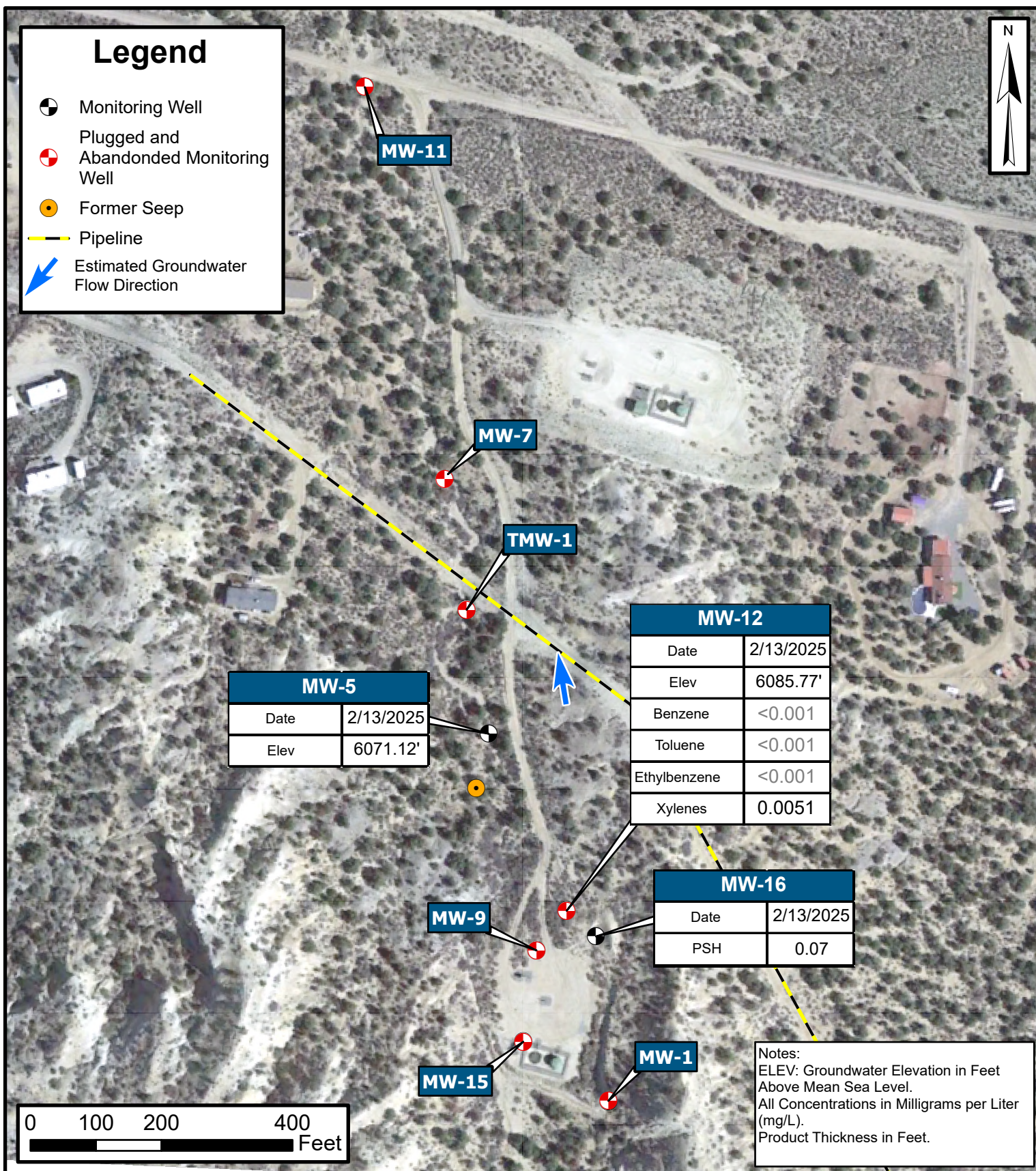
Site Location Map
Hampton #4M
Hilcorp Energy Company
36.80719, -107.94582
San Juan County, New Mexico

FIGURE
1



Site Map
Hampton #4M
Hilcorp Energy Company
36.80719, -107.94582
San Juan County, New Mexico

FIGURE
2



Groundwater Analytical Results - 2025

Hampton #4M
 Hilcorp Energy Company
 36.80719, -107.94582
 San Juan County, New Mexico

FIGURE
3



TABLES



TABLE 1 GROUNDWATER ELEVATIONS Hampton #4M Hilcorp Energy Company San Juan County, New Mexico						
Well Identification	Top of Casing Elevation (feet amsl)	Date	Depth to Product (feet BTOC)	Depth to Groundwater (feet BTOC)	Product Thickness (feet)	Groundwater Elevation (feet AMSL)
MW-1	6,149.42	11/8/2007	--	42.81	--	6,106.61
		1/17/2008	--	42.96	--	6,106.46
		3/19/2008	--	42.93	--	6,106.49
		7/22/2008	--	42.74	--	6,106.68
		10/23/2008	--	32.80	--	6,116.62
		1/21/2009	--	42.90	--	6,106.52
		9/24/2009	--	43.09	--	6,106.33
		9/28/2010	--	43.19	--	6,106.23
		10/11/2011	--	43.55	--	6,105.87
		9/25/2012	--	43.88	--	6,105.54
		9/18/2013	--	44.32	--	6,105.10
		3/24/2014	--	44.10	--	6,105.32
		9/24/2014	--	44.69	--	6,104.73
		9/23/2015	--	44.95	--	6,104.47
		9/15/2016	--	45.11	--	6,104.31
		10/26/2017	--	45.16	--	6,104.26
		9/6/2018	--	45.52	--	6,103.90
		8/8/2019	--	45.28	--	6,104.14
		8/4/2020	--	45.56	--	6,103.86
3/8/2022	--	45.42	--	6,104.00		
9/1/2023	Well Plugged and Abandoned					
MW-5	6,090.83	11/8/2007	--	16.52	--	6,074.31
		1/17/2008	--	15.65	--	6,075.18
		3/19/2008	--	13.64	--	6,077.19
		7/22/2008	--	15.72	--	6,075.11
		10/23/2008	--	16.53	--	6,074.30
		1/21/2009	--	16.04	--	6,074.79
		9/24/2009	--	16.89	--	6,073.94
		9/28/2010	--	16.55	--	6,074.28
		10/11/2011	--	17.39	--	6,073.44
		9/25/2012	--	17.46	--	6,073.37
		9/18/2013	--	16.78	--	6,074.05
		9/24/2014	--	17.50	--	6,073.33
		9/23/2015	--	17.17	--	6,073.66
		9/15/2016	--	17.24	--	6,073.59
		10/26/2017	--	17.69	--	6,073.14
		9/6/2018	--	18.12	--	6,072.71
		8/7/2019	--	16.87	--	6,073.96
		8/6/2020	--	17.62	--	6,073.21
		9/30/2021	--	18.51	--	6,072.32
		3/8/2022	--	19.72	--	6,071.11
		5/9/2022	--	16.86	--	6,073.97
8/10/2022	--	18.09	--	6,072.74		
11/30/2022	--	19.38	--	6,071.45		
3/17/2023	--	19.66	--	6,071.17		
6/15/2023	--	16.69	--	6,074.14		
8/2/2023	--	17.67	--	6,073.16		
11/14/2023	--	18.59	--	6,072.24		



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MW-5	6,090.83	2/1/2024	--	19.43	--	6,071.40
		5/17/2024	--	17.04	--	6,073.79
		8/16/2024	--	19.21	--	6,071.62
		11/14/2024	--	19.32	--	6,071.51
		2/13/2025	--	19.71	--	6,071.12
		5/29/2025	Removed from Sampling Program			
MW-7	6,066.91	11/8/2007	--	20.22	--	6,046.69
		1/17/2008	--	20.50	--	6,046.41
		3/19/2008	--	20.02	--	6,046.89
		7/22/2008	--	19.29	--	6,047.62
		10/23/2008	--	19.95	--	6,046.96
		1/21/2009	--	20.44	--	6,046.47
		9/24/2009	--	20.55	--	6,046.36
		9/28/2010	--	21.24	--	6,045.67
		10/11/2011	--	DRY	--	--
		9/25/2012	--	DRY	--	--
		9/18/2013	--	DRY	--	--
5/9/2014	Well Plugged and Abandoned					
MW-9	6,122.52	11/8/2007	--	22.91	--	6,099.61
		1/17/2008	--	22.76	--	6,099.76
		3/19/2008	--	22.38	--	6,100.14
		7/22/2008	--	23.10	--	6,099.42
		10/23/2008	--	23.02	--	6,099.50
		1/21/2009	--	22.85	--	6,099.67
		9/24/2009	--	23.64	--	6,098.88
		9/28/2010	--	23.70	--	6,098.82
		10/11/2011	--	24.03	--	6,098.49
		9/25/2012	--	24.61	--	6,097.91
		9/18/2013	--	24.61	--	6,097.91
		9/24/2014	--	25.18	--	6,097.34
		9/23/2015	--	25.32	--	6,097.20
		9/15/2016	--	25.82	--	6,096.70
		10/26/2017	--	25.35	--	6,097.17
		9/6/2018	--	26.00	--	6,096.52
		8/8/2019	--	25.56	--	6,096.96
8/4/2020	--	25.96	--	6,096.56		
3/8/2022	--	25.47	--	6,097.05		
9/1/2023	Well Plugged and Abandoned					
MW-11	6,015.75	11/8/2007	--	56.00	--	5,959.75
		1/17/2008	--	55.86	--	5,959.89
		3/19/2008	--	55.88	--	5,959.87
		7/22/2008	--	55.71	--	5,960.04
		10/23/2008	--	55.91	--	5,959.84
		1/21/2009	--	55.75	--	5,960.00
		9/24/2009	--	56.02	--	5,959.73
		9/28/2010	--	56.06	--	5,959.69
		10/11/2011	--	56.21	--	5,959.54
		9/25/2012	--	56.41	--	5,959.34



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MW-11	6,015.75	9/18/2013	--	56.73	--	5,959.02
		9/24/2014	--	56.91	--	5,958.84
		9/23/2015	--	57.20	--	5,958.55
		9/15/2016	--	58.37	--	5,957.38
		10/26/2017	--	57.42	--	5,958.33
		9/6/2018	--	57.84	--	5,957.91
		8/7/2019	--	57.86	--	5,957.89
		8/6/2020	--	58.04	--	5,957.71
		3/8/2022	--	58.42	--	5,957.33
		Well Plugged and Abandoned				
MW-12	6,109.02	11/8/2007	--	20.46	--	6,088.56
		1/17/2008	--	20.24	--	6,088.78
		3/19/2008	--	19.85	--	6,089.17
		7/22/2008	--	20.54	--	6,088.48
		10/23/2008	--	20.61	--	6,088.41
		1/21/2009	--	20.37	--	6,088.65
		9/24/2009	--	21.23	--	6,087.79
		9/28/2010	--	21.27	--	6,087.75
		10/11/2011	--	21.58	--	6,087.44
		9/25/2012	--	22.14	--	6,086.88
		9/18/2013	--	22.17	--	6,086.85
		3/24/2014	--	21.64	--	6,087.38
		9/24/2014	--	22.70	--	6,086.32
		9/23/2015	--	22.84	--	6,086.18
		9/15/2016	--	22.21	--	6,086.81
		10/26/2017	--	22.82	--	6,086.20
		9/6/2018	--	23.53	--	6,085.49
		8/8/2019	--	23.08	--	6,085.94
		8/4/2020	--	23.47	--	6,085.55
		9/30/2021	--	23.75	--	6,085.27
		3/8/2022	--	22.90	--	6,086.12
		5/9/2022	--	22.96	--	6,086.06
		8/10/2022	--	23.74	--	6,085.28
		11/30/2022	--	23.39	--	6,085.63
		3/17/2023	--	22.78	--	6,086.24
		6/15/2023	--	23.05	--	6,085.97
8/2/2023	--	20.66	--	6,088.36		
11/14/2023	--	23.64	--	6,085.38		
2/1/2024	--	23.13	--	6,085.89		
5/17/2024	--	23.06	--	6,085.96		
8/16/2024	--	23.92	--	6,085.10		
11/14/2024	--	23.57	--	6,085.45		
2/13/2025	--	23.25	--	6,085.77		
		Well Plugged and Abandoned				
MW-15	No Survey Data	11/8/2007	--	18.03	--	--
		1/17/2008	--	18.20	--	--
		3/19/2008	--	17.60	--	--
		7/22/2008	--	17.79	--	--



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MW-15	No Survey Data	10/23/2008	--	18.01	--	--
		1/21/2009	--	18.20	--	--
		9/24/2009	--	18.33	--	--
		9/28/2010	--	18.25	--	--
		10/11/2011	--	18.65	--	--
		9/25/2012	--	18.97	--	--
		9/18/2013	--	19.23	--	--
		9/24/2014	--	19.43	--	--
		9/23/2015	--	19.58	--	--
		9/15/2016	--	19.69	--	--
		10/26/2017	--	19.60	--	--
		9/6/2018	--	20.05	--	--
		8/8/2019	--	19.68	--	--
		8/4/2020	--	20.05	--	--
3/8/2022	--	19.98	--	--		
9/1/2023	Well Plugged and Abandoned					
MW-16	No Survey Data	11/8/2007	--	25.03	--	--
		1/17/2008	--	24.88	--	--
		3/19/2008	--	24.37	--	--
		7/22/2008	--	25.00	--	--
		10/23/2008	--	25.57	--	--
		1/21/2009	--	24.97	--	--
		9/24/2009	--	25.75	--	--
		9/28/2010	--	25.41	--	--
		10/11/2011	--	28.26	--	--
		9/25/2012	26.57	27.38	0.81	--
		9/18/2013	27.34	28.15	0.81	--
		3/24/2014	25.96	28.20	2.24	--
		9/24/2014	28.00	28.84	0.84	--
		9/23/2015	26.83	29.27	2.44	--
		9/15/2016*	33.25	33.34	0.09	--
		10/27/2016*	33.25	33.42	0.17	--
		6/14/2017	--	30.58	--	--
		10/26/2017	31.39	--	--	--
		9/6/2018	33.49	33.51	0.02	--
		8/8/2019	--	31.86	--	--
		8/5/2020	31.70	33.36	1.66	--
		9/30/2021	32.94	33.77	0.83	--
		3/8/2022	33.23	33.75	0.52	--
		5/9/2022	33.53	33.86	0.33	--
		8/10/2022	33.58	33.84	0.26	--
		11/30/2022	33.70	33.88	0.18	--
		3/17/2023	33.75	--	--	--
6/15/2023	33.57	33.78	0.21	--		
8/2/2023	33.67	33.87	0.20	--		
11/14/2023	33.70	--	--	--		
2/1/2024	33.80	33.81	0.01	--		
5/17/2024	33.73	33.84	0.12	--		



TABLE 1 GROUNDWATER ELEVATIONS Hampton #4M Hilcorp Energy Company San Juan County, New Mexico						
Well Identification	Top of Casing Elevation (feet amsl)	Date	Depth to Product (feet BTOC)	Depth to Groundwater (feet BTOC)	Product Thickness (feet)	Groundwater Elevation (feet AMSL)
MW-16	No Survey Data	8/16/2024	--	Dry	--	--
		11/14/2024	33.72	33.74	0.02	--
		2/13/2025	33.71	33.78	0.07	--
		5/29/2025	33.72	33.79	0.07	--
TMW-1	No Survey Data	11/8/2007	--	19.06	--	--
		1/17/2008	--	19.37	--	--
		3/19/2008	--	18.55	--	--
		7/22/2008	--	18.10	--	--
		10/23/2008	--	19.19	--	--
		1/21/2009	--	19.25	--	--
		9/24/2009	--	19.61	--	--
		9/28/2010	--	19.11	--	--
		10/11/2011	--	19.39	--	--
		9/25/2012	--	DRY	--	--
		9/18/2013	--	DRY	--	--
		9/24/2014	--	DRY	--	--
		9/23/2015	--	DRY	--	--
		10/26/2017	--	DRY	--	--
		9/6/2018	--	DRY	--	--
8/8/2019	--	DRY	--	--		
8/6/2020	--	DRY	--	--		
		9/1/2023	Well Plugged and Abandoned			

Notes:

- *: extension added to top of PVC casing resulting in greater depths to groundwater
- amsl: above mean sea level
- BTOC: below top of casing
- : indicates no GWEL or PSH measured
- Groundwater elevation is adjusted using a density correction factor of 0.8 when product is present



TABLE 2 GROUNDWATER QUALITY MEASUREMENTS Hampton #4M Hilcorp Energy Company San Juan County, New Mexico								
Well Identification	Date	Temperature (°C)	pH	TDS (g/L)	Conductivity (uS/cm)	DO (mg/L)	ORP (mV)	
MW-1	9/23/2015	12.65	5.20	2.10	3,226	2.75	-26.0	
	10/26/2017	13.26	4.37	--	2,522	2.29	204.8	
	9/6/2018	17.53	4.82	--	2,775	6.22	260.7	
	8/8/2019	20.20	4.66	1.53	3,020	--	73.5	
	8/4/2020	19.70	4.77	1.41	2,870	2.64	91.5	
MW-5	9/23/2015	15.63	5.85	2.85	4,377	3.10	-114.9	
	9/15/2016	--	--	--	--	--	--	
	9/6/2018	Sample volume insufficient to analyze field parameters						
	8/7/2019	21.30	4.42	2.41	4,900	--	142.6	
	8/6/2020	18.70	5.20	2.01	4,020	2.09	61.2	
	9/30/2021	No Parameters taken due to equipment malfunction						
	3/8/2022	7.80	3.78	--	3,570	--	--	
	5/9/2022	16.70	3.39	2.11	4,210	--	--	
	8/10/2022	18.30	3.48	1.73	3,460	--	--	
	11/30/2022	13.30	4.16	1.55	3,090	--	--	
	6/15/2023	19.01	4.61	--	1	6.99	-18.7	
	8/2/2023	44.76	4.62	3.67	5,638	2.85	253.6	
	11/14/2023	19.28	5.01	3.50	5,382	1.68	181.5	
	2/1/2024	17.21	5.22	3.25	4,997	2.44	237.6	
	5/17/2024	30.25	5.47	3.38	5,199	6.04	232.0	
8/16/2024	35.80	5.49	3.28	5,036	3.74	173.9		
11/14/2024	24.24	5.90	1.57	2,573	2.17	137.6		
2/13/2025	No parameters due to insufficient well volume							
MW-9	9/23/2015	14.50	5.19	2.48	3,819	2.15	-35.2	
	9/15/2016	13.67	4.97	2.51	3,856	1.64	111.6	
	10/26/2017	14.93	5.73	--	3,020	2.85	120.5	
	9/6/2018	16.56	6.16	--	3,191	1.96	94.4	
	8/8/2019	25.00	5.12	1.73	3,450	--	53.5	
	8/4/2020	20.20	4.90	1.65	3,240	1.12	65.1	
MW-11	9/23/2015	13.82	6.37	1.88	2,895	1.71	-88.6	
	9/15/2016	13.20	6.43	1.91	2,938	1.47	-73.2	
	10/26/2017	14.07	6.44	--	2,271	2.55	19.7	
	9/6/2018	18.46	6.70	--	2,372	0.93	9.3	
	8/7/2019	18.10	7.10	1.33	8,660	--	19.6	
	8/6/2020	18.80	5.54	1.25	2,490	1.83	27.9	
MW-12	9/23/2015	14.31	6.00	2.36	3,630	1.65	-44.0	
	9/15/2016	13.65	5.74	2.41	3,710	0.73	-148.7	
	10/26/2017	14.78	6.47	--	2,932	1.56	50.0	
	9/6/2018	16.56	6.45	--	3,148	5.85	16.5	
	8/8/2019	22.40	6.11	1.69	3,370	--	13.0	



TABLE 2 GROUNDWATER QUALITY MEASUREMENTS Hampton #4M Hilcorp Energy Company San Juan County, New Mexico							
Well Identification	Date	Temperature (°C)	pH	TDS (g/L)	Conductivity (uS/cm)	DO (mg/L)	ORP (mV)
MW-12	8/4/2020	22.10	5.42	1.59	3,190	1.13	17.2
	9/30/2021	No Parameters taken due to equipment malfunction					
	3/8/2022	13.30	5.57	--	2,660	--	--
	5/9/2022	17.70	6.21	1.32	2,640	--	--
	8/10/2022	18.50	6.15	1.24	2,510	--	--
	11/30/2022	10.90	6.31	1.22	2,440	--	--
	3/17/2023	10.70	6.87	1.24	2	--	--
	6/15/2023	14.59	7.06	--	2	7.94	-207.9
	8/2/2023	32.07	6.87	2.39	3,680	1.39	-22.1
	11/14/2023	17.45	7.13	2.53	3,898	1.98	211.9
	2/1/2024	16.03	7.40	2.27	3,492	2.31	27.0
	5/17/2024	27.17	7.48	2.55	3,927	8.66	-16.0
	8/16/2024	26.60	7.50	2.52	3,875	6.30	-6.1
11/24/2024	20.86	7.62	1.25	1,935	1.88	-21.2	
2/13/2025	19.30	8.16	0.00	0.07	1.61	-1.8	
MW-15	9/23/2015	15.05	3.84	2.28	3,502	3.59	5.9
	9/15/2016	14.10	3.88	2.33	3,591	3.17	307.9
	10/26/2017	15.76	4.15	--	2,954	3.62	339.0
	9/6/2018	17.80	4.49	--	3,006	3.10	305.7
	8/8/2019	22.40	3.95	1.62	3,240	--	145.5
	8/4/2020	21.80	3.51	1.52	3,030	2.51	147.5

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 Hampton #4M Hilcorp Energy Company San Juan County, New Mexico					
Well Identification	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylenes (total) (mg/L)
NMWQCC Standards		0.005	1.0	0.70	0.62
MW-1	10/30/1997	0.0024	0.0023	< 0.0002	0.0011
	1/12/1998	0.0043	0.0033	0.0002	0.001
	4/14/1998	0.001	0.0013	< 0.0005	< 0.0005
	7/11/1998	0.0013	0.001	< 0.0005	0.0037
	10/5/1998	< 0.001	< 0.001	< 0.001	< 0.003
	1/27/1999	0.0008	0.0009	< 0.0005	< 0.0015
	7/12/1999	0.0011	0.0005	< 0.0005	< 0.0005
	9/24/2003	0.0009 J	0.001	ND	0.0004 J
	12/15/2003	0.0011	0.0009 J	ND	ND
	3/15/2004	ND	ND	ND	ND
	6/21/2004	ND	ND	ND	ND
	9/29/2004	ND	ND	ND	ND
	12/31/2004	ND	0.0009 J	ND	0.0033 J
	3/22/2005	ND	0.0003 J	ND	ND
	10/24/2005	ND	ND	ND	ND
	12/12/2005	ND	0.0007 J	ND	0.0006 J
	3/20/2006	0.0011	0.0009 J	ND	0.0006 J
	6/21/2006	0.0003 J	0.0014	0.0004 J	0.0018 J
	10/18/2006	ND	0.0002	0.0002	0.0013
	12/12/2006	ND	0.0002	0.0002	0.0014
	3/26/2007	< 0.0003	0.0003 J	0.0002 J	0.0004 J
	6/26/2007	< 0.0003	< 0.0002	< 0.0002	< 0.0006
	11/8/2007	< 0.0005	< 0.0007	< 0.0008	< 0.0008
	1/15/2008	< 0.0005	< 0.0007	< 0.0008	< 0.0008
	3/19/2008	< 0.005	< 0.005	< 0.005	< 0.005
	7/22/2008	< 0.005	< 0.005	< 0.005	< 0.005
	10/23/2008	< 0.005	< 0.005	< 0.005	< 0.005
	1/21/2009	< 0.005	< 0.005	< 0.005	< 0.005
9/24/2009	< 0.001	< 0.001	< 0.001	< 0.001	
9/28/2010	< 0.001	< 0.001	< 0.001	< 0.001	
10/4/2011	< 0.001	< 0.001	< 0.001	< 0.003	
9/26/2012	< 0.001	< 0.001	< 0.001	< 0.003	
9/18/2013	< 0.001	< 0.001	< 0.001	< 0.003	
3/24/2014	< 0.001	< 0.001	< 0.001	< 0.003	



TABLE 3 GROUNDWATER ANALYTICAL RESULTS Hampton #4M Hilcorp Energy Company San Juan County, New Mexico					
Well Identification	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylenes (total) (mg/L)
NMWQCC Standards		0.005	1.0	0.70	0.62
MW-1	9/24/2014	< 0.001	< 0.001	< 0.001	< 0.003
	9/23/2015	< 0.001	< 0.001	< 0.001	< 0.003
	10/26/2017	--	--	--	--
	9/6/2017	< 0.001	< 0.001	< 0.001	< 0.003
	10/12/2018	--	--	--	--
	8/8/2019	< 0.001	< 0.001	< 0.001	< 0.003
	8/4/2020	< 0.001	< 0.001	< 0.001	< 0.003
9/1/2023	Well Plugged and Abandoned				
MW-5	10/29/1997	5.934	10.024	0.709	8.188
	1/12/1998	7.521	11.213	0.779	8.436
	4/14/1998	7.0	11	0.72	7.8
	7/11/1998	6.5	10	0.78	7.5
	10/5/1998	6.8	8.4	0.74	6.9
	11/9/1998	6.2	8.2	0.67	6.5
	1/27/1999	6.4	8.9	0.66	6.7
	5/5/1999	6.8	9.8	0.9	7.8
	5/26/1999	6.6	10	0.65	8.1
	7/12/1999	6.3	10	0.75	8.8
	8/17/1999	5.4	9.8	0.67	7.5
	8/17/1999	5.9	8.9	0.5	6.2
	10/21/1999	5.2	9.6	0.65	6.9
	1/27/2000	4.7	10	0.68	7.4
	6/13/2000	8.4	19	1.7	22
	3/29/2001	3.89	9.6	0.64	7.73
	6/26/2001	3.8	11	0.7	9
	9/18/2001	4.1	11	0.76	10
	12/18/2001	3.2	9.7	0.6	7.8
	3/22/2002	3.5	10	0.83	8.5
	6/28/2002	3.7	12	0.76	10
	9/23/2002	3.0	9.8	0.64	8.3
	12/31/2002	2.9	8.9	0.58	7.3
3/27/2003	1.22	4.87	0.487	6.01	
6/27/2003	2.04	8.55	0.64	8.05	
9/24/2003	2.11	9.09	0.7	9.2	



TABLE 3 GROUNDWATER ANALYTICAL RESULTS Hampton #4M Hilcorp Energy Company San Juan County, New Mexico					
Well Identification	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylenes (total) (mg/L)
NMWQCC Standards		0.005	1.0	0.70	0.62
MW-5	12/15/2003	2.15	9.24	0.72	8.81
	6/21/2004	1.61	8.74	0.64	8.22
	9/29/2004	1.71	7.25	0.67	8.09
	12/31/2004	1.82	9.15	0.73	9.03
	3/15/2005	1.37	8.1	0.66	8.71
	3/22/2005	0.42	1.42	0.11	1.16
	10/24/2005	1.07	6.66	0.61	7.62
	12/12/2005	0.90	5.93	0.52	6.28
	3/20/2006	0.82	6.27	0.51	6.04
	6/21/2006	0.93	6.11	0.58	6.69
	10/18/2006	0.69	5.14	0.5	5.87
	12/18/2006	0.64	5.09	0.5	5.61
	3/26/2007	0.66	6.47	0.53	5.45
	6/26/2007	0.74	8.07	0.64	7.32
	11/8/2007	0.41	4.8	0.39	5
	1/17/2008	0.44	6.4	0.51	6.1
	3/19/2008	0.37	2.9	0.24	2.57
	7/22/2008	0.34	6.1	0.55	6.4
	10/23/2008	0.27	6.2	0.44	6.3
	1/21/2009	0.25	3.8	0.51	5.2
	9/24/2009	0.19	4.3	0.47	5.1
	9/28/2010	0.13	2.4	0.6	5.2
	10/12/2011	0.0652	1.22	0.443	3.21
	10/12/2011	0.0796	1.22	0.488	3.46
	9/26/2012	0.0898	0.626	0.551	3.59
	9/18/2013	0.0359	0.154	0.227	1.32
	9/24/2014	0.0041	0.0052	0.0338	0.106
	9/23/2015	0.015	0.0072	0.154	0.138
9/15/2016	0.011	0.0153	0.166	0.0414	
10/26/2017	0.0074	0.0118	0.0563	0.0236	
9/6/2018	0.0059	0.0019	0.0346	0.0193	
10/12/2018	--	--	--	--	
8/7/2019	0.0025	0.0058	0.006	0.009	
8/6/2020	0.00537	0.0211	0.0104	0.0635	



TABLE 3 GROUNDWATER ANALYTICAL RESULTS Hampton #4M Hilcorp Energy Company San Juan County, New Mexico					
Well Identification	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylenes (total) (mg/L)
NMWQCC Standards		0.005	1.0	0.70	0.62
MW-5	9/30/2021	< 0.005	0.005	< 0.005	< 0.0075
	3/8/2022	Insufficient Water Volumes to Collect Sample			
	5/9/2022	<0.001	<0.001	<0.001	<0.0015
	8/10/2022	0.0020	0.0050	0.0019	0.0060
	11/30/2022	0.0038	0.0082	0.0062	0.0130
	3/17/2023	<0.002	0.0042	<0.002	0.0019
	6/25/2023	<0.001	0.002	<0.001	0.0069
	8/2/2023	0.0012	0.0031	<0.001	0.0039
	11/14/2023	0.0037	0.0086	0.0027	0.0095
	2/1/2024	0.0034	0.0090	0.0051	0.0130
	5/17/2024	<0.001	<0.001	<0.001	<0.0015
	8/16/2024	0.0010	0.0024	<0.001	0.0022
	11/14/2024	0.0010	0.0016	0.0029	0.0030
5/29/2025	Removed from Sampling Program				
MW-7	1/12/1998	0.78	0.246	0.258	3.942
	4/14/1998	0.82	0.34	0.19	2.45
	7/11/1998	0.95	0.44	0.2	3.02
	10/5/1998	1.6	0.93	0.18	1.53
	11/9/1998	1.8	1	0.16	1.24
	1/27/1999	2.1	1	0.16	1.05
	5/5/1999	0.21	0.0029	0.03	0.147
	5/26/1999	0.19	0.0074	0.032	0.15
	7/12/1999	0.13	0.0072	0.022	0.1013
	10/21/1999	0.26	0.011	0.015	0.089
	1/27/2000	0.67	0.58	0.054	0.68
	6/17/2000	0.42	1.1	0.075	1.4
	3/29/2001	0.83	0.15	0.32	1.79
	6/26/2001	0.54	0.33	0.25	1.41
	9/18/2001	0.87	0.56	0.32	2.02
	12/18/2001	0.40	0.03	0.16	0.885
	3/22/2002	0.18	ND	0.078	0.26
	6/28/2002	0.089	0.001	0.041	0.079
9/23/2002	0.08	0.003	0.031	0.01889	
12/31/2002	0.16	0.0022	0.074	0.0315	



TABLE 3 GROUNDWATER ANALYTICAL RESULTS Hampton #4M Hilcorp Energy Company San Juan County, New Mexico					
Well Identification	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylenes (total) (mg/L)
NMWQCC Standards		0.005	1.0	0.70	0.62
MW-7	3/27/2003	0.195	0.0004	0.0442	0.109
	6/27/2003	0.30	0.0014 J	0.117	0.4616
	9/24/2003	0.09	0.012	0.002	0.694
	3/15/2004	0.056	0.001 J	0.006	0.003
	6/21/2004	0.18	ND	0.055	0.058 J
	9/29/2004	0.163	0.0009 J	0.0545	0.0698
	12/15/2004	0.15	0.004 J	0.115	0.549
	12/31/2004	0.094	0.003 J	0.01	0.024 J
	3/22/2005	0.0208	ND	0.0024	0.0048
	10/24/2005	0.0652	0.0007 J	0.002	0.0027 J
	12/12/2005	0.0662	0.001 J	0.0087	0.0085 J
	3/20/2006	0.072	ND	0.0126	0.0169
	6/21/2006	0.0899	0.0106	0.0048	0.0145
	10/18/2006	0.0319	0.0004 J	0.0018	0.0041
	12/12/2006	0.0294	0.0015	0.0031	0.0057
	3/26/2007	0.0115	0.001	0.0006 J	0.0008 J
	6/26/2007	0.056	0.0004 J	0.0177	0.0013
	11/8/2007	0.044	< 0.0007	0.002	< 0.0008
	1/17/2008	0.017	< 0.0007	0.003	< 0.0008
	3/19/2008	0.005	< 0.005	< 0.005	< 0.005
	7/22/2008	0.032	< 0.005	0.012	0.007
	10/23/2008	0.017	< 0.005	< 0.005	< 0.005
	1/21/2009	< 0.005	< 0.005	< 0.005	< 0.005
	9/24/2009	0.0037	< 0.001	< 0.001	< 0.001
	9/28/2010	0.0013	< 0.001	0.0023	< 0.001
	10/11/2011	Insufficient Volume to Sample			
9/26/2012	Insufficient Volume to Sample				
9/18/2013	Insufficient Volume to Sample				
5/9/2014	Well Plugged and Abandoned				
MW-9	7/1/1998	0.012	< 0.001	< 0.001	< 0.003
	10/5/1998	0.0008	< 0.0005	< 0.0005	0.0022
	11/9/1998	0.073	< 0.0005	0.0022	0.0016
	1/27/1999	0.12	< 0.0005	0.0025	0.0018
	5/5/1999	0.12	< 0.0005	0.0016	0.0008



TABLE 3 GROUNDWATER ANALYTICAL RESULTS Hampton #4M Hilcorp Energy Company San Juan County, New Mexico					
Well Identification	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylenes (total) (mg/L)
NMWQCC Standards		0.005	1.0	0.70	0.62
MW-9	5/26/1999	0.14	< 0.0005	0.0015	< 0.0005
	5/26/1999	0.29	< 0.0005	0.0006	< 0.0015
	7/12/1999	0.32	< 0.0005	0.0006	< 0.0015
	8/17/1999	0.13	ND	ND	ND
	10/21/1999	< 0.0005	0.0019	< 0.0005	0.0025
	1/27/2000	< 0.0002	< 0.0002	< 0.0002	< 0.0002
	6/13/2000	< 0.0005	< 0.0005	< 0.0005	< 0.001
	3/29/2001	< 0.0005	< 0.0005	< 0.0005	< 0.001
	6/26/2001	< 0.0005	< 0.0005	< 0.0005	< 0.001
	9/18/2001	ND	ND	ND	ND
	12/18/2001	ND	ND	ND	ND
	3/22/2002	ND	ND	ND	ND
	6/28/2002	ND	ND	ND	ND
	9/23/2002	0.0004 J	ND	ND	ND
	3/27/2003	ND	ND	ND	ND
	6/27/2003	0.0005 J	ND	ND	ND
	9/24/2003	ND	ND	ND	ND
	12/15/2003	ND	ND	ND	ND
	3/15/2004	ND	ND	ND	ND
	6/21/2004	ND	0.0004 J	ND	0.0007 J
	9/29/2004	ND	ND	ND	ND
	3/22/2005	ND	ND	ND	ND
	6/23/2005	ND	0.0003 J	ND	ND
	3/20/2006	ND	ND	ND	ND
	6/21/2006	ND	ND	ND	ND
	10/18/2006	ND	ND	ND	0.0003 J
	12/12/2006	0.0003 J	0.0007 J	0.0003 J	0.0012 J
	3/26/2007	< 0.0003	< 0.0002	< 0.0002	< 0.0006
	6/26/2007	< 0.0003	< 0.0002	< 0.0002	< 0.0006
	11/8/2007	< 0.0005	< 0.0007	< 0.0008	< 0.0008
1/17/2008	< 0.0005	< 0.0007	< 0.0008	< 0.0008	
3/19/2008	< 0.005	< 0.005	< 0.005	< 0.005	
7/22/2008	< 0.005	< 0.005	< 0.005	< 0.005	
10/23/2008	< 0.005	< 0.005	< 0.005	< 0.005	



TABLE 3 GROUNDWATER ANALYTICAL RESULTS Hampton #4M Hilcorp Energy Company San Juan County, New Mexico					
Well Identification	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylenes (total) (mg/L)
NMWC Standards		0.005	1.0	0.70	0.62
MW-9	1/21/2009	< 0.005	< 0.005	< 0.005	< 0.005
	9/24/2009	< 0.001	< 0.001	< 0.001	< 0.001
	9/28/2010	< 0.001	< 0.001	< 0.001	< 0.001
	10/4/2011	< 0.001	< 0.001	< 0.001	< 0.003
	9/26/2012	< 0.001	< 0.001	< 0.001	< 0.003
	9/18/2013	< 0.001	< 0.001	< 0.001	< 0.003
	9/24/2014	< 0.001	< 0.001	< 0.001	< 0.003
	9/23/2015	< 0.001	< 0.001	< 0.001	< 0.003
	9/15/2016	< 0.001	< 0.001	< 0.001	< 0.003
	10/26/2017	< 0.001	< 0.001	< 0.001	< 0.003
	9/6/2018	< 0.001	< 0.001	< 0.001	< 0.003
	10/12/2018	--	--	--	--
	8/8/2019	< 0.001	< 0.001	< 0.001	< 0.003
	8/4/2020	< 0.001	< 0.001	< 0.001	< 0.003
9/1/2023	Well Plugged and Abandoned				
MW-11	1/27/1999	< 0.0005	0.0025	0.0007	0.0131
	5/5/1999	< 0.0005	< 0.0005	< 0.0005	< 0.0015
	5/26/1999	0.0008	0.0017	< 0.0005	0.0011
	10/21/1999	< 0.0005	< 0.0005	< 0.0005	< 0.0015
	1/27/2000	< 0.0005	< 0.0005	< 0.0005	< 0.0005
	6/13/2000	< 0.0005	< 0.0005	< 0.0005	0.0009
	3/29/2001	< 0.0002	< 0.0002	< 0.0002	< 0.0002
	6/26/2001	< 0.0005	< 0.0005	< 0.0005	< 0.001
	9/18/2001	< 0.0005	< 0.0005	< 0.0005	< 0.001
	12/18/2001	< 0.0005	< 0.0005	< 0.0005	< 0.001
	12/19/2001	ND	ND	ND	ND
	12/20/2001	ND	ND	ND	ND
	12/21/2001	ND	ND	ND	ND
	12/22/2001	ND	ND	ND	ND
	5/24/2003	ND	ND	ND	ND
	6/27/2003	0.0004 J	0.0003 J	ND	0.0004 J
	9/24/2003	ND	ND	ND	ND
12/15/2003	0.0005 J	ND	ND	ND	
3/15/2004	ND	ND	ND	ND	



TABLE 3 GROUNDWATER ANALYTICAL RESULTS Hampton #4M Hilcorp Energy Company San Juan County, New Mexico					
Well Identification	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylenes (total) (mg/L)
NMWQCC Standards		0.005	1.0	0.70	0.62
MW-11	6/21/2004	ND	ND	ND	0.0005 J
	9/29/2004	ND	ND	ND	ND
	12/31/2004	ND	ND	ND	ND
	3/22/2005	ND	ND	ND	ND
	10/24/2005	ND	ND	ND	ND
	12/12/2005	ND	0.0003 J	ND	ND
	3/20/2006	ND	ND	ND	ND
	6/21/2006	ND	0.0003 J	ND	0.0008 J
	10/18/2006	ND	0.0003 J	0.0004 J	0.0012 J
	12/12/2006	ND	ND	ND	0.0003 J
	3/26/2007	< 0.0003	< 0.0002	< 0.0002	< 0.0006
	6/26/2007	< 0.0003	< 0.0002	< 0.0002	< 0.0006
	11/8/2007	< 0.0005	< 0.0007	< 0.0008	< 0.0008
	1/17/2008	< 0.0005	< 0.0007	< 0.0008	< 0.0008
	3/19/2008	< 0.005	< 0.005	< 0.005	< 0.005
	7/22/2008	< 0.005	< 0.005	< 0.005	< 0.005
	10/23/2008	< 0.005	< 0.005	< 0.005	< 0.005
	1/21/2009	< 0.005	< 0.005	< 0.005	< 0.005
	9/24/2009	< 0.001	< 0.001	< 0.001	< 0.001
	9/28/2010	< 0.001	< 0.001	< 0.001	< 0.001
	10/11/2011	< 0.001	< 0.001	< 0.001	< 0.003
	9/26/2012	< 0.001	< 0.001	< 0.001	< 0.003
	9/18/2013	< 0.001	< 0.001	< 0.001	< 0.003
	9/24/2014	< 0.001	< 0.001	< 0.001	< 0.003
	9/23/2015	< 0.001	< 0.001	< 0.001	< 0.003
	9/15/2016	< 0.001	< 0.001	< 0.001	< 0.003
	10/26/2017	--	--	--	--
9/6/2018	< 0.001	< 0.001	< 0.001	< 0.003	
10/12/2018	--	--	--	--	
8/7/2019	< 0.001	< 0.001	< 0.001	< 0.003	
8/6/2020	< 0.001	< 0.001	< 0.001	< 0.003	
9/1/2023	Well Plugged and Abandoned				
MW-12	5/5/1999	0.79	0.84	0.26	2.88
	5/5/1999	1.2	13	0.51	0.68



TABLE 3 GROUNDWATER ANALYTICAL RESULTS Hampton #4M Hilcorp Energy Company San Juan County, New Mexico					
Well Identification	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylenes (total) (mg/L)
NMWQCC Standards		0.005	1.0	0.70	0.62
MW-12	5/26/1999	1.9	0.82	0.2	1.72
	5/26/1999	1.8	0.64	0.16	1.6
	7/12/1999	4.5	0.76	0.4	3.1
	7/12/1999	4.6	0.73	0.39	3.08
	8/17/1999	4.8	5	0.32	3.39
	8/17/1999	5.9	6.1	0.39	4.1
	10/21/1999	5.6	0.65	0.54	2.89
	1/27/2000	4.1	0.55	0.43	2.379
	6/13/2000	5	1.3	0.49	2.7
	3/29/2001	5.17	1.79	0.366	2.62
	6/26/2001	4.8	1.9	0.39	2.56
	9/18/2001	5.1	2.4	0.43	2.82
	12/18/2001	4	1.5	0.32	1.88
	3/22/2002	3.3	0.93	0.29	1.27
	6/28/2002	4.2	1.8	0.41	1.94
	9/23/2002	3.8	1.5	0.31	1.51
	12/31/2002	3.6	0.84	0.28	1.01
	5/24/2003	3.99	2.23	0.299	1.47
	6/27/2003	5.29	2.75	0.36	1.6
	9/24/2003	4.6	1.69	0.29	1.15
	12/15/2003	4.2	1.36	0.24	1.15
	3/15/2004	2.09	1.12	0.3	1.25
	6/21/2004	3.87	1.82	0.28	1.5
	6/29/2004	5.14	2.22	0.24	1.28
	12/31/2004	4.16	1.22	0.25	1.15
	3/22/2005	2.38	1.1	0.13	0.71
	10/24/2005	1.35	0.15	0.08	0.33
	12/16/2005	2.38	0.422	0.111	0.341
	3/20/2006	2.1	0.21	0.071	0.225
	6/21/2006	2.27	0.385	0.085	0.355
10/18/2006	1.74	0.477	0.112	0.399	
12/12/2006	2.4	1.11	0.142	0.668	
3/26/2007	4.13	1.68	0.34	1.18	
6/26/2007	1.52	0.432	0.118	0.34	



TABLE 3 GROUNDWATER ANALYTICAL RESULTS Hampton #4M Hilcorp Energy Company San Juan County, New Mexico					
Well Identification	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylenes (total) (mg/L)
NMWQCC Standards		0.005	1.0	0.70	0.62
MW-12	11/8/2007	0.78	0.31	0.043	0.17
	1/17/2008	2	1.4	0.18	0.79
	3/19/2008	1.6	0.56	0.16	0.53
	7/22/2008	0.73	0.022	0.014	0.021
	10/23/2008	0.5	0.03	0.022	0.04
	1/21/2009	1.1	0.43	0.11	0.41
	9/24/2009	0.61	0.0083	0.01	0.0195
	9/28/2010	0.55	< 0.001	0.015	0.016
	10/4/2011	0.494	< 0.01	0.0235	< 0.03
	9/26/2012	0.617	<0.001	0.015	0.0207
	9/18/2013	0.202	<0.005	<0.005	<0.015
	9/18/2013	0.21	<0.005	<0.005	<0.015
	3/24/2014	0.0559	0.0067	<0.005	<0.015
	3/24/2014	0.0508	0.0056	<0.005	<0.015
	9/24/2014	0.83	0.0013	0.011	0.0171
	9/24/2014	0.882	0.0015	0.0121	0.0179
	9/23/2015	0.246	< 0.001	< 0.001	< 0.003
	9/23/2015	0.258	< 0.001	< 0.001	< 0.003
	9/15/2016	0.0568	< 0.0005	< 0.0005	< 0.015
	10/26/2017	0.0379	<0.002	<0.002	<0.006
	10/26/2017	0.0447	<0.001	<0.001	<0.003
	9/6/2018	0.0022	<0.001	<0.001	<0.003
	10/12/2018	--	--	--	--
	8/8/2019	0.0708	<0.0200	<0.0200	<0.0600
	8/4/2020	0.00434	<0.0010	<0.0010	<0.003
	9/30/2021	<0.005	< 0.005	< 0.005	< 0.0075
	3/8/2022	<0.005	< 0.005	< 0.005	< 0.0075
	5/9/2022	<0.001	0.0024	<0.001	0.0073
8/10/2022	<0.002	<0.002	<0.002	<0.003	
11/30/2022	<0.001	0.0011	<0.001	0.0043	
3/17/2023	<0.002	0.004	<0.002	0.0023	
6/15/2023	0.0038	<0.001	<0.001	<0.002	
8/2/2023	0.0012	0.0031	<0.001	0.0039	
11/14/2023	0.0100	<0.002	<0.002	<0.003	



TABLE 3 GROUNDWATER ANALYTICAL RESULTS Hampton #4M Hilcorp Energy Company San Juan County, New Mexico					
Well Identification	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylenes (total) (mg/L)
NMWQCC Standards		0.005	1.0	0.70	0.62
MW-12	2/1/2024	<0.001	<0.001	<0.001	<0.0015
	5/17/2024	<0.002	<0.002	<0.002	<0.003
	8/16/2024	<0.001	<0.001	<0.001	<0.0015
	11/14/2024	<0.001	<0.001	<0.001	0.0017
	2/13/2025	<0.001	<0.001	<0.001	0.0051
	5/29/2025	Well Plugged and Abandoned			
MW-15	10/21/1999	< 0.0005	0.0012	< 0.0005	0.0015
	1/27/2000	< 0.0005	< 0.0005	< 0.0005	< 0.0005
	6/13/2000	< 0.0005	< 0.0005	< 0.0005	< 0.0005
	3/29/2001	< 0.0002	< 0.0002	< 0.0002	< 0.0002
	6/26/2001	< 0.0005	< 0.0005	< 0.0005	< 0.0005
	9/18/2001	< 0.0005	< 0.0005	< 0.0005	< 0.0005
	12/18/2001	< 0.0005	< 0.0005	< 0.0005	< 0.0005
	3/22/2002	ND	ND	ND	ND
	6/28/2002	ND	ND	ND	ND
	9/23/2002	ND	ND	ND	ND
	12/31/2002	ND	ND	ND	ND
	3/27/2003	ND	0.0003 J	ND	0.0009 J
	6/27/2003	0.0004 J	ND	ND	ND
	9/24/2003	ND	ND	ND	ND
	3/15/2004	ND	0.0003 J	ND	ND
	6/21/2004	ND	ND	ND	ND
	9/29/2004	ND	ND	ND	ND
	12/15/2004	0.0007 J	ND	ND	ND
	12/31/2004	ND	0.0009 J	0.0003 J	0.0014 J
	3/22/2005	ND	ND	ND	ND
	10/24/2005	ND	ND	ND	ND
	12/12/2005	ND	0.0003 J	ND	0.0004 J
	3/20/2006	ND	ND	ND	ND
	6/21/2006	0.0007 J	ND	0.0003 J	ND
	10/18/2006	ND	0.0003 J	ND	0.0002 J
	12/12/2006	ND	ND	ND	ND
3/26/2007	< 0.0003	< 0.0002	< 0.0002	< 0.0006	
6/26/2007	< 0.0003	0.0005 J	< 0.0002	< 0.0006	



TABLE 3 GROUNDWATER ANALYTICAL RESULTS Hampton #4M Hilcorp Energy Company San Juan County, New Mexico					
Well Identification	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylenes (total) (mg/L)
NMWQCC Standards		0.005	1.0	0.70	0.62
MW-15	11/8/2007	< 0.0005	< 0.0007	< 0.0008	< 0.0008
	1/17/2008	< 0.0005	< 0.0007	< 0.0008	< 0.0008
	3/19/2008	< 0.005	< 0.005	< 0.005	< 0.005
	7/22/2008	< 0.005	< 0.005	< 0.005	< 0.005
	10/23/2008	< 0.005	< 0.005	< 0.005	< 0.005
	1/21/2009	< 0.005	< 0.005	< 0.005	< 0.005
	9/24/2009	< 0.001	< 0.001	< 0.001	< 0.001
	9/28/2010	< 0.001	< 0.001	< 0.001	< 0.001
	10/4/2011	< 0.001	< 0.001	< 0.001	< 0.003
	9/26/2012	< 0.001	< 0.001	< 0.001	< 0.003
	9/18/2013	< 0.001	< 0.001	< 0.001	< 0.003
	9/24/2014	< 0.001	< 0.001	< 0.001	< 0.003
	9/23/2015	< 0.001	< 0.001	< 0.001	< 0.003
	9/15/2016	< 0.001	< 0.001	< 0.001	< 0.003
	10/26/2017	--	--	--	--
	9/6/2018	< 0.001	< 0.001	< 0.001	< 0.003
	10/12/2018	--	--	--	--
	8/8/2019	< 0.001	< 0.001	< 0.001	< 0.003
	8/4/2020	< 0.001	< 0.001	< 0.001	< 0.003
9/1/2023	Well Plugged and Abandoned				
MW-16	10/21/1999	0.22	0.3	0.0054	0.142
	10/21/1999	0.214	0.268	0.004	0.151
	1/27/2000	1.6	0.17	0.056	0.225
	6/13/2000	8.7	0.43	0.68	2.2
	6/26/2001	9.3	1.1	0.81	3.41
	9/18/2001	11	6.4	0.59	6.4
	12/18/2001	9.9	6.9	0.57	7.4
	6/28/2002	11	7	0.77	5.7
	9/23/2002	8.9	9.9	0.61	8.5
	12/31/2002	8.8	7.9	0.77	7.4
	3/22/2003	10	6.6	1.1	7.4
	3/27/2003	10.4	11.2	0.84	8.67
	9/24/2003	10.3	15.4	0.87	10.59
3/15/2004	9.2	16	1.31	12	



TABLE 3 GROUNDWATER ANALYTICAL RESULTS Hampton #4M Hilcorp Energy Company San Juan County, New Mexico						
Well Identification	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylenes (total) (mg/L)	
NMWQCC Standards		0.005	1.0	0.70	0.62	
MW-16	6/21/2004	8.04	18.1	2.45	18.58	
	9/29/2004	8.33	14	0.76	8.23	
	12/15/2004	9.64	12.6	0.72	1.55	
	12/31/2004	8.34	17.1	1.55	18.83	
	3/28/2005	4.14	5.81	0.76	10.48	
	10/24/2005	6.28	9.8	0.67	6.91	
	12/12/2005	6.94	11.5	0.75	8.06	
	3/20/2006	6.82	11.5	0.83	8.55	
	6/21/2006	6.64	11.2	0.69	7.57	
	10/18/2006	5.7	10.2	0.62	6.52	
	12/12/2006	4.6	10	0.55	6.83	
	3/26/2007	2.97	2.82	0.26	5.22	
	6/26/2007	5.23	9.11	0.77	7.76	
	11/8/2007	5.5	12	0.57	6.2	
	1/17/2008	4.6	9.1	0.55	5.6	
	3/19/2008	5.5	9.6	0.51	6.9	
	7/22/2008	3.6	6.1	0.43	4.5	
	10/23/2008	4.7	9.1	0.48	6.6	
	1/21/2009	4.2	7.5	0.48 J	6.9	
	9/24/2009	3.2	4.6	0.34	3.5	
	9/29/2010	3.0	4.6	3.4	23.6	
	12/15/2010	5.2	13	1.1	14.5	
	10/11/2011	No sample collected due to presence of PSH				
	9/26/2012	No sample collected due to presence of PSH				
	9/18/2013	No sample collected due to presence of PSH				
	9/24/2014	No sample collected due to presence of PSH				
	9/23/2015	No sample collected due to presence of PSH				
9/15/2016	No sample collected due to presence of PSH					
10/26/2017	No sample collected due to presence of PSH					
9/6/2018	No sample collected due to presence of PSH					
8/8/2019	Insufficient Volume to Sample					
8/4/2020	No sample collected due to presence of PSH					
9/30/2021	No sample collected due to presence of PSH					
3/8/2022	No sample collected due to presence of PSH					



TABLE 3 GROUNDWATER ANALYTICAL RESULTS Hampton #4M Hilcorp Energy Company San Juan County, New Mexico					
Well Identification	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylenes (total) (mg/L)
NMWQCC Standards		0.005	1.0	0.70	0.62
MW-16	5/9/2022	No sample collected due to presence of PSH			
	8/10/2022	No sample collected due to presence of PSH			
	11/30/2022	No sample collected due to presence of PSH			
	3/17/2023	Insufficient Volume to Sample			
	6/15/2023	No sample collected due to presence of PSH			
	8/2/2023	No sample collected due to presence of PSH			
	11/14/2023	No sample collected due to presence of PSH			
	2/1/2024	No sample collected due to presence of PSH			
	5/17/2024	No sample collected due to presence of PSH			
	8/16/2024	Insufficient Volume to Sample			
	11/14/2024	No sample collected due to presence of PSH			
2/13/2025	No sample collected due to presence of PSH				
Seep	7/1/1998	0.0016	0.0007	0.0006	0.00036
	4/14/1999	0.04	0.0022	0.0021	0.019
	10/21/1999	0.065	0.23	0.011	0.434
	3/29/2001	0.0116	< 0.0002	0.0007 J	0.0254
	6/26/2001	< 0.0005	< 0.0005	< 0.0005	< 0.001
	9/18/2001	< 0.0005	< 0.0005	< 0.0005	< 0.001
	12/18/2001	< 0.0005	< 0.0005	< 0.0005	< 0.001
	3/22/2002	0.0059	ND	0.0008	0.0034
	6/28/2002	ND	ND	ND	ND
	9/23/2002	ND	ND	ND	ND
	12/31/2002	0.0007	ND	ND	ND
	3/27/2003	0.0063	0.0002 J	0.0018	0.0101
	9/24/2003	ND	0.0003 J	ND	ND
	12/15/2003	0.0004 J	0.0003 J	ND	ND
	3/15/2004	ND	ND	ND	ND
	6/21/2004	ND	ND	ND	ND
	9/29/2004	ND	ND	ND	ND
	12/31/2004	ND	0.0002 J	ND	0.0004 J
	3/28/2005	ND	ND	ND	ND
	10/24/2005	ND	J	ND	ND
12/12/2005	ND	0.0005 J	0.0003 J	0.0009 J	



TABLE 3 GROUNDWATER ANALYTICAL RESULTS Hampton #4M Hilcorp Energy Company San Juan County, New Mexico					
Well Identification	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylenes (total) (mg/L)
NMWQCC Standards		0.005	1.0	0.70	0.62
Seep	3/20/2006	ND	ND	ND	ND
	6/21/2006	0.004	0.0129	0.0008 J	0.015
	10/18/2006	ND	0.0005 J	0.0003 J	0.0014 J
	12/12/2006	ND	ND	ND	ND
	3/26/2007	< 0.0003	0.0003 J	< 0.0002	< 0.0006
	6/26/2007	< 0.0003	< 0.0002	< 0.0002	< 0.0006
	11/8/2007	< 0.0005	< 0.0007	< 0.0008	< 0.0008
	3/19/2008	< 0.005	< 0.005	< 0.005	< 0.005
	10/23/2008	< 0.005	< 0.005	< 0.005	< 0.005
	1/21/2009	< 0.005	< 0.005	< 0.005	< 0.005
	9/24/2009	< 0.001	< 0.001	< 0.001	< 0.001
	9/28/2010	< 0.001	< 0.001	< 0.001	< 0.001
	10/11/2011				
	9/26/2012				
	9/18/2013				
9/24/2014					
9/23/2015					
TMW-1	1/27/2000	0.93	1.4	0.35	6.7
	6/13/2000	2.4	3.4	0.55	9.1
	6/26/2001	1.1	3.5	0.33	5.5
	5/23/2003	0.83	0.123	0.107	1.0
	6/27/2003	0.474	0.0366	0.0596	0.491
	9/24/2003	0.292	0.139	0.017	0.221
	12/15/2003	0.0559	0.0013	0.0039	0.0425
	6/21/2004	0.0406	ND	0.0141	0.0147
	9/29/2004	0.41	0.0087	0.0596	0.459
	12/31/2004	0.003 J	0.005 J	0.001 J	0.011 J
	3/22/2005	0.0678	0.0133	0.0081	0.102
	10/24/2005	0.483	0.705	0.045	0.328
	12/12/2005	0.122	0.317	0.019	0.16
	3/20/2006	0.071	0.082	0.016	0.151
	6/21/2006	0.159	0.0657	0.0569	0.36
	10/18/2006	0.0064	0.0016	0.0021	0.0138
6/26/2007	0.269	0.0026	0.0049	0.0157	



TABLE 3 GROUNDWATER ANALYTICAL RESULTS Hampton #4M Hilcorp Energy Company San Juan County, New Mexico					
Well Identification	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylenes (total) (mg/L)
NMWQCC Standards		0.005	1.0	0.70	0.62
TMW-1	11/8/2007	0.3	0.012	0.006	0.038
	1/17/2008	0.0008	< 0.0007	< 0.0008	0.001
	3/19/2008	< 0.005	< 0.005	< 0.005	< 0.005
	7/22/2008	0.13	0.029	0.011	0.022
	1/21/2009	0.013	< 0.005	< 0.005	< 0.005
	9/28/2010	0.013	< 0.001	< 0.001	0.0032
	10/11/2011				
	9/26/2012				
	9/18/2013				
	9/24/2014				
	9/23/2015				
	9/15/2016				
	10/26/2017				
	9/6/2018				
	8/8/2019				
8/4/2020					

Notes:

mg/L: milligrams per liter

J: The target analyte was positively identified below the quantitation limit and above the detection limit.

ND: not detected, practical quantitation limit unknown

PSH: Phase Separated Hydrocarbons

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



TABLE 4 PSH RECOVERY Hampton #4M Hilcorp Energy Company San Juan County, New Mexico		
Well Identification	Date	Product Removed (ounces)
MW-16	1/22/2019	6
	2/15/2019	10
	4/5/2019	28
	8/8/2019	32
	11/7/2019	24
	3/27/2020	16
	5/29/2020	26
	8/5/2020	176
	10/9/2020	12
	9/30/2021	12
	3/8/2022	32
	5/9/2022	1
	8/10/2022	1
	11/30/2022	4
	3/17/2023	5
	6/15/2023	64
	8/2/2023	8
	11/14/2023	0
	2/1/2024	0
	5/17/2024	0
8/16/2024	0	
11/14/2024	3	
2/13/2025	0	
5/29/2025	0	

Notes:

PSH removed using an adsorbent sock and/or disposable bailer



APPENDIX A

Laboratory Analytical Reports



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Kate Kaufman
Hilcorp Energy
PO BOX 4700
Farmington, New Mexico 87499
Generated 2/25/2025 4:58:51 PM

JOB DESCRIPTION

Hampton 4M

JOB NUMBER

885-20016-1

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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2/25/2025 4:58:51 PM

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

Client: Hilcorp Energy
Project/Site: Hampton 4M

Laboratory Job ID: 885-20016-1

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Definitions/Glossary

Client: Hilcorp Energy
Project/Site: Hampton 4M

Job ID: 885-20016-1

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: Hampton 4M

Job ID: 885-20016-1

Job ID: 885-20016-1

Eurofins Albuquerque

Job Narrative 885-20016-1

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 sample was received on 2/15/2025 6:15 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.3°C.

GC/MS VOA

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: Hampton 4M

Job ID: 885-20016-1

Client Sample ID: MW-12

Lab Sample ID: 885-20016-1

Date Collected: 02/13/25 15:00

Matrix: Water

Date Received: 02/15/25 06:15

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	ug/L			02/25/25 00:23	1
Ethylbenzene	ND		1.0	ug/L			02/25/25 00:23	1
Toluene	ND		1.0	ug/L			02/25/25 00:23	1
Xylenes, Total	5.1		1.5	ug/L			02/25/25 00:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		70 - 130		02/25/25 00:23	1
4-Bromofluorobenzene (Surr)	98		70 - 130		02/25/25 00:23	1
Dibromofluoromethane (Surr)	100		70 - 130		02/25/25 00:23	1
Toluene-d8 (Surr)	111		70 - 130		02/25/25 00:23	1

QC Sample Results

Client: Hilcorp Energy
 Project/Site: Hampton 4M

Job ID: 885-20016-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 885-21322/4
 Matrix: Water
 Analysis Batch: 21322

Client Sample ID: Method Blank
 Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	ug/L			02/24/25 13:54	1
Ethylbenzene	ND		1.0	ug/L			02/24/25 13:54	1
Toluene	ND		1.0	ug/L			02/24/25 13:54	1
Xylenes, Total	ND		1.5	ug/L			02/24/25 13:54	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		70 - 130		02/24/25 13:54	1
4-Bromofluorobenzene (Surr)	96		70 - 130		02/24/25 13:54	1
Dibromofluoromethane (Surr)	96		70 - 130		02/24/25 13:54	1
Toluene-d8 (Surr)	113		70 - 130		02/24/25 13:54	1

Lab Sample ID: LCS 885-21322/3
 Matrix: Water
 Analysis Batch: 21322

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	20.1	18.7		ug/L		93	70 - 130
Toluene	20.2	21.8		ug/L		108	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	93		70 - 130
4-Bromofluorobenzene (Surr)	98		70 - 130
Dibromofluoromethane (Surr)	99		70 - 130
Toluene-d8 (Surr)	111		70 - 130

QC Association Summary

Client: Hilcorp Energy
Project/Site: Hampton 4M

Job ID: 885-20016-1

GC/MS VOA

Analysis Batch: 21322

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-20016-1	MW-12	Total/NA	Water	8260B	
MB 885-21322/4	Method Blank	Total/NA	Water	8260B	
LCS 885-21322/3	Lab Control Sample	Total/NA	Water	8260B	

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Lab Chronicle

Client: Hilcorp Energy
Project/Site: Hampton 4M

Job ID: 885-20016-1

Client Sample ID: MW-12
Date Collected: 02/13/25 15:00
Date Received: 02/15/25 06:15

Lab Sample ID: 885-20016-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	21322	RA	EET ALB	02/25/25 00:23

Laboratory References:

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

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Accreditation/Certification Summary

Client: Hilcorp Energy
Project/Site: Hampton 4M

Job ID: 885-20016-1

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	02-26-25

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
8260B		Water	Benzene
8260B		Water	Ethylbenzene
8260B		Water	Toluene
8260B		Water	Xylenes, Total

Oregon	NELAP	NM100001	02-25-25
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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

QA/QC Package:

Standard Level 4 (Full Validation)

Accreditation: Az Compliance

NELAC Other

EDD (Type)

Turn-Around Time:

Standard Rush

Project Name:

Hampton 4M

Project #:

Project Manager:

Kate Keyfranz

Sampler: Brandon Sinclair

On Ice: Yes No

of Coolers: 1

Cooler Temp (including CF): $3.3 \pm 0 = 3.3^{\circ}C$ *yogi*

Container Type and #

Preservative Type

HEAL No.

Date: 2-13 1500

Matrix: ~~Water~~ Water

Sample Name: ~~MW-6~~ MW-12

(3) 40ml VOA

HCL

X

Date: 2-13 1500

Matrix: ~~Water~~ Water

Sample Name: ~~MW-6~~ MW-12

(3) 40ml VOA

HCL

X

Date: 2-13 1500

Matrix: ~~Water~~ Water

Sample Name: ~~MW-6~~ MW-12

(3) 40ml VOA

HCL

X

BTEX Method 8260

Analysis Request

Date: 2/14/25 1242

Relinquished by: *[Signature]*

Received by: *Christina Waters*

Date: 2/14/25 1242

Time: 1242

Date: 2/14/25 1100

Relinquished by: *Christina Waters*

Received by: *[Signature]*

Date: 2/15/25 1015

Time: 1015

Remarks: 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.



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

885-20016 COC

Login Sample Receipt Checklist

Client: Hilcorp Energy

Job Number: 885-20016-1

Login Number: 20016

List Number: 1

Creator: Casarrubias, Tracy

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.	N/A	
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 560640

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 560640
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
owen.sitler	This report is accepted with the following conditions: 1) Provide and upload P&A permits (for MW-5 and MW-12) from OSE into the OCD portal. 2) If LNAPL is detected, continue manual bailing or application of absorbent / ORC socks to remove product. 3) Continue quarterly sampling for constituents of concern; submit 2026 Groundwater Monitoring Report to OCD no later than April 2, 2027.	3/25/2026