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REVIEWED
By NVelez at 7:51 am, Jul 29, 2025

1. Continue O&M & sampling as stated in Discussions and Recommendations in report. 2. Submit next quarterly report by October 15, 2025.

ENSOLUM

July 14, 2025

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 Second Quarter – Remediation System Operation and Monitoring Report
Hare 15
San Juan County, New Mexico
Hilcorp Energy Company
NMOCD Incident No: NRM2020945060

To Whom it May Concern:

Ensolum, LLC (Ensolum), on behalf of Hilcorp Energy Company (Hilcorp), presents this *2025 Second Quarter - Remediation System Operation and Monitoring Report* summarizing remediation system performance during the second quarter of 2025 at the Hare 15 natural gas production well (Site, Figure 1) on land managed by the Bureau of Lan Management (BLM). The Site is located in Unit M, Section 3, Township 29 North, Range 10 West in San Juan County, New Mexico (Figure 1). The duration of operation and monitoring activities included in this report is for the period from March 31, 2025 through June 26, 2025.

This report was prepared following the approval from the New Mexico Oil Conservation Division (NMOCD) regarding the dual-phase extraction (DPE) remediation system described in the *Dual-Phase Extraction (DPE) Pilot Test Report and Final Remediation Work Plan* prepared by Ensolum and submitted to the NMOCD in April 2023. Per the conditions of approval (COAs) issued by the NMOCD on May 19, 2023, this report includes the following information:

- A summary of remediation activities during the quarter;
- The system run time summary;
- Total system flow and vacuum measurements;
- Individual well flow rates, photoionization detector (PID) measurements of volatile organic compounds (VOCs), vacuum measurements, and oxygen/carbon dioxide measurements via hand-held analyzers;
- The petroleum mass removal and fluid product recovery from the remediation system.

As approved in the *Dual-Phase Extraction (DPE) Pilot Test Report and Final Remediation Work Plan,* groundwater sampling has been conducted semi-annually beginning since 2024. This quarterly remediation summary report also includes data and summaries from semi-annual groundwater sampling events conducted at the Site during every other reporting period.

REMEDIATION SYSTEM DESCRIPTION

The remediation system at the Site includes a DPE system which uses a rotary lobe positive displacement blower to apply vacuum to 10 remediation wells (MW01, MW06, MW08, MW09, MW10, MW11, MW13, MW14, MW15, and MW16) connected to the blower via subsurface piping. The extracted air, petroleum vapors, and fluids enter a vapor/liquid separator or “knockout” tank.

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Air and petroleum vapors are passed through the high vacuum extraction blower and discharged to the atmosphere via an exhaust stack. Separated liquid, which includes phase separated hydrocarbons (PSH) and potentially dissolved phase impacted groundwater, is pumped to an open-top below grade tank for storage and off-site disposal. The system layout is depicted on Figure 2.

SECOND QUARTER 2025 OPERATION AND MAINTENANCE

Field data measurements were collected from the system a bi-weekly throughout the second quarter of 2025. Regular operations and maintenance (O&M) activities have been performed throughout the second quarter of 2025. Field forms completed during O&M visits are presented in Appendix A.

Since startup on August 13, 2024, all Site DPE wells are in operation in order to recover PSH, draw down the groundwater table, and induce air flow in impacted soil zones. Between March 31, 2025 and June 26, 2025, the DPE system operated for 1,753 hours for a runtime efficiency of 84 percent (%). Downtime was the result of fouled float switches within the knockout tank not functioning as designed, resulting in a seized blower. The NMOCD was notified of the broken blower and associated downtime on March 21, 2025. Excluding the shutdown period resulting from faulty equipment, the DPE system operated for a runtime efficiency of 97%. Correspondence regarding system downtime is included as Appendix B. The blower and knockout tank floats were replaced and following intermittent operation in mid-April to verify the repairs were successful, the system was restarted full time on April 15, 2025. Appendix C presents photographs of the runtime meter for calculating the second quarter 2025 runtime efficiency. Table 1 presents the SVE system operational hours and calculated percent runtime. Field measurements collected during O&M events are summarized in Table 2.

Vapor Recovery

Per the May 2023 COAs, influent vapor samples are collected from the DPE system bi-monthly (every other month) throughout the first year of operation. Two influent vapor samples were collected on April 29 and June 10, 2025, using a high vacuum air sampling pump on the system inlet, after the manifold assembly, but prior to the liquid knockout tank. An additional vapor sample was collected during the second quarter of 2025 to evaluate mass removal and emissions immediately following system restart on April 11, 2025. The samples were collected into two 1-Liter Tedlar® bags and submitted to Eurofins Environment Testing (Eurofins) in Albuquerque, New Mexico for analysis of VOCs following United States Environmental Protection Agency (EPA) Method 8260B, total petroleum hydrocarbons (TPH) following EPA Method 8015D, and fixed gas analysis of oxygen and carbon dioxide following Gas Processors Association (GPA) Method 2261. A summary of laboratory analytical results are summarized in Table 3, with complete laboratory analytical reports attached as Appendix D. Graphs 1 and 2 also present oxygen and carbon dioxide levels over time, respectively. Per the May 2023 COAs, influent vapor samples will continue to be collected bi-monthly (every other month) through August 2025. Following the first year of operation, vapor samples will be collected on a quarterly basis.

Vapor sample data and measured influent flow rates are used to estimate total mass recovered and total emissions generated by the DPE system (Table 4). Based on these estimates, 5,520 pounds (2.76 tons) of vapor phase TPH have been removed by the system to date.

Liquid Recovery

Total liquid recovery volumes are measured using a totalizing flow metering device. During June 2025, it was determined the totalizer was no longer functioning correctly and was not recording accurate volumes. As such, accurate liquid recovery volumes could not be recorded

during the second quarter of 2025. Attempts will be made to repair the totalizer during the third quarter of 2025; however, given the ongoing issues with the current turbine-style totalizer and scaling associated with the recovered liquids at this location, alternative means of recording liquid recovery totals will be evaluated. Liquid recovery is summarized in Table 5.

GROUNDWATER MONITORING

Since September 2020, groundwater gauging and sampling activities have been conducted at the Site. This report summarizes the second quarter of 2025 semi-annual groundwater sampling activities and data collected during the monitoring event.

Fluid Level Measurements

Prior to purging and sampling, static depth to groundwater and total depth of each monitoring well was measured using an oil/water interface probe. Depth to PSH was also recorded when present and a correction factor of 0.8 was applied to the calculated groundwater elevation to account for the depression of the water column caused by the presence of overlying PSH. The interface probe was decontaminated with Alconox® soap and rinsed with distilled water prior to each measurement to prevent cross contamination. Depth to groundwater, depth to PSH, and calculated groundwater elevations are summarized in Table 6. During the second quarter of 2025, measurable PSH was not detected by the oil/water interface probe at any monitoring well location. A sheen was detected during purging in eight monitoring wells (MW03, MW04A, MW07, MW10, MW13, MW15, MW16, and MW30). Potentiometric surface maps were drafted with groundwater elevations and PSH thickness measured during the second quarter 2025 quarterly monitoring event (Figure 3).

Groundwater Sampling Activities and Analytical Results

Groundwater samples were collected for laboratory analysis from monitoring wells containing sufficient water to sample and that did not contain measurable PSH or a sheen. Disposable polyvinyl chloride (PVC) bailers were used to collect groundwater samples due to limited water volume within several of the monitoring wells. Prior to collecting groundwater samples, Hilcorp purged a minimum of three casing volumes or until the well was bailed dry to promote water from the adjacent formation, representative of actual aquifer conditions, was sampled instead of stagnant water. If a well was purged dry, the well was allowed to recharge before samples were collected. Water quality parameters including pH, electrical conductivity, and temperature were measured in each well using a multi-probe water quality field meter during purging.

Groundwater samples were collected into laboratory provided sample bottles and immediately placed on ice for preservation. Samples were submitted to Hall Environmental Analysis Laboratory (Hall) and/or Eurofins (formerly Hall) for analysis of benzene, toluene, ethylbenzene, and xylenes (BTEX) via EPA Method 8260B. A summary of groundwater analytical results is presented in Table 7. During the second quarter of 2025, benzene concentrations exceeded the New Mexico Water Quality Conservation Commission (NMWQCC) standards at two locations (MW20 and MW26). The benzene concentration at monitoring well MW22, which had previously exceeded the NMWQCC standard during the fourth quarter of 2024 monitoring event, was below the standard for the first time since installation in 2021. A sample was not collected from monitoring well MW30, which previously had a benzene concentration exceeding the NMWQCC standard, due to the presence of a sheen during purging. The groundwater analytical results from the second quarter of 2025 are depicted on Figure 4, with complete laboratory analytical reports attached as Appendix E.

PSH Recovery

Beginning in September of 2020, PSH was manually recovered from monitoring wells using a disposable bailer through the second quarter of 2024. During each PSH recovery event, the thickness of product within the well and total volume removed was recorded. Table 8 presents the total volume recovered from each well at the Site during these recovery events. Through the second quarter of 2024, approximately 7.62 gallons of PSH were recovered manually from the Site. Manual PSH recovery no longer occurs at the Site while the DPE system is operational as PSH is being recovered from the extraction wells continuously during system operation.

Since DPE system startup on August 13, 2024, a decrease in PSH thickness has been observed at all monitoring wells that have historically contained measurable PSH, with the exception of monitoring well MW30, which contained a sheen for the first time since installation; however, no measurable PSH thickness was recorded by the oil/water interface probe during the second quarter of 2025 monitoring event. Hilcorp personnel will continue to monitor for the presence of PSH on a semi-annual basis. If PSH is confirmed at monitoring well MW30 during future monitoring events, an additional monitoring well will be installed to the northeast in order to maintain point of compliance.

DISCUSSIONS AND RECOMMENDATIONS

Bi-weekly (every other week) O&M visits and bi-monthly (every other month) sampling events (through August 2025) will be performed by Ensolum and/or Hilcorp personnel to ensure the DPE system is operating within normal working ranges (i.e., temperature, pressure, and vacuum). Deviations from regular operations will be noted on field logs and included in the following quarterly report. Semi-annual groundwater sampling events will continue to be conducted in the second and fourth quarters of the year.

Reporting

Updated remediation reports will be prepared and submitted to the NMOCD on a quarterly basis within 15 days following the end of the quarter and will contain the following:

- A summary of remediation and monitoring activities during the period;
- System run-time summary;
- Petroleum hydrocarbon mass removal and fluid recovery from the remediation system;
- DPE volume liquid removal; and
- Groundwater monitoring results, when applicable.

We appreciate the opportunity to provide this report to the NMOCD. If you should have any questions or comments regarding this report, please contact the undersigned.

Sincerely,
Ensolum, LLC

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Attachments:

Figure 1	Site Location Map
Figure 2	Dual Phase Extraction System Layout
Figure 3	Groundwater Elevation Map – Q2 2025
Figure 4	Groundwater Analytical Results – Q2 2025
Table 1	Dual Phase Extraction System Runtime Calculations
Table 2	Dual Phase Extraction System Field Measurements
Table 3	Dual Phase Extraction System Emissions Analytical Results
Table 4	Dual Phase Extraction System Mass Removal and Emissions
Table 5	Liquid Recovery
Table 6	Groundwater Elevation
Table 7	Groundwater Analytical Results
Table 8	PSH Recovery Summary
Graph 1	O_2 vs. Time
Graph 2	CO_2 vs. Time
Appendix A	O&M Field Notes
Appendix B	Correspondence
Appendix C	Project Photographs
Appendix D	DPE Laboratory Analytical Reports
Appendix E	Groundwater Laboratory Analytical Report

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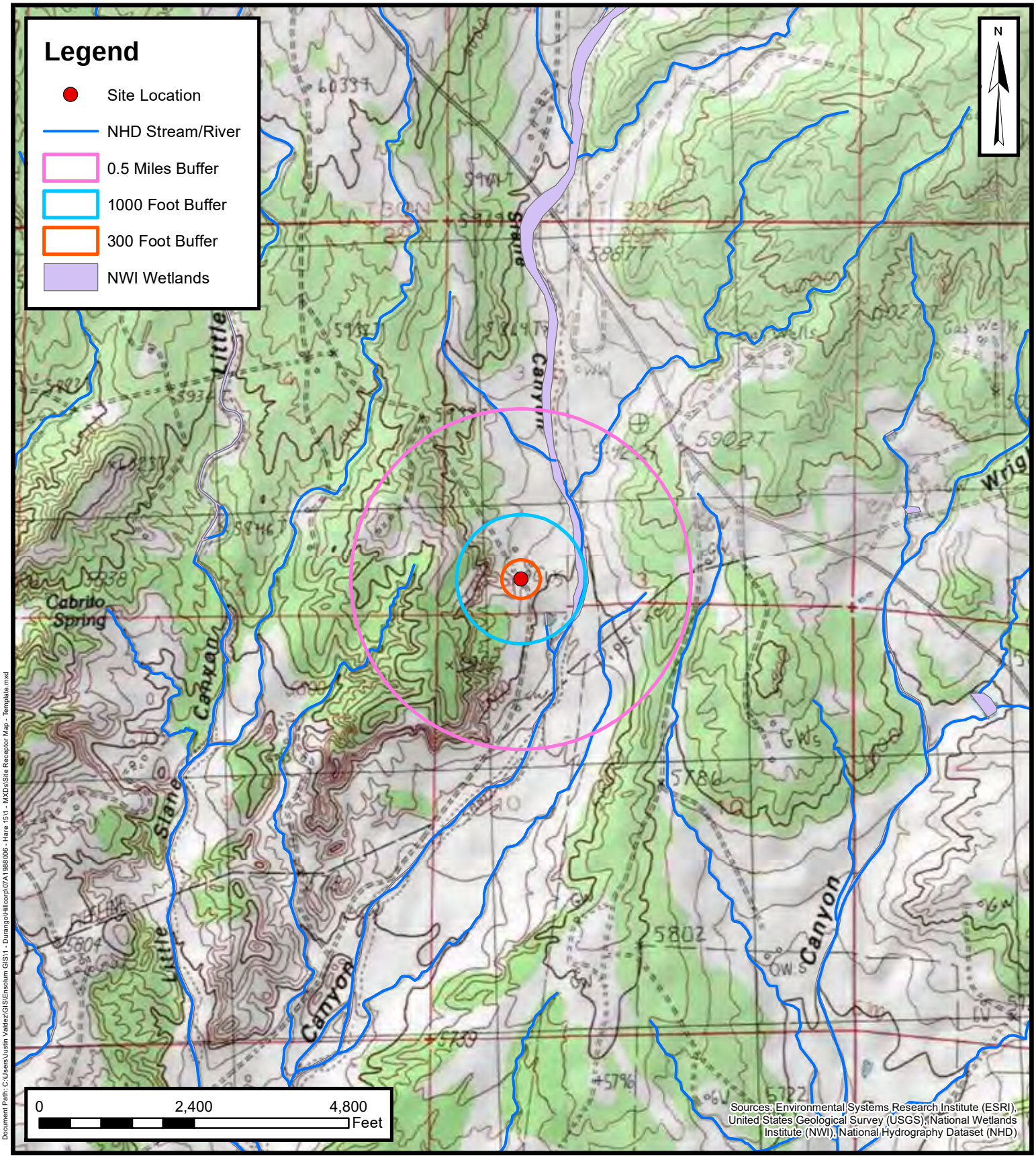
Figures



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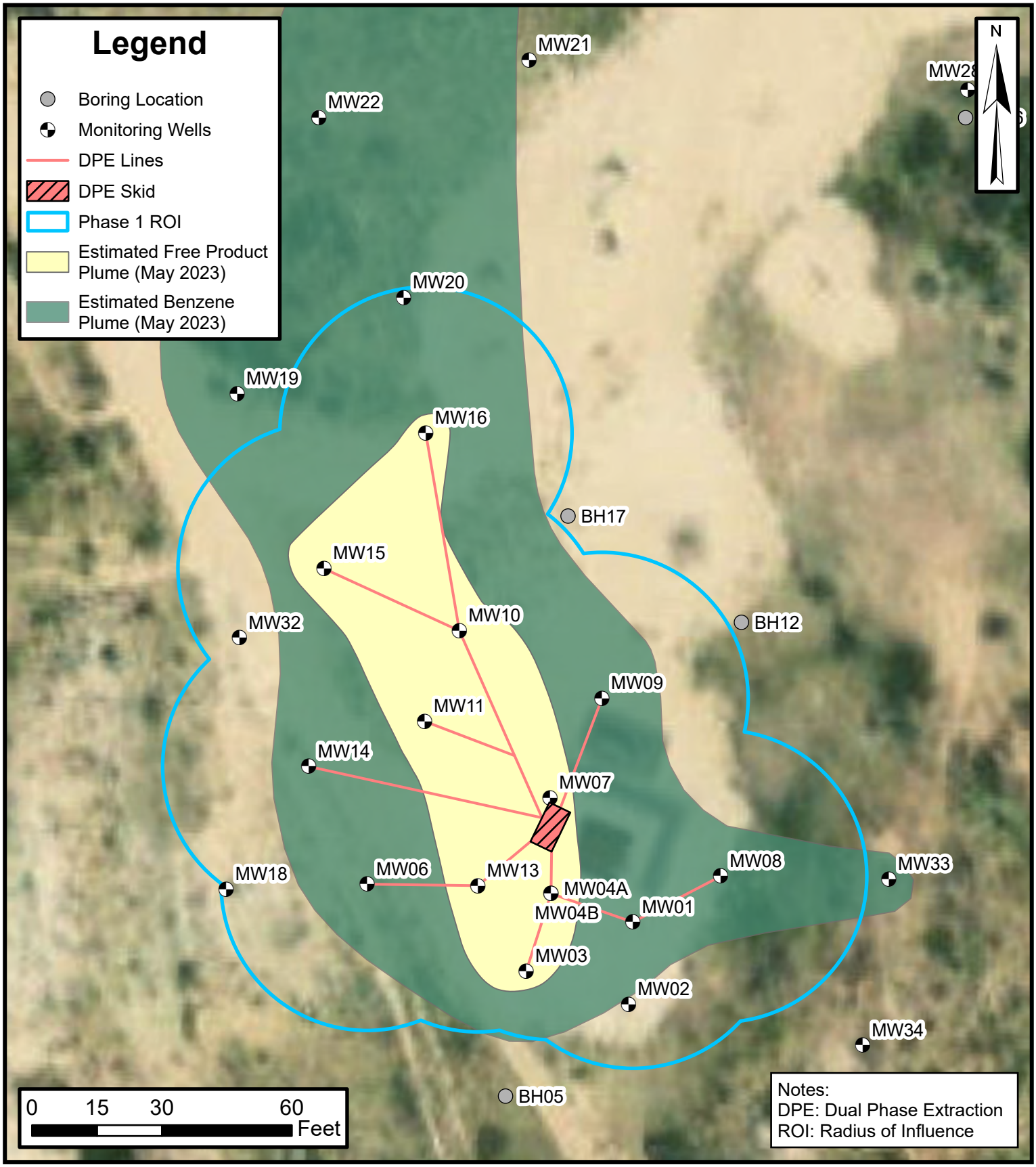
Environmental, Engineering and Hydrogeologic Consultants

Site Receptor Map

Hare 15
Hilcorp Energy Company
36.749188, -107.877461
San Juan County, NM

PROJECT NUMBER: 07A1988006

FIGURE
1



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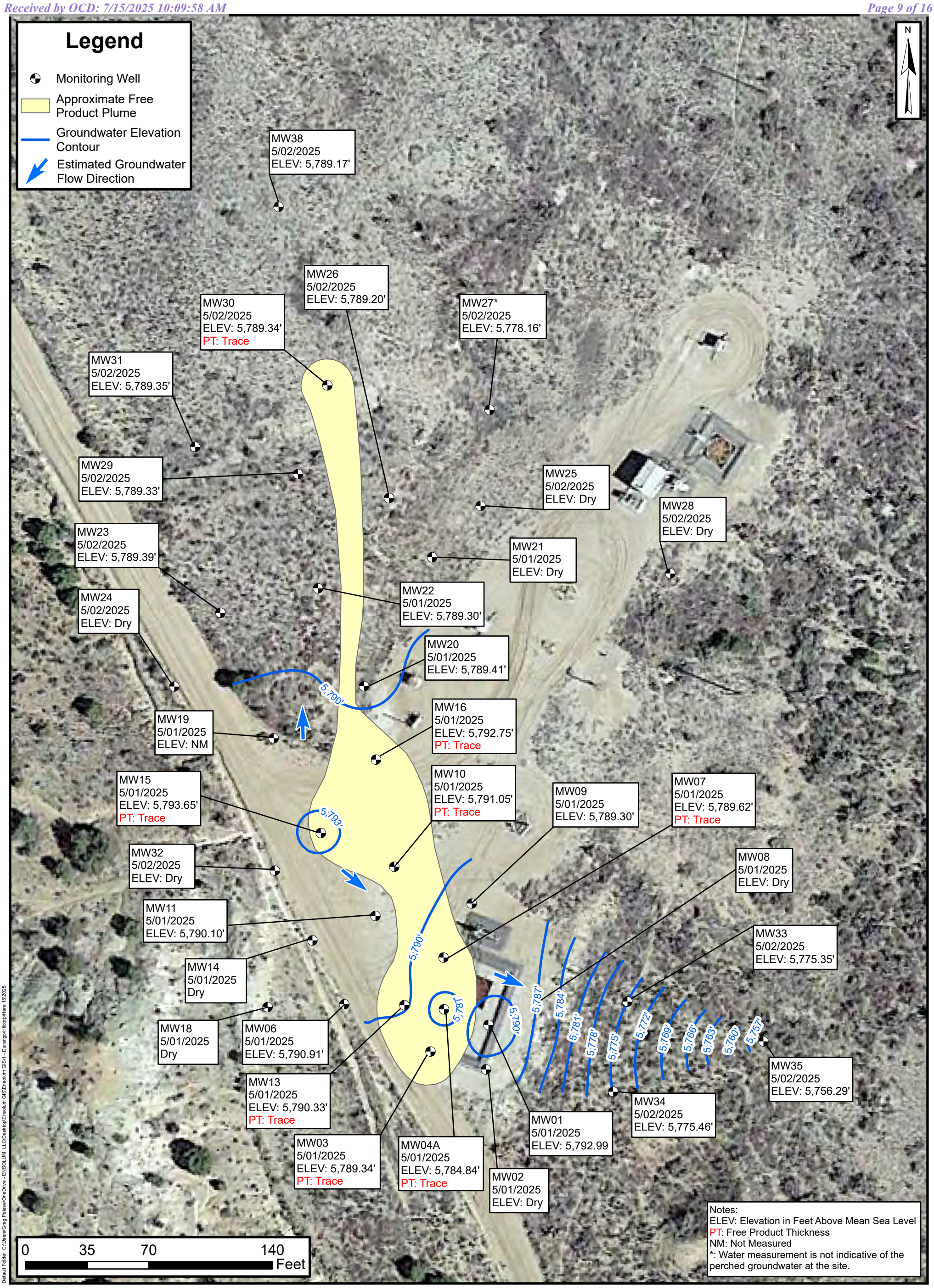
Dual Phase Extraction System

Hare 15
Hilcorp Energy Company
SW/SW, Sec 3, T29N, R10W
36.749188, -107.877461
San Juan County, New Mexico

FIGURE
2

Sources: Environmental Systems Research Institute (ESRI), Maxar, Microsoft



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Groundwater Elevation Contours
May 2025

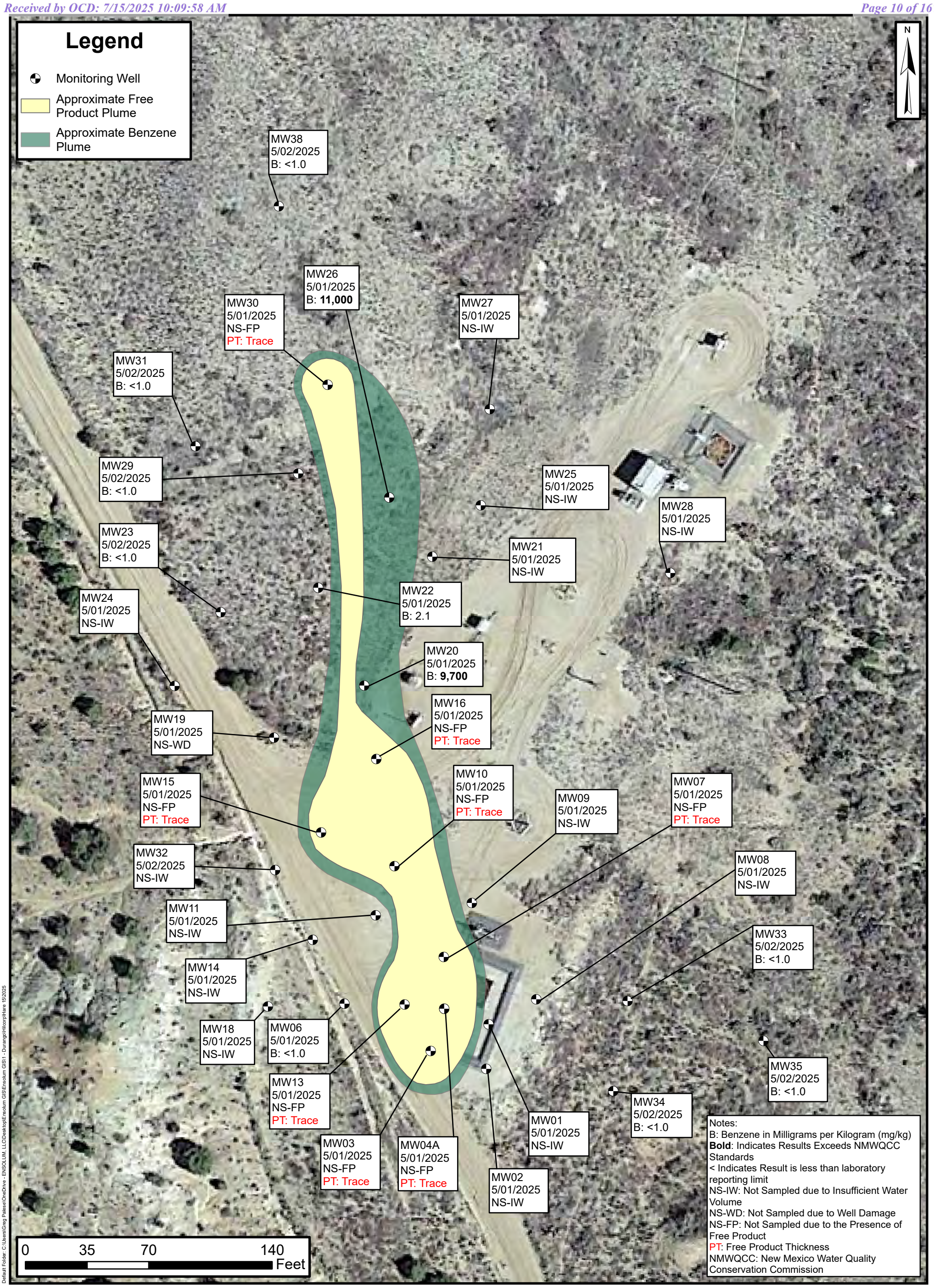
Hare 15
Hilcorp Energy Company

SW/SW, Sec 3, T29N, R10W
36.749188, -107.877461
San Juan County, New Mexico

FIGURE

3

Sources: Google Earth (2019)



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Groundwater Analytical Results May 2025

Hare 15
Hilcorp Energy Company

SW/SW, Sec 3, T29N, R10W
36.749188, -107.877461
San Juan County, New Mexico

FIGURE

4

Sources: Google Earth (2019)

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Tables & Graphs

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TABLE 1
DUAL PHASE EXTRACTION SYSTEM RUNTIME
Hare 15
Hilcorp Energy Company
San Juan County, New Mexico

Date/Time of Reading	System Hour Runtime	Run Time (%)	Cumulative Run Time (%)
8/13/2024	4	START UP	
3/31/2025	4,896	30%	89%
4/9/2025	4,896	0%	85%
4/29/2025	5,314	87%	85%
5/9/2025	5,502	79%	85%
5/21/2025	5,792	101%	86%
6/10/2025	6,269	99%	87%
6/26/2025	6,649	99%	87%
	2nd Qrt 25 Runtime%		84%

Notes:

%: percent

Dashed line indicates quarter change

--: not applicable/not collected

NR: Not Recorded

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TABLE 2
DUAL PHASE EXTRACTION SYSTEM FIELD MEASUREMENTS
Hare 15
Hilcorp Energy Company
San Juan County, New Mexico

SVE Well ID	Date	PID (ppm)	Differential Pressure (IWC)	Flow Rate (acfm)	Flow Rate (scfm)[1]	Vacuum (IHG)	Vacuum (psi)	Oxygen (%)	Carbon Dioxide (%)
Influent, All Wells	8/13/2024	1,572	0.40	221	127	8.0	3.93	12.7	>5.0
	8/14/2024	1,915	0.40	221	127	8.0	3.93	16.5	3.52
	8/15/2024	1,372	0.55	259	142	9.0	4.42	20.4	0.96
	8/16/2024	1,277	0.50	247	139	8.5	4.17	20.4	0.94
	8/21/2024	1,838	0.50	247	120	11.5	5.65	20.1	0.94
	8/28/2024	2,020	0.55	259	136	10.0	4.91	20.9	0.00
	9/4/2024	495	--	300	157	10.0	4.91	20.4	0.34
	9/11/2024	691	--	300	157	10.0	4.91	20.9	0.34
	9/19/2024	1,004	--	300	149	11.0	5.40	20.2	0.26
	9/25/2024	421	--	300	149	11.0	5.40	18.8	0.26
	10/1/2024	435	--	300	169	8.5	4.17	--	--
	10/16/2024	389	--	325	204	6.0	2.95	19.8	0.22
	10/23/2024	--	--	--	--	--	--	--	--
	11/6/2024	129	--	250	144	8.0	3.93	20.9	0.08
	11/14/2024	--	--	360	202	8.5	4.17	--	--
	11/27/2024	378	--	280	139	11.0	5.40	19.9	--
	12/5/2024	276	--	280	143	10.5	5.16	20.9	0.03
	12/11/2024	184	--	300	153	10.5	5.16	--	--
	12/18/2024	169	--	220	112	10.5	5.16	20.8	0.14
	12/30/2024	281	--	275	129	12.0	5.89	20.9	0.19
	1/8/2025	189	0.40	221	113	10.5	5.16	--	--
	1/25/2025	258	0.35	207	112	9.3	4.54	20.9	0.07
	2/6/2025	67	0.35	207	114	9.0	4.42	20.9	0.05
	2/21/2025	187	0.33	199	107	9.5	4.67	--	--
	3/11/2025	125	0.53	253	146	8.0	3.93	--	--
	3/31/2025	System Off - Blower Broken							
	4/11/2025	292	0.35	207	105	10.5	5.16	--	--
	4/29/2025	658	--	--	--	--	--	--	--
	5/9/2025	--	--	--	--	10.5	5.16	--	--
	5/21/2025	37	0.25	175	91	10.0	4.91	20.9	0.01
	6/10/2025	48	0.30	192	85	13.0	6.39	20.9	0.14
	6/26/2025	77	0.25	175	82	12.0	5.89	20.9	0.09
MW01	8/13/2024	736	--	62	38	6.5	3.19	14.6	>5.00
	8/14/2024	1,515	--	60	39	5.0	2.46	18.5	1.78
	8/15/2024	2,298	--	68	44	5.0	2.46	20.4	0.64
	8/16/2024	1,454	--	64	42	5.0	2.46	20.4	0.60
	8/21/2024	1,270	--	76	42	9.0	4.42	20.6	0.36
	8/28/2024	2,601	--	70	43	6.5	3.19	20.1	0.72
	9/4/2024	344	--	45	29	5.0	2.46	20.4	0.20
	9/11/2024	211	--	45	30	4.5	2.21	20.8	0.24
	9/19/2024	201	--	28	18	6.0	2.95	20.2	0.22
	9/25/2024	92	--	50	31	6.0	2.95	19.0	0.18
	10/1/2024	326	--	66	41	6.0	2.95	--	--
	10/16/2024	41	--	54	35	5.0	2.46	19.9	0.16
	10/23/2024	66	--	--	--	7.0	3.44	21.4	0.02
	11/6/2024	6	--	48	29	6.5	3.19	20.9	0.13
	11/14/2024	64	--	70	41	7.5	3.68	20.9	0.08
	11/27/2024	6	--	50	30	7.0	3.44	20.9	0.11
	12/5/2024	59	--	55	35	6.0	2.95	20.8	0.20
	12/11/2024	4	--	75	44	7.5	3.68	20.9	0.04
	12/18/2024	31	--	55	30	9.0	4.42	20.9	0.07
	12/30/2024	39	--	70	41	7.5	3.68	20.9	0.06
	1/8/2025	148	--	46	27	7.3	3.56	20.9	0.05
	1/25/2025	153	--	30	18	7.5	3.68	20.9	0.02
	2/6/2025	98	--	32	19	7.5	3.68	20.9	0.02
	2/21/2025	76	--	40	23	8.0	3.93	--	--
	3/11/2025	49	--	36	21	8.0	3.93	--	--
	3/31/2025	System Off - Blower Broken							
	4/11/2025	63	--	68		9.5	4.67	--	--
	4/29/2025	--	--	--	--	--	--	--	--
	5/9/2025	66	--	24	13	10.0	4.91	--	--
	5/21/2025	26	--	12	7	7.0	3.44	20.9	0.06
	6/10/2025	22	--	10	6	7.3	3.56	20.9	0.07
	6/26/2025	--	--	--	--	--	--	--	--
MW06	8/13/2024	42	--	30	19	6.0	2.95	20.9	0.02
	8/14/2024	325	--	20	13	5.0	2.46	20.0	1.70
	8/15/2024	274	--	22	15	4.0	1.96	20.9	0.88
	8/16/2024	364	--	26	17	5.0	2.46	20.9	0.86
	8/21/2024	368	--	58	29	11.0	5.40	20.9	0.40

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TABLE 2
DUAL PHASE EXTRACTION SYSTEM FIELD MEASUREMENTS
Hare 15
Hilcorp Energy Company
San Juan County, New Mexico

SVE Well ID	Date	PID (ppm)	Differential Pressure (IWC)	Flow Rate (acfm)	Flow Rate (scfm)[1]	Vacuum (IHG)	Vacuum (psi)	Oxygen (%)	Carbon Dioxide (%)
MW06	8/28/2024	378	--	55	33	7.0	3.44	20.9	0.22
	9/4/2024	144	--	55	35	6.0	2.95	20.9	0.14
	9/11/2024	56	--	50	31	6.0	2.95	20.9	0.10
	9/19/2024	98	--	50	31	6.0	2.95	20.5	0.14
	9/25/2024	254	--	45	29	5.5	2.70	19.4	0.08
	10/1/2024	409	--	74	46	6.0	2.95	--	--
	10/16/2024	14	--	44	29	5.0	2.46	21.1	0.10
	10/23/2024	26	--	--	--	7.0	3.44	21.4	0.04
	11/6/2024	58	--	50	30	7.0	3.44	20.9	0.11
	11/14/2024	--	--	58	34	7.5	3.68	--	--
	11/27/2024	76	--	60	35	7.5	3.68	20.9	0.19
	12/5/2024	117	--	50	31	6.0	2.95	20.9	0.11
	12/18/2024	48	--	55	27	11.5	5.65	20.8	0.10
	12/11/2024	24	--	60	35	8.0	3.93	20.9	0.10
	12/30/2024	53	--	50	30	7.0	3.44	20.9	0.11
	1/8/2025	43	--	54	32	7.0	3.44	20.7	0.02
	1/25/2025	468	--	54	32	7.0	3.44	20.8	0.02
	2/6/2025	52	--	54	32	7.0	3.44	20.9	0.03
	2/21/2025	43	--	54	30	8.8	4.30	--	--
	3/11/2025	37	--	24	14	7.3	3.56	--	--
	3/31/2025	System Off - Blower Broken							
	4/11/2025	46	--	68		9.5	4.67	--	--
	4/29/2025	--	--	--	--	--	--	--	--
	5/9/2025	49	--	58	30	10.0	4.91	--	--
	5/21/2025	18	--	42	22	10.0	4.91	20.9	0.05
	6/10/2025	16	--	42	22	10.0	4.91	20.9	0.10
	6/26/2025	--	--	--	--	--	--	--	--
MW08	8/13/2024	16	--	28	18	6.0	2.95	17.9	4.58
	8/14/2024	403	--	30	20	5.0	2.46	19.7	1.62
	8/15/2024	346	--	32	21	5.0	2.46	20.9	0.74
	8/16/2024	436	--	38	25	5.0	2.46	20.9	0.48
	8/21/2024	110	--	38	21	9.0	4.42	20.9	0.42
	8/28/2024	37	--	30	18	7.5	3.68	20.9	0.24
	9/4/2024	35	--	30	18	7.5	3.68	20.4	0.14
	9/11/2024	69	--	30	18	7.5	3.68	20.9	0.12
	9/19/2024	57	--	25	15	7.5	3.68	20.5	0.16
	9/25/2024	28	--	40	25	6.0	2.95	19.5	0.10
	10/1/2024	79	--	14	9	5.0	2.46	--	--
	10/16/2024	7	--	14	9	6.0	2.95	20.0	0.18
	10/23/2024	6	--	--	--	6.5	3.19	21.4	0.08
	11/6/2024	5	--	25	15	7.0	3.44	20.2	0.90
	11/14/2024	3	--	22	13	7.5	3.68	20.9	0.12
	11/27/2024	8	--	25	15	7.5	3.68	20.9	0.70
	12/5/2024	52	--	25	14	8.0	3.93	20.8	0.35
	12/11/2024	27	--	20	16	0.0	0.00	20.9	0.03
	12/18/2024	45	--	30	17	8.5	4.17	20.9	0.05
	12/30/2024	73	--	--	--	7.5	3.68	20.8	0.06
	1/8/2025	66	--	16	9	7.5	3.68	20.9	0.00
	1/25/2025	70	--	16	9	7.5	3.68	20.9	0.00
	2/6/2025	63	--	14	8	8.0	3.93	20.9	0.00
	2/21/2025	58	--	20	12	8.0	3.93	--	--
	3/11/2025	--	--	10	8	0.0	0.00	--	--
	3/31/2025	System Off - Blower Broken							
	4/11/2025	44		32		8.5		--	--
	4/29/2025	--	--	--	--	--	--	--	--
	5/9/2025	41	--	18	10	9.5	4.67	--	--
	5/21/2025	16	--	10	7	4.5	2.21	20.9	0.01
	6/10/2025	10	--	10	5	9.0	4.42	20.9	0.15
	6/26/2025	--	--	--	--	--	--	--	--
MW09	8/13/2024	59	--	32	21	5.5	2.70	16.5	>5.00
	8/14/2024	373	--	34	23	4.5	2.21	19.4	3.06
	8/15/2024	283	--	74	50	4.0	1.96	20.4	1.58
	8/16/2024	619	--	50	34	4.0	1.96	20.6	1.16
	8/21/2024	162	--	58	33	8.0	3.93	20.9	0.48
	8/28/2024	85	--	50	31	6.0	2.95	20.9	0.40
	9/4/2024	87	--	60	38	5.5	2.70	20.4	0.24
	9/11/2024	50	--	40	25	6.0	2.95	20.9	0.24
	9/19/2024	53	--	60	38	6.0	2.95	20.2	0.26
	9/25/2024	52	--	60	40	4.5	2.21	19.3	0.18
	10/1/2024	57	--	100	65	5.0	2.46	--	--

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TABLE 2
DUAL PHASE EXTRACTION SYSTEM FIELD MEASUREMENTS
Hare 15
Hilcorp Energy Company
San Juan County, New Mexico

SVE Well ID	Date	PID (ppm)	Differential Pressure (IWC)	Flow Rate (acfm)	Flow Rate (scfm)[1]	Vacuum (IHG)	Vacuum (psi)	Oxygen (%)	Carbon Dioxide (%)
MW09	10/16/2024	15	--	30	20	5.0	2.46	20.0	0.24
	10/23/2024	24	--	--	--	6.0	2.95	21.9	0.08
	11/6/2024	6	--	60	37	6.5	3.19	20.9	0.16
	11/14/2024	11	--	100	59	7.5	3.68	20.9	0.20
	11/27/2024	12	--	75	46	6.5	3.19	20.9	0.13
	12/5/2024	90	--	60	35	8.0	3.93	20.9	0.27
	12/11/2024	124	--	75	44	7.5	3.68	20.9	0.04
	12/18/2024	115	--	75	42	8.5	4.17	20.9	0.15
	12/30/2024	289	--	80	47	7.5	3.68	20.9	0.19
	1/8/2025	62	--	50	31	6.0	2.95	19.2	0.06
	1/25/2025	76	--	10	6	7.0	3.44	20.9	0.06
	2/6/2025	--	--	0	0	0.0	0.00	--	--
	2/21/2025	--	--	0	0	0.0	0.00	--	--
	3/11/2025	42	--	10	6	7.0	3.44	--	--
	3/31/2025	System Off - Blower Broken							
	4/11/2025	39	--	96	49	10.5	5.16	--	--
	4/29/2025	--	--	--	--	--	--	--	--
	5/9/2025	34	--	80	42	10.0	4.91	--	--
	5/21/2025	16	--	50	27	9.5	4.67	20.9	0.07
	6/10/2025	21	--	10	5	9.8	4.79	20.9	0.15
	6/26/2025	--	--	--	--	--	--	--	--
MW10	8/13/2024	1,334	--	56	36	5.5	2.70	17.7	3.38
	8/14/2024	1,803	--	44	29	4.5	2.21	12.0	3.46
	8/15/2024	2,053	--	62	42	4.0	1.96	16.4	1.78
	8/16/2024	1,978	--	58	38	5.0	2.46	18.0	1.66
	8/21/2024	2,851	--	70	38	9.0	4.42	18.9	1.50
	8/28/2024	1,302	--	65	43	4.5	2.21	20.9	0.32
	9/4/2024	1,112	--	70	46	5.0	2.46	20.8	0.38
	9/11/2024	704	--	70	45	5.5	2.70	20.8	0.40
	9/19/2024	1,201	--	70	44	6.0	2.95	19.9	0.38
	9/25/2024	556	--	65	42	5.0	2.46	17.0	0.64
	10/1/2024	834	--	60	38	5.5	2.70	--	--
	10/16/2024	410	--	60	39	5.0	2.46	19.8	0.36
	10/23/2024	307	--	--	--	5.0	2.46	20.9	0.16
	11/6/2024	288	--	75	48	5.5	2.70	20.9	0.22
	11/14/2024	--	--	74	45	6.5	3.19	--	--
	11/27/2024	335	--	65	42	5.0	2.46	20.8	0.21
	12/5/2024	506	--	70	49	3.5	1.72	--	0.39
	12/11/2024	484	--	80	53	4.5	2.21	220.9	0.59
	12/18/2024	409	--	75	50	4.5	2.21	20.1	0.45
	12/30/2024	279	--	65	44	4.0	1.96	20.1	0.44
	1/8/2025	611	--	60	43	2.5	1.23	20.3	0.21
	1/25/2025	478	--	62	44	3.0	1.47	20.7	0.15
	2/6/2025	457	--	64	46	2.8	1.35	20.9	0.10
	2/21/2025	372	--	64	46	2.5	1.23	--	--
	3/11/2025	326	--	56	40	2.5	1.23	--	--
	3/31/2025	System Off - Blower Broken							
	4/11/2025	234		76	42	9.0	4.42	--	--
	4/29/2025	--	--	--	--	--	--	--	--
	5/9/2025	252	--	80	44	9.0	4.42	--	--
	5/21/2025	128	--	74	47	5.8	2.82	20.9	0.16
	6/10/2025	164	--	74	46	6.0	2.95	20.9	0.11
	6/26/2025	--	--	--	--	--	--	--	--
MW11	8/13/2024	1,751	--	44	26	7.0	3.44	10.3	>5.00
	8/14/2024	1,940	--	40	26	5.0	2.46	15.1	3.80
	8/15/2024	1,852	--	74	48	5.0	2.46	18.2	1.64
	8/16/2024	2,190	--	68	44	5.0	2.46	18.8	1.46
	8/21/2024	2,381	--	76	36	12.0	5.89	19.3	0.94
	8/28/2024	2,964	--	80	47	7.5	3.68	20.6	0.50
	9/4/2024	977	--	55	32	7.5	3.68	20.6	0.31
	9/11/2024	423	--	80	47	7.5	3.68	20.9	0.26
	9/19/2024	1,999	--	60	36	7.0	3.44	20.5	0.28
	9/25/2024	461	--	70	44	6.0	2.95	17.3	0.46
	10/1/2024	592	--	100	63	6.0	2.95	--	--
	10/16/2024	229	--	58	37	5.5	2.70	19.8	0.28
	10/23/2024	179	--	--	--	7.5	3.68	20.9	0.18
	11/6/2024	170	--	50	30	7.0	3.44	20.9	0.19
	11/14/2024	--	--	56	32	8.0	3.93	--	--
	11/27/2024	142	--	60	35	7.5	3.68	20.8	0.19

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TABLE 2
DUAL PHASE EXTRACTION SYSTEM FIELD MEASUREMENTS
Hare 15
Hilcorp Energy Company
San Juan County, New Mexico

SVE Well ID	Date	PID (ppm)	Differential Pressure (IWC)	Flow Rate (acfm)	Flow Rate (scfm)[1]	Vacuum (IHG)	Vacuum (psi)	Oxygen (%)	Carbon Dioxide (%)
MW11	12/5/2024	386	--	80	52	5.0	2.46	20.5	0.32
	12/11/2024	130	--	80	44	9.0	4.42	20.9	0.41
	12/18/2024	172	--	80	40	11.0	5.40	20.7	0.34
	12/30/2024	152	--	50	29	8.0	3.93	20.9	0.22
	1/8/2025	394	--	48	28	7.5	3.68	20.2	0.13
	1/25/2025	482	--	40	24	7.5	3.68	20.9	0.11
	2/6/2025	457	--	52	29	8.5	4.17	20.9	0.07
	2/21/2025	189	--	50	30	7.3	3.56	--	--
	3/11/2025	104	--	40	25	6.5	3.19	--	--
	3/31/2025	System Off - Blower Broken							
	4/11/2025	110	--	58	32	9.0	4.42	--	--
	4/29/2025	--	--	--	--	--	--	--	--
	5/9/2025	114	--	72	38	10.0	4.91	--	--
	5/21/2025	76	--	58	30	10.5	5.16	20.9	0.08
	6/10/2025	68	--	58	30	10.3	5.03	20.9	0.09
	6/26/2025	--	--	--	--	--	--	--	--
MW13	8/13/2024	290	--	44	24	9.0	4.42	18.9	2.28
	8/14/2024	963	--	10	6	6.0	2.95	20.9	0.14
	8/15/2024	662	--	14	10	4.0	1.96	20.9	0.10
	8/16/2024	451	--	14	10	4.0	1.96	20.9	0.06
	8/21/2024	2,845	--	72	38	10.0	4.91	20.6	0.48
	8/28/2024	993	--	60	35	8.0	3.93	20.9	0.00
	9/4/2024	122	--	60	39	5.0	2.46	20.9	0.02
	9/11/2024	63	--	--	--	4.0	1.96	20.9	0.04
	9/19/2024	113	--	--	--	7.5	3.68	20.5	0.04
	9/25/2024	464	--	--	--	7.5	3.68	17.4	0.26
	10/1/2024	552	--	52	30	8.0	3.93	--	--
	10/16/2024	9	--	58	37	5.5	2.70	20.0	0.02
	10/23/2024	153	--	--	--	9.0	4.42	21.4	0.06
	11/6/2024	80	--	60	33	9.0	4.42	20.8	0.11
	11/14/2024	--	--	90		10.0	4.91	--	--
	11/27/2024	94	--	80	43	9.5	4.67	20.9	0.17
	12/5/2024	148	--	60	36	7.0	3.44	20.7	0.17
	12/11/2024	14	--	65	34	10.0	4.91	20.4	0.13
	12/18/2024	39	--	60	31	10.5	5.16	20.9	0.13
	12/30/2024	38	--	60	32	9.5	4.67	20.9	0.19
	1/8/2025	236	--	52	28	9.5	4.67	20.9	0.04
	1/25/2025	262	--	62	33	9.5	4.67	20.9	0.05
	2/6/2025	132	--	42	22	10.0	4.91	20.9	0.04
	2/21/2025	123	--	50	26	10.0	4.91	--	--
	3/11/2025	--	--	48	27	8.3	4.05	--	--
	3/31/2025	System Off - Blower Broken							
	4/11/2025	49	--	72	38	10.0	4.91	--	--
	4/29/2025	--	--	--	--	--	--	--	--
	5/9/2025	47	--	60	31	10.0	4.91	--	--
	5/21/2025	--	--	56	26	12.0	5.89	--	--
	6/10/2025	--	--	48	23	12.0	5.89	--	--
	6/26/2025	--	--	--	--	--	--	--	--
MW14	8/13/2024	379	--	42	25	7.0	3.44	14.8	>5.00
	8/14/2024	1,074	--	32	21	5.0	2.46	18.3	4.18
	8/15/2024	759	--	50	34	4.0	1.96	19.9	1.94
	8/16/2024	726	--	52	34	5.0	2.46	19.9	2.02
	8/21/2024	688	--	58	27	12.0	5.89	20.6	1.26
	8/28/2024	633	--	50	30	7.0	3.44	20.9	0.65
	9/4/2024	210	--	45	28	6.5	3.19	20.9	0.40
	9/11/2024	150	--	45	28	6.5	3.19	20.9	0.32
	9/19/2024	161	--	60	35	7.5	3.68	20.9	0.05
	9/25/2024	203	--	60	38	6.0	2.95	19.5	0.20
	10/1/2024	143	--	60	36	7.0	3.44	--	--
	10/16/2024	72	--	48	31	5.0	2.46	19.9	0.23
	10/23/2024	81	--	--	--	6.5	3.19	21.1	0.16
	11/6/2024	51	--	50	30	7.0	3.44	20.9	0.14
	11/14/2024	--	--	60	35	7.5	3.68	--	--
	11/27/2024	78	--	75	44	7.5	3.68	20.9	0.10
	12/5/2024	108	--	70	46	5.0	2.46	20.9	0.26
	12/11/2024	21	--	65	37	8.0	3.93	20.9	0.27
	12/18/2024	64	--	70	40	8.0	3.93	20.9	0.26
	12/30/2024	64	--	50	30	7.0	3.44	20.9	0.20
	1/8/2025	233	--	40	24	7.5	3.68	20.9	0.12

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Hare 15
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San Juan County, New Mexico

SVE Well ID	Date	PID (ppm)	Differential Pressure (IWC)	Flow Rate (acfm)	Flow Rate (scfm)[1]	Vacuum (IHG)	Vacuum (psi)	Oxygen (%)	Carbon Dioxide (%)
MW14	1/25/2025	262	--	100	59	7.3	3.56	20.9	0.09
	2/6/2025	144	--	52	30	8.0	3.93	20.8	0.05
	2/21/2025	84	--	48	27	8.5	4.17	--	--
	3/11/2025	112	--	36	20	8.5	4.17	--	--
	3/31/2025	System Off - Blower Broken							
	4/11/2025	73	--	74	35	12.0	5.89	--	--
	4/29/2025	--	--	--	--	--	--	--	--
	5/9/2025	68	--	80	39	11.5	5.65	--	--
	5/21/2025	54	--	56	29	10.0	4.91	20.9	0.09
	6/10/2025	75	--	50	26	10.0	4.91	20.9	0.12
	6/26/2025	--	--	--	--	--	--	--	--
MW15	8/13/2024	379	--	70	42	7.0	3.44	12.0	>5.00
	8/14/2024	1,932	--	52	33	5.5	2.70	14.6	>5.00
	8/15/2024	1,677	--	58	36	6.0	2.95	16.9	4.26
	8/16/2024	1,262	--	44	29	5.0	2.46	17.7	3.82
	8/21/2024	1,555	--	70	35	11.0	5.40	18.9	2.52
	8/28/2024	1,865	--	55	33	7.0	3.44	20.9	0.76
	9/4/2024	975	--	55	33	7.0	3.44	20.7	0.72
	9/11/2024	555	--	60	35	7.5	3.68	20.8	0.54
	9/19/2024	602	--	70	41	7.5	3.68	19.9	0.50
	9/25/2024	393	--	60	38	6.0	2.95	18.2	0.62
	10/1/2024	386	--	70	43	6.5	3.19	--	--
	10/16/2024	220	--	62	41	5.0	2.46	19.9	0.39
	10/23/2024	205	--	--	--	7.0	3.44	20.9	0.22
	11/6/2024	214	--	70	41	7.5	3.68	20.9	0.25
	11/14/2024	--	--	72	41	8.0	3.93	--	--
	11/27/2024	442	--	60	35	7.5	3.68	20.4	0.31
	12/5/2024	539	--	70	46	5.0	2.46	20.1	0.49
	12/11/2024	395	--	75	41	9.0	4.42	20.9	0.39
	12/18/2024	371	--	65	36	9.0	4.42	20.9	0.46
	12/30/2024	299	--	70	41	7.5	3.68	20.6	0.35
	1/8/2025	628	--	62	36	7.5	3.68	20.3	0.23
	1/25/2025	701	--	58	34	7.5	3.68	20.7	0.21
	2/6/2025	218	--	50	29	7.8	3.81	20.9	0.20
	2/21/2025	338	--	52	29	9.0	4.42	--	--
	3/11/2025	305	--	44	26	7.3	3.56	--	--
	3/31/2025	System Off - Blower Broken							
	4/11/2025	218		68		10.0		--	--
	4/29/2025	--	--	--	--	--	--	--	--
	5/9/2025	234	--	64	33	10.5	5.16	--	--
	5/21/2025	151	--	54	28	10.5	5.16	20.9	0.22
	6/10/2025	137	--	44	23	10.3	5.03	20.9	0.18
	6/26/2025	--	--	--	--	--	--	--	--
MW16	8/13/2024	1,796	--	14	8	7.0	3.44	13.5	>5.00
	8/14/2024	480	--	12	8	5.5	2.70	20.9	0.02
	8/15/2024	501	--	18	12	5.0	2.46	20.9	0.00
	8/16/2024	47	--	26	17	5.0	2.46	20.9	0.02
	8/21/2024	404	--	25	12	11.0	5.40	20.9	0.02
	8/28/2024	4,787	--	45	27	7.0	3.44	20.9	0.76
	9/4/2024	1,810	--	30	18	7.0	3.44	20.8	0.51
	9/11/2024	1,335	--	30	18	7.5	3.68	20.7	0.42
	9/19/2024	1,421	--	NM	NM	7.0	3.44	20.2	0.32
	9/25/2024	188	--	30	19	6.0	2.95	19.9	0.04
	10/1/2024	112	--	58	36	6.0	2.95	--	--
	10/16/2024	68	--	14	9	5.5	2.70	19.9	0.02
	10/23/2024	30	--	--	--	6.0	2.95	20.2	0.08
	11/6/2024	279	--	50	29	7.5	3.68	20.9	0.11
	11/14/2024	--	--	48	28	8.0	3.93	--	--
	11/27/2024	422	--	55	32	7.5	3.68	20.5	0.25
	12/5/2024	751	--	20	12	7.5	3.68	20.9	0.32
	12/11/2024	217	--	15	11	1.0	0.49	20.9	0.28
	12/18/2024	273	--	75	41	9.0	4.42	20.9	0.21
	12/30/2024	241	--	--	--	8.0	3.93	20.9	--
	1/8/2025	91	--	14	8	7.8	3.81	20.9	0.00
	1/25/2025	83	--	16	9	7.8	3.81	20.9	0.00
	2/6/2025	125	--	24	14	8.0	3.93	20.9	0.00
	2/21/2025	94	--	16	8	9.8	4.79	--	--
	3/11/2025	150	--	10	6	7.5	3.68	--	--
	3/31/2025	System Off - Blower Broken							

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Hare 15
Hilcorp Energy Company
San Juan County, New Mexico

SVE Well ID	Date	PID (ppm)	Differential Pressure (IWC)	Flow Rate (acfm)	Flow Rate (scfm)[1]	Vacuum (IHG)	Vacuum (psi)	Oxygen (%)	Carbon Dioxide (%)
MW16	4/11/2025	110		58		10.0		--	--
	4/29/2025	--	--	--	--	--	--	--	--
	5/9/2025	9	--	24	13	9.5	4.67	--	--
	5/21/2025	--	--	0	0	0.0	0.00	--	--
	6/10/2025	--	--	0	0	0.0	0.00	--	--
	6/26/2025	--	--	--	--	--	--	--	--

Notes:

(1) Individual Well Flow Rates in scfm estimated based on rotometer readings from 1/2/24 to 1/5/24

IHG: inches of mercury

PID: photoionization detector

ppm: parts per million

acfm: actual cubic feet per minute

scfm: standard cubic feet per minute

%: percent

--: not measured

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TABLE 3
DUAL PHASE EXTRACTION SYSTEM EMISSIONS ANALYTICAL RESULTS
Hare 15
Hilcorp Energy Company
San Juan County, New Mexico

Date	PID (ppm)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	TVPH/GRO (µg/L)	Oxygen (%)	Carbon Dioxide (%)
8/13/2024	1,572	310	240	36	530	45,000	12.01	7.68
8/14/2024	1,915	180	250	30	390	28,000	16.73	3.02
8/21/2024	1,838	54	280	37	480	18,000	20.46	0.95
8/28/2024	2,020	20	160	28	380	12,000	21.20	0.64
9/4/2024	495	14	100	14	190	6,600	21.57	0.33
9/19/2024	1,004	69	360	*<50*	590	3,700	21.78	0.28
10/1/2024	135	6.1	31	*<5.0*	56	64	21.47	0.40
10/16/2024	389	2.3	10	0.68	11	18	21.65	0.23
11/15/2024	--	1.3	1.9	*<0.50*	<0.75	440	19.33	0.19
11/27/2024	378	4.4	24	*<5.0*	78	2,100	22.01	0.16
12/5/2024	276	1.1	1.8	*<0.50*	0.92	440	21.80	0.16
2/6/2025	67	0.63	6.2	0.59	13	530	21.96	0.18
4/11/2025	292	1.2	3.3	0.67	25	960	21.78	0.38
4/29/2025	658	0.78	4.6	0.75	20	810	21.41	0.22
6/10/2025	48	0.91	10	0.90	14	500	21.97	0.16

Notes:

GRO: gasoline range organics
µg/L: microgram per liter
PID: photoionization detector
ppm: parts per million
TVPH: total volatile petroleum hydrocarbons
%: percent
--: not sampled
Grey: Result below laboratory reporting limit

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TABLE 4
DUAL PHASE EXTRACTION SYSTEM MASS REMOVAL AND EMISSIONS
Hare 15
Hilcorp Energy Company
San Juan County, New Mexico

Laboratory Analysis

Date	PID (ppm)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	TVPH (µg/L)
8/13/2024	1,572	310	240	36	530	45,000
8/14/2024	1,915	180	250	30	390	28,000
8/21/2024	1,838	54	280	37	480	18,000
8/28/2024	2,020	20	160	28	380	12,000
9/4/2024	495	14	100	14	190	6,600
9/19/2024	1,004	69	360	*<50*	590	3,700
10/1/2024	135	6.1	31	*<5.0*	56	64
10/16/2024	389	2.3	10	0.68	11	18
11/15/2024	--	1.3	1.9	*<0.50*	*<0.75*	440
11/27/2024	378	4.4	24.0	*<5.0*	78	2,100
12/5/2024	276	1.1	1.8	*<0.50*	0.92	440
2/6/2025	67	0.6	6.2	*<0.59*	13.00	530
4/11/2025	292	1.2	3.3	0.67	25	960
4/29/2025	658	0.78	4.6	0.75	20	810
6/10/2025	48	0.91	10	0.90	14	500
Average	792	44	99	14	185	7,944

Vapor Extraction Summary

Date	Flow Rate (scfm)	Total System Flow (cf)	Delta Flow (cf)	Benzene (lb/hr)	Toluene (lb/hr)	Ethylbenzene (lb/hr)	Total Xylenes (lb/hr)	TVPH (lb/hr)
8/13/2024	127	0	0	0.1472	0.1140	0.0171	0.2517	21.37
8/14/2024	127	150,114	150,114	0.0855	0.1187	0.0142	0.1852	13.30
8/21/2024	120	1,346,034	1,195,920	0.0242	0.1257	0.0166	0.2154	8.08
8/28/2024	136	2,681,010	1,334,976	0.0102	0.0814	0.0142	0.1933	6.10
9/4/2024	157	4,251,324	1,570,314	0.0082	0.0587	0.0082	0.1116	3.88
9/19/2024	149	7,457,208	3,205,884	0.0385	0.2006	0.0279	0.3288	2.06
10/1/2024	169	9,000,516	1,543,308	0.0039	0.0196	0.0032	0.0354	0.04
10/16/2024	204	13,408,140	4,407,624	0.0018	0.0075	0.0005	0.0084	0.01
11/15/2024[1]	202	21,629,136	8,220,996	0.0010	0.0014	0.0004	0.0006	0.33
11/27/2024	139	23,828,394	2,199,258	0.0023	0.0125	0.0026	0.0406	1.09
12/5/2024	143	25,460,310	1,631,916	0.0006	0.0010	0.0003	0.0005	0.24
2/6/2025	114	35,297,598	9,837,288	0.0003	0.0026	0.0003	0.0055	0.23
4/11/2025	105	41,310,948	6,013,350	0.0005	0.0013	0.0003	0.0098	0.38
4/29/2025[2]	105	43,815,828	2,504,880	0.0003	0.0018	0.0003	0.0079	0.32
6/10/2025	85	48,686,838	4,871,010	0.0003	0.0032	0.0003	0.0045	0.16
			Average	0.0216	0.050	0.0071	0.093	3.84

Mass Recovery

Date	Total SVE System Hours	Delta Hours	Benzene (pounds)	Toluene (pounds)	Ethylbenzene (pounds)	Total Xylenes (pounds)	TVPH (pounds)	TVPH (tons)
8/13/2024	4	0.0	0.0	0.0	0.0	0.0	0.0	0.00
8/14/2024	24	20	1.7	2.3	0.3	3.6	262.0	0.13
8/21/2024	190	166	4.0	20.9	2.8	35.8	1341.9	0.67
8/28/2024	354	164	1.7	13.3	2.3	31.6	998.6	0.50
9/4/2024	520	167	1.4	9.8	1.4	18.6	646.0	0.32
9/19/2024	879	359	13.8	71.9	10.0	117.9	739.4	0.37
10/1/2024	1,031	152	0.6	3.0	0.5	5.4	6.2	0.00
10/16/2024	1,391	360	0.6	2.7	0.2	3.0	4.9	0.00
11/15/2024	2,070	678	0.7	1.0	0.3	0.4	225.5	0.11
11/27/2024	2,333	264	0.6	3.3	0.7	10.7	287.9	0.14
12/5/2024	2,523	190	0.1	0.2	0.1	0.1	44.8	0.02
2/6/2025	3,962	1,438	0.4	3.8	0.4	8.0	325.0	0.16
4/11/2025	4,916	955	0.4	1.2	0.3	9.4	359.8	0.18
4/29/2025	5,314	398	0.1	0.7	0.1	3.1	126.5	0.06
6/10/2025	6,269	955	0.3	3.0	0.3	4.3	151.8	0.08
		Total Mass Recovery to Date	26	137	19	252	5,520	2.76

Notes:

cf: cubic feet
cfm: cubic feet per minute
µg/L: micrograms per liter
lb/hr: pounds per hour
--: not sampled
PID: photoionization detector
ppm: parts per million
TVPH: total volatile petroleum hydrocarbons
Grey: Laboratory reporting limit used to estimate mass removal
(1): Flow rate and hours from 11/14/24 applied to analytical data from 11/15/24
(2): Flow rate based on 4/11/25 data

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TABLE 5
LIQUID RECOVERY
Hare 15
Hilcorp Energy Company
San Juan County, New Mexico

Date/Time	Hour Meter Reading	Flow Meter Reading (gal)	Gallons Recovered this Period	Cumulative Volume Recovered (gal)	Time Period (hr:min:sec)	Time Period (min)	Recovery Rate		Notes
							(gpm)	(gal/day)	
8/12/2024	System Startup								
8/20/2024	Totalizer Installed								
8/21/2024	189.7	--	--	--	--	--	--	--	
8/28/2024	352.6	4,680	4,680	4,680	168:45:00	10,125	0.46	666	
9/4/2024	520.3	9,057	4,378	9,057	168:25:00	10,105	0.43	624	
9/11/2024	687.4	13,093	4,035	13,093	153:30:00	9,210	0.44	631	
9/19/2024	878.9	17,197	4,105	17,197	192:00:00	11,520	0.36	513	
9/25/2024	970.3	20,511	3,313	20,511	157:58:00	9,478	0.35	503	
10/1/2024	1,031.1	22,652	2,142	22,652	130:02:00	7,802	0.27	395	
10/16/2024	1,391	23,665	1,013	23,665	360:00:00	21,600	0.05	68	
10/23/2024	NR	NR	NR	NR	168:00:00	10,080	NR	NR	
11/6/2024	1,880	32,212	8,546	32,212	336:00:00	20,160	0.42	610	
11/14/2024(1)	2,070	35,998	3,786	35,998	--	--	--	--	
11/27/2024(1)	2,333	38,388	6,176	38,388	--	--	--	--	
12/5/2024(1)	2,523	38,388	0	38,388	--	--	--	--	
12/11/2024(1)	2,605	38,398	10	38,398	--	--	--	--	
12/18/2024(1)	2,774	38,398	0	38,398	--	--	--	--	
12/30/2024(1)	3,050	38,398	0	38,398	--	--	--	--	
1/8/2025(1)	3,263	38,388	-10	38,388	--	--	--	--	
1/25/2025(1)	3,673	38,390	3	38,390	--	--	--	--	
2/6/2025(1)	3,962	38,390	0	38,390	--	--	--	--	
2/21/2025(1)	4,321	38,390	0	38,390	--	--	--	--	
2/28/2025(2)	4,489	141	0	38,390	--	--	--	--	Totalizer Replaced
3/11/2025	4,751	9,994,755	--	--	--	--	--	--	Totalizer Running Backward
3/31/2025	System Off								
4/11/2025	4,916	9,980,774	--	--	--	--	--	--	Totalizer Running Backward
5/9/2025	5,502	9,984,396	3,622	42,013	672:00:00	40,320	0.09	129	
5/21/2025	5,792	9,984,996	600	42,613	288:00:00	17,280	0.03	50	
6/10/2025	6,269	9,984,996	0	42,613	480:00:00	28,800	0.00	0	Totalizer Not Functioning
6/26/2025	6,649	9,984,996	0	42,613	384:00:00	23,040	0.00	0	

Notes:

**: totalizing meter installed on 8/16/2024*

bbl: barrel
ft: feet
gal: gallon
gal/day: gallon per day
gpm: gallon per minute
hr: hour
in: inch
min: minute
sec: second
Dashed line indicated quarter change
--: not applicable
NR: Not recorded
(1) Totalizer not functioning
(2) Totalizer replaced

Total Quantity of Liquid Removed:	42,613 Gal
	1,015 bbl

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TABLE 6
GROUNDWATER ELEVATION
Hare 15
Hilcorp Energy Company
San Juan County, New Mexico

Well Number	Top of Casing Elevation (feet AMSL)	Total Depth (feet)	Date	Depth to Groundwater (feet BTOC)	Depth to Product (feet BTOC)	Product Thickness (feet)	Groundwater Elevation (feet AMSL)
MW01	5,817.82	27.60	9/22/2020	26.48	--	--	5,791.34
			10/2/2020	26.48	--	--	5,791.34
			10/7/2020	26.46	--	--	5,791.36
			2/17/2021	26.42	--	--	5,791.40
			9/27/2021	26.45	--	--	5,791.37
			1/7/2022	26.40	--	--	5,791.42
			4/22/2022	26.44	--	--	5,791.38
			9/8/2022	26.36	--	--	5,791.46
			12/9/2022	26.25	--	--	5,791.57
			3/9/2023	26.31	--	--	5,791.51
			5/2/2023	26.29	--	--	5,791.53
			8/30/2023	26.23	--	--	5,791.59
			11/30/2023	26.23	--	--	5,791.59
			2/15/2024	26.33	--	--	5,791.49
			6/3/2024	26.32	--	--	5,791.50
			11/21/2024	DRY	--	--	--
			5/1/2025	24.83	--	--	5,792.99
MW02	5,817.36	37.10	9/22/2020	DRY	--	--	--
			10/2/2020	37.02 (1)	--	--	--
			10/7/2020	DRY	--	--	--
			2/17/2021	37.09 (1)	--	--	--
			9/27/2021	DRY	--	--	--
			1/7/2022	DRY	--	--	--
			9/8/2022	DRY	--	--	--
			12/9/2022	DRY	--	--	--
			3/9/2023	DRY	--	--	--
			5/2/2023	DRY	--	--	--
			8/30/2023	DRY	--	--	--
			11/30/2023	DRY	--	--	--
			2/15/2024	DRY	--	--	--
			6/3/2024	DRY	--	--	--
			11/21/2024	DRY	--	--	--
			5/1/2025	DRY	--	--	--
MW03	5,817.81	37.55	9/22/2020	27.85	27.14	0.71	5,790.53
			10/2/2020	30.62	27.16	3.46	5,789.96
			10/7/2020	29.90	27.14	2.76	5,790.12
			2/17/2021	28.01	27.42	0.59	5,790.27
			9/27/2021	27.45	27.31	0.14	5,790.47
			11/24/2021	27.48	27.32	0.16	5,790.46
			1/7/2022	27.42	27.31	0.11	5,790.48
			4/22/2022	27.66	27.58	0.08	5,790.21
			9/8/2022	27.45	27.35	0.10	5,790.44
			12/9/2022	25.24	25.14	0.10	5,792.65
			3/9/2023	27.14	27.05	0.09	5,790.74
			5/2/2023	27.20	27.08	0.12	5,790.71
			8/30/2023	27.16	--	--	5,790.65
			11/30/2023	28.13	--	--	5,789.68
			2/15/2024	27.13	27.10	0.03	5,790.70
			6/3/2024	27.13	27.12	0.01	5,790.69
			11/21/2024	27.63	Sheen	--	5,790.18
			5/1/2025	28.47	Sheen	--	5,789.34

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TABLE 6
GROUNDWATER ELEVATION
Hare 15
Hilcorp Energy Company
San Juan County, New Mexico

MW04A	5,818.23	36.58	9/22/2020	27.58	27.56	0.02	5,790.67
			10/2/2020	29.39	27.56	1.83	5,790.30
			10/7/2020	28.08	27.57	0.51	5,790.56
			2/17/2021	27.96	27.66	0.30	5,790.51
			9/27/2021	28.15	27.90	0.25	5,790.28
			11/24/2021	28.22	27.92	0.30	5,790.25
			1/7/2022	28.04	27.85	0.19	5,790.34
			4/22/2022	28.06	27.88	0.18	5,790.31
			9/8/2022	27.89	27.77	0.12	5,790.44
			12/9/2022	27.87	27.74	0.13	5,790.46
			3/9/2023	27.81	27.75	0.06	5,790.47
			5/2/2023	28.11	27.97	0.14	5,790.23
			8/30/2023	27.91	--	--	5,790.32
			11/30/2023	27.91	--	--	5,790.32
			2/15/2024	27.96	27.93	0.03	5,790.29
			6/3/2024	28.00	27.98	0.02	5,790.25
			11/21/2024	28.89	Sheen	--	5,789.34
			5/1/2025	33.39	Sheen	--	5,784.84
MW04B	5,818.22	17.30	9/22/2020	DRY	--	--	--
			10/2/2020	DRY	--	--	--
			10/7/2020	DRY	--	--	--
			2/17/2021	DRY	--	--	--
			9/27/2021	DRY	--	--	--
			1/7/2022	DRY	--	--	--
			9/8/2022	DRY	--	--	--
			12/9/2022	DRY	--	--	--
			3/9/2023	DRY	--	--	--
			5/2/2023	DRY	--	--	--
			8/30/2023	DRY	--	--	--
			11/30/2023	DRY	--	--	--
MW06	5,818.28	32.30	9/22/2020	27.71	--	--	5,790.57
			10/2/2020	27.70	--	--	5,790.58
			10/7/2020	27.67	--	--	5,790.61
			2/17/2021	27.75	--	--	5,790.53
			9/27/2021	27.75	--	--	5,790.53
			1/7/2022	26.73	--	--	5,791.55
			9/8/2022	27.77	--	--	5,790.51
			12/9/2022	27.75	--	--	5,790.53
			3/9/2023	27.76	--	--	5,790.52
			5/2/2023	27.79	--	--	5,790.49
			8/30/2023	28.75	--	--	5,789.53
			11/30/2023	27.74	--	--	5,790.54
			2/16/2024	27.78	--	--	5,790.50
			5/31/2024	27.86	--	--	5,790.42
			11/21/2024	28.19	--	--	5,790.09
			5/1/2025	27.37	--	--	5,790.91
MW07	5,818.64	30.45	9/22/2020	28.77	28.01	0.76	5,790.48
			10/2/2020	28.52	28.03	0.49	5,790.51
			10/7/2020	28.69	28.16	0.53	5,790.37
			2/17/2021	28.33	Sheen	--	5,790.31
			9/27/2021	28.29	28.22	0.07	5,790.41
			11/24/2021	28.25	28.21	0.04	5,790.42
			1/7/2022	28.23	Sheen	--	5,790.41
			4/22/2022	28.52	28.17	0.35	5,790.40
			9/8/2022	28.40	Sheen	--	5,790.24
			12/9/2022	28.37	28.17	0.20	5,790.43
			3/9/2023	28.46	Sheen	--	5,790.18
			5/2/2023	28.62	28.40	0.22	5,790.20

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TABLE 6
GROUNDWATER ELEVATION
Hare 15
Hilcorp Energy Company
San Juan County, New Mexico

MW07	5,818.64	30.45	8/30/2023	28.37	--	--	5,790.27
			11/30/2023	28.37	--	--	5,790.27
			2/15/2024	28.40	--	--	5,790.24
			5/31/2024	28.40	28.39	0.01	5,790.25
			11/21/2024	29.12	Sheen	--	5,789.52
			5/1/2025	29.02	Sheen	--	5,789.62
MW08	5,817.40	37.27	9/22/2020	DRY	--	--	--
			10/2/2020	DRY	--	--	--
			10/7/2020	DRY	--	--	--
			2/17/2021	36.72 (1)	--	--	--
			9/27/2021	36.89 (1)	--	--	--
			1/7/2022	DRY	--	--	--
			9/8/2022	36.80 (1)	--	--	--
			12/9/2022	36.81(1)	--	--	--
			3/9/2023	36.75 (1)	--	--	--
			5/2/2023	36.85 (1)	--	--	--
			8/30/2023	36.98 (1)	--	--	--
			11/30/2023	37.18 (1)	--	--	--
			2/15/2024	35.87 (1)	--	--	--
			6/3/2024	35.83 (1)	--	--	--
			11/21/2024	34.60 (1)	--	--	--
			5/1/2025	DRY	--	--	--
MW09	5,818.61	32.30	9/22/2020	28.10	--	--	5,790.51
			10/2/2020	30.71	--	--	5,787.90
			10/7/2020	29.72	--	--	5,788.89
			2/17/2021	28.15	--	--	5,790.46
			9/27/2021	28.17	--	--	5,790.44
			1/7/2022	28.22	--	--	5,790.39
			4/22/2022	28.20	--	--	5,790.41
			9/8/2022	28.23	--	--	5,790.38
			12/9/2022	28.09	--	--	5,790.52
			3/9/2023	28.08	--	--	5,790.53
			5/2/2023	28.12	--	--	5,790.49
			8/30/2023	27.97	--	--	5,790.64
			11/30/2023	27.95	--	--	5,790.66
			2/15/2024	28.05	--	--	5,790.56
			6/3/2024	28.12	--	--	5,790.49
			11/21/2024	29.47	--	--	5,789.14
			5/1/2025	29.31	--	--	5,789.30
MW10	5,819.73	32.60	9/22/2020	30.23	29.22	1.01	5,790.31
			10/2/2020	29.74	29.29	0.45	5,790.35
			10/7/2020	29.80	29.21	0.59	5,790.40
			2/17/2021	30.23	29.49	0.74	5,790.09
			9/27/2021	29.65	29.37	0.28	5,790.30
			11/24/2022	29.60	29.39	0.21	5,790.30
			1/7/2022	29.50	29.42	0.08	5,790.29
			4/22/2022	29.55	--	--	5,790.18
			9/8/2022	29.45	Sheen	--	5,790.28
			12/9/2022	29.44	--	--	5,790.29
			3/9/2023	29.46	Sheen	--	5,790.27
			5/2/2023	29.40		--	5,790.33
			8/30/2023	29.47	--	--	5,790.26
			11/30/2023	29.31	--	--	5,790.42
			2/15/2024	29.56	--	--	5,790.17
			6/3/2024	29.53	--	--	5,790.20
			11/21/2024	29.20	--	--	5,790.53
			5/1/2025	28.68	Sheen	--	5,791.05

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Hilcorp Energy Company
San Juan County, New Mexico

MW11	5,819.37	32.57	9/22/2020	29.01	--	--	5,790.36
			10/2/2020	29.02	--	--	5,790.35
			10/7/2020	28.91	--	--	5,790.46
			2/17/2021	29.00	--	--	5,790.37
			9/27/2021	28.97	--	--	5,790.40
			1/7/2022	28.98	--	--	5,790.39
			4/22/2022	28.99	--	--	5,790.38
			9/8/2022	29.01	--	--	5,790.36
			12/9/2022	28.98	--	--	5,790.39
			3/9/2023	29.00	--	--	5,790.37
			5/2/2023	29.01	29.00	0.01	5,790.37
			8/30/2023	28.71	--	--	5,790.66
			11/30/2023	28.70	--	--	5,790.67
			2/15/2024	28.77	28.74	0.03	5,790.62
			6/3/2024	28.78	--	--	5,790.59
			11/21/2024	29.35	--	--	5,790.02
			5/1/2025	29.27	--	--	5,790.10
MW13	5,818.06	32.60	9/22/2020	27.81	27.43	0.38	5,790.55
			10/2/2020	27.80	27.44	0.36	5,790.55
			10/7/2020	27.81	27.42	0.39	5,790.56
			2/17/2021	27.79	27.64	0.15	5,790.39
			9/27/2021	27.68	27.57	0.11	5,790.47
			11/24/2021	27.70	27.57	0.13	5,790.46
			1/7/2022	27.66	27.58	0.08	5,790.46
			4/22/2022	27.70	27.58	0.12	5,790.46
			9/8/2022	27.69	27.60	0.09	5,790.44
			12/9/2022	27.66	27.58	0.08	5,790.46
			3/9/2023	27.67	27.58	0.09	5,790.46
			5/2/2023	27.75	27.59	0.16	5,790.44
			8/30/2023	27.29	27.18	0.11	5,790.86
			11/30/2023	27.32	--	--	5,790.74
			2/15/2024	27.29	27.24	0.05	5,790.81
			6/3/2024	27.30	27.29	0.01	5,790.77
			11/21/2024	26.43	Sheen	--	5,791.63
			5/1/2025	27.73	Sheen	--	5,790.33
MW14	5,821.30	33.83	2/17/2021	33.78	--	--	5,787.52
			9/27/2021	30.94	--	--	5,790.36
			1/7/2022	30.99	--	--	5,790.31
			9/8/2022	30.96	--	--	5,790.34
			12/9/2022	30.91	--	--	5,790.39
			3/9/2023	30.99	--	--	5,790.31
			5/2/2023	31.60	--	--	5,789.70
			8/30/2023	31.34	--	--	5,789.96
			11/30/2023	30.79	--	--	5,790.51
			2/16/2024	31.03	--	--	5,790.27
			5/30/2024	32.90	--	--	5,788.40
			11/21/2024	DRY	--	--	--
			5/1/2025	DRY	--	--	--
MW15	5,823.34	35.62	2/17/2021	33.27	33.11	0.16	5,790.20
			9/27/2021	33.65	33.05	0.60	5,790.17
			1/7/2022	33.44	33.33	0.11	5,789.99
			4/22/2022	33.33	--	--	5,790.01
			9/8/2022	32.23	Sheen	--	5,791.11
			12/9/2022	33.22	--	--	5,790.12
			3/9/2023	33.21	Sheen	--	5,790.13
			5/2/2023	33.25	Sheen	--	5,790.09
			8/30/2023	33.75	--	--	5,789.59
			11/30/2023	33.32	--	--	5,790.02

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MW15	5,823.34	35.62	2/16/2024	33.42	--	--	5,789.92
			6/3/2024	33.49	--	--	5,789.85
			11/21/2024	30.07	Sheen	--	5,793.27
			5/1/2025	29.69	Sheen	--	5,793.65
MW16	5,821.55	37.05	2/17/2021	32.20	31.67	0.53	5,789.77
			9/27/2021	31.71	31.18	0.53	5,790.26
			1/7/2022	31.65	31.24	0.41	5,790.23
			4/22/2022	31.56	31.19	0.37	5,790.29
			9/8/2022	31.64	31.21	0.43	5,790.25
			12/9/2022	31.64	31.25	0.39	5,790.22
			3/9/2023	31.56	31.22	0.34	5,790.26
			5/2/2023	31.62	31.25	0.37	5,790.23
			8/30/2023	31.60	31.28	0.32	5,790.21
			11/30/2023	31.28	--	--	5,790.27
			2/15/2024	31.58	31.26	0.32	5,790.23
			6/3/2024	31.31	--	--	5,790.24
			11/21/2024	29.19	Sheen	--	5,792.36
			5/1/2025	28.80	Sheen	--	5,792.75
MW18	5,821.35	32.54	2/17/2021	DRY	--	--	--
			9/27/2021	DRY	--	--	--
			1/7/2022	DRY	--	--	--
			4/22/2022	DRY	--	--	--
			9/8/2022	DRY	--	--	--
			12/9/2022	31.86 (1)	--	--	--
			3/9/2023	DRY	--	--	--
			5/2/2023	32.10 (1)	--	--	--
			8/30/2023	DRY	--	--	--
			11/30/2023	DRY	--	--	--
			2/16/2024	31.32 (1)	--	--	--
			6/3/2024	32.12 (1)	--	--	--
			11/21/2024	DRY	--	--	--
			5/1/2025	DRY	--	--	--
MW19	5,825.06	43.50	2/17/2021	34.93	--	--	5,790.13
			9/27/2021	34.93	--	--	5,790.13
			1/7/2021	34.93	--	--	5,790.13
			4/22/2022	34.88	--	--	5,790.18
			9/8/2022	34.93	--	--	5,790.13
			12/9/2022	34.94	--	--	5,790.12
			3/9/2023	34.91	--	--	5,790.15
			5/2/2023	34.96	--	--	5,790.10
			8/30/2023	34.98	--	--	5,790.08
			11/30/2023	34.93	--	--	5,790.13
			2/16/2024	34.97	--	--	5,790.09
			5/30/2024	34.98	--	--	5,790.08
			11/21/2024	35.98	--	--	5,789.08
			5/1/2025	NA	--	--	--
MW20	5,820.60	40.13	2/17/2021	30.36	--	--	5,790.24
			9/27/2021	30.38	--	--	5,790.22
			1/7/2022	30.35	--	--	5,790.25
			4/22/2022	30.33	--	--	5,790.27
			9/8/2022	30.38	--	--	5,790.22
			12/9/2022	30.38	--	--	5,790.22
			3/9/2023	30.35	--	--	5,790.25
			5/2/2023	30.40	--	--	5,790.20
			8/30/2023	30.42	--	--	5,790.18
			11/30/2023	30.45	--	--	5,790.15
			2/15/2024	30.38	--	--	5,790.22
			5/31/2024	30.43	--	--	5,790.17

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MW20	5,820.60	40.13	11/21/2024	31.51	--	--	5,789.09
			5/1/2025	31.19	--	--	5,789.41
MW21	5,820.72	36.24	5/21/2021	35.88 (1)	--	--	--
			9/27/2021	36.19 (1)	--	--	--
			4/22/2022	36.17 (1)	--	--	--
			9/8/2022	36.16 (1)	--	--	--
			12/9/2022	DRY	--	--	--
			3/9/2023	DRY	--	--	--
			5/2/2023	DRY	--	--	--
			8/30/2023	DRY	--	--	--
			11/30/2023	DRY	--	--	--
			2/15/2024	DRY	--	--	--
			5/31/2024	DRY	--	--	--
			11/21/2024	DRY	--	--	--
			5/1/2025	DRY	--	--	--
MW22	5,826.83	42.95	5/21/2021	36.78	--	--	5,790.05
			9/27/2021	36.81	--	--	5,790.02
			4/22/2022	36.72	--	--	5,790.11
			9/8/2022	36.79	--	--	5,790.04
			12/9/2022	36.81	--	--	5,790.02
			3/9/2023	36.77	--	--	5,790.06
			5/2/2023	36.84	--	--	5,789.99
			8/30/2023	36.85	--	--	5,789.98
			11/30/2023	36.88	--	--	5,789.95
			2/15/2024	36.81	--	--	5,790.02
			5/31/2024	36.86	--	--	5,789.97
			11/21/2024	37.86	--	--	5,788.97
			5/1/2025	37.53	--	--	5,789.30
MW23	5,829.60	44.78	5/21/2021	40.38	--	--	5,789.22
			9/27/2021	39.45	--	--	5,790.15
			4/22/2022	39.38	--	--	5,790.22
			9/8/2022	39.45	--	--	5,790.15
			12/9/2022	39.47	--	--	5,790.13
			3/9/2023	39.43	--	--	5,790.17
			5/2/2023	39.50	--	--	5,790.10
			8/30/2023	39.33	--	--	5,790.27
			11/30/2023	39.46	--	--	5,790.14
			2/16/2024	39.49	--	--	5,790.11
			5/30/2024	39.51	--	--	5,790.09
			11/21/2024	40.51	--	--	5,789.09
			5/2/2025	40.21	--	--	5,789.39
MW24	5,826.76	41.39	5/21/2021	36.35	--	--	5,790.41
			9/27/2021	36.40	--	--	5,790.36
			9/8/2022	36.36	--	--	5,790.40
			12/9/2022	36.41	--	--	5,790.35
			3/9/2023	36.37	--	--	5,790.39
			5/2/2023	36.42	--	--	5,790.34
			8/30/2023	36.45	--	--	5,790.31
			11/30/2023	36.38	--	--	5,790.38
			2/16/2024	36.24	--	--	5,790.52
			5/30/2024	36.43	--	--	5,790.33
			11/21/2024	DRY	--	--	--
			5/2/2025	DRY	--	--	--

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GROUNDWATER ELEVATION
Hare 15
Hilcorp Energy Company
San Juan County, New Mexico

MW25	5,819.84	40.40	5/21/2021	40.02 (1)	--	--	--
			9/27/2021	DRY	--	--	--
			4/22/2022	40.30 (1)	--	--	--
			9/8/2022	40.25 (1)	--	--	--
			12/9/2022	40.26 (1)	--	--	--
			3/9/2023	DRY	--	--	--
			5/2/2023	DRY	--	--	--
			8/30/2023	DRY	--	--	--
			11/30/2023	DRY	--	--	--
			2/15/2024	DRY	--	--	--
			5/30/2024	DRY	--	--	--
			11/21/2024	DRY	--	--	--
			5/2/2025	DRY	--	--	--
MW26	5,822.35	40.52	5/21/2021	32.58	--	--	5,789.77
			9/27/2021	32.57	--	--	5,789.78
			4/22/2022	32.49	--	--	5,789.86
			9/8/2022	32.57	--	--	5,789.78
			12/9/2022	32.56	--	--	5,789.79
			3/9/2023	32.52	--	--	5,789.83
			5/2/2023	32.58	--	--	5,789.77
			8/30/2023	32.70	--	--	5,789.65
			11/30/2023	32.63	--	--	5,789.72
			2/15/2024	32.58	--	--	5,789.77
			5/31/2024	32.60	--	--	5,789.75
			11/21/2024	33.16	--	--	5,789.19
			5/2/2025	33.15	--	--	5,789.20
MW27	5,818.56	40.60	9/27/2021	40.46 (1)	--	--	--
			4/22/2022	39.48 (1)	--	--	--
			9/8/2022	39.95 (1)	--	--	--
			12/9/2022	39.96 (1)	--	--	--
			3/9/2023	DRY	--	--	--
			5/2/2023	39.90 (1)	--	--	--
			8/30/2023	40.01 (1)	--	--	--
			11/30/2023	40.03 (1)	--	--	--
			2/15/2024	39.98 (1)	--	--	--
			5/31/2024	39.93 (1)	--	--	--
			11/21/2024	40.03 (1)	--	--	--
			5/2/2025	40.40 (1)	--	--	--
MW28	5,815.12	40.61	9/27/2021	DRY	--	--	--
			4/22/2022	DRY	--	--	--
			9/8/2022	39.95 (1)	--	--	--
			12/9/2022	39.97 (1)	--	--	--
			3/9/2023	DRY	--	--	--
			5/2/2023	DRY	--	--	--
			8/30/2023	DRY	--	--	--
			11/30/2023	DRY	--	--	--
			2/15/2024	DRY	--	--	--
			5/31/2024	DRY	--	--	--
			11/21/2024	DRY	--	--	--
			5/2/2025	DRY	--	--	--

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GROUNDWATER ELEVATION
Hare 15
Hilcorp Energy Company
San Juan County, New Mexico

MW29	5,829.68	48.10	9/27/2021	39.75	--	--	5,789.93
			4/22/2022	39.66	--	--	5,790.02
			9/8/2022	39.73	--	--	5,789.95
			12/9/2022	39.74	--	--	5,789.94
			3/9/2023	39.70	--	--	5,789.98
			5/2/2023	39.75	--	--	5,789.93
			8/30/2023	38.82	--	--	5,790.86
			11/30/2023	39.76	--	--	5,789.92
			2/15/2024	39.37	--	--	5,790.31
			5/30/2024	39.78	--	--	5,789.90
			11/21/2024	40.43	--	--	5,789.25
			5/2/2025	40.35	--	--	5,789.33
MW30	5,834.72	54.74	9/8/2022	44.96	--	--	5,789.76
			12/9/2022	44.91	--	--	5,789.81
			3/9/2023	44.89	--	--	5,789.83
			5/2/2023	44.90	--	--	5,789.82
			8/30/2023	44.98	--	--	5,789.74
			11/30/2023	44.94	--	--	5,789.78
			2/16/2024	44.94	--	--	5,789.78
			5/30/2024	44.96	--	--	5,789.76
			11/22/2024	45.47	--	--	5,789.25
			5/2/2025	45.38	Sheen	--	5,789.34
MW31	5,834.88	53.55	9/8/2022	45.02	--	--	5,789.86
			12/9/2023	44.98	--	--	5,789.90
			3/9/2023	44.94	--	--	5,789.94
			5/2/2023	45.00	--	--	5,789.88
			8/30/2023	45.05	--	--	5,789.83
			11/30/2023	44.97	--	--	5,789.91
			2/16/2024	45.00	--	--	5,789.88
			5/30/2024	45.02	--	--	5,789.86
			11/22/2024	45.58	--	--	5,789.30
			5/2/2025	45.53	--	--	5,789.35
MW32	5,821.84	40.18	9/8/2022	40.04 (1)	--	--	--
			12/9/2022	34.75	--	--	5,787.09
			3/9/2023	34.03	--	--	5,787.81
			5/2/2023	36.45	--	--	5,785.39
			8/30/2023	38.59	--	--	5,783.25
			11/30/2023	DRY	--	--	--
			2/15/2024	DRY	--	--	--
			5/30/2024	DRY	--	--	--
			11/22/2024	DRY	--	--	--
			5/2/2025	DRY	--	--	--
MW33	5,808.24	47.87	9/8/2022	33.51	--	--	5,774.73
			12/9/2022	32.92	--	--	5,775.32
			3/9/2023	32.75	--	--	5,775.49
			5/2/2023	32.72	--	--	5,775.52
			8/30/2023	33.52	--	--	5,774.72
			11/30/2023	33.07	--	--	5,775.17
			2/16/2024	32.79	--	--	5,775.45
			5/31/2024	29.96	--	--	5,778.28
			11/22/2024	33.24	--	--	5,775.00
			5/2/2025	32.89	--	--	5,775.35

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GROUNDWATER ELEVATION
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MW34	5,807.90	43.64	9/8/2022	33.00	--	--	5,774.90
			12/9/2022	32.47	--	--	5,775.43
			3/9/2023	32.29	--	--	5,775.61
			5/2/2023	32.29	--	--	5,775.61
			8/30/2023	33.16	--	--	5,774.74
			11/30/2023	32.71	--	--	5,775.19
			2/16/2024	32.37	--	--	5,775.53
			5/31/2024	32.62	--	--	5,775.28
			11/22/2024	32.82	--	--	5,775.08
			5/2/2025	32.44	--	--	5,775.46
MW35	5,803.64	53.75	9/8/2022	47.22	--	--	5,756.42
			12/9/2022	46.85	--	--	5,756.79
			3/9/2023	46.80	--	--	5,756.84
			5/2/2023	46.78	--	--	5,756.86
			8/30/2023	47.33	--	--	5,756.31
			11/30/2023	47.28	--	--	5,756.36
			2/16/2024	47.17	--	--	5,756.47
			5/31/2024	47.27	--	--	5,756.37
			11/22/2024	47.46	--	--	5,756.18
			5/2/2025	47.35	--	--	5,756.29
MW38	5,835.26	53.12	9/9/2022	45.54	--	--	5,789.72
			12/9/2022	45.54	--	--	5,789.72
			3/9/2023	DRY	--	--	--
			5/2/2023	45.55	--	--	5,789.71
			8/30/2023	45.62	--	--	5,789.64
			11/30/2023	45.57	--	--	5,789.69
			2/16/2024	45.56	--	--	5,789.70
			5/30/2024	45.58	--	--	5,789.68
			11/22/2024	45.04	--	--	5,790.22
			5/2/2025	46.09	--	--	5,789.17

Notes:

(1): water measured in well is not indicative of the perched groundwater aquifer at the Site

AMSL: above mean sea level

BTOC: below top of casing

--: indicates no GWEL or PSH measured

When product is present, the groundwater elevation is corrected using an estimated density correction factor of 0.8

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TABLE 7
GROUNDWATER ANALYTICAL RESULTS
Hare 15
Hilcorp Energy Company
San Juan County, New Mexico

Monitoring Well	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standard		5	1,000	700	620
MW01	2/17/2021	Well Dry			
	9/28/2021	**1,200**	14	9.1	**9,900**
	9/8/2022	Well Dry			
	3/9/2023	**1,900**	<50	400	**7,500**
	5/3/2023	**1,800**	<50	380	**6,400**
	8/30/2023	**2,700**	<50	240	**8,300**
	11/30/2023	**2,600**	<50	290	**4,500**
	2/15/2024	**2,200**	<50	330	**3,100**
	6/3/2024	**1,700**	<50	220	**3,500**
	11/21/2024	Well Dry			
	5/1/2025	Insufficient volume to sample			
MW02	2/17/2021	Well Dry			
	9/28/2021	Well Dry			
	9/8/2022	Well Dry			
	3/9/2023	Well Dry			
	5/2/2023	Well Dry			
	2/15/2024	Well Dry			
	6/3/2024	Well Dry			
	11/21/2024	Well Dry			
	5/1/2025	Well Dry			
MW03	2/17/2021	**No Sample Collected, PSH Present**			
	9/28/2021	**No Sample Collected, PSH Present**			
	9/8/2022	**No Sample Collected, PSH Present**			
	3/9/2023	**No Sample Collected, PSH Present**			
	5/2/2023	**No Sample Collected, PSH Present**			
	2/15/2024	**No Sample Collected, PSH Present**			
	6/3/2024	**No Sample Collected, PSH Present**			
	11/21/2024	**No Sample Collected, PSH Present**			
	5/1/2025	**No Sample Collected, PSH Present**			
MW04A	2/17/2021	**No Sample Collected, PSH Present**			
	9/28/2021	**No Sample Collected, PSH Present**			
	9/8/2022	**No Sample Collected, PSH Present**			
	3/9/2023	**No Sample Collected, PSH Present**			
	5/2/2023	**No Sample Collected, PSH Present**			
	2/15/2024	**No Sample Collected, PSH Present**			
	6/3/2024	**No Sample Collected, PSH Present**			
	11/21/2024	**No Sample Collected, PSH Present**			
	5/1/2025	**No Sample Collected, PSH Present**			

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TABLE 7
GROUNDWATER ANALYTICAL RESULTS
Hare 15
Hilcorp Energy Company
San Juan County, New Mexico

Monitoring Well	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standard		5	1,000	700	620
MW04B	2/17/2021	Well Dry			
	9/28/2021	Well Dry			
	9/8/2022	Well Dry			
	3/9/2023	Well Dry			
	5/2/2023	Well Dry			
	2/15/2024	Well Dry			
	6/3/2024	Well Dry			
	11/21/2024	Well Dry			
	5/1/2025	Well Dry			
MW06	2/17/2021	**110**	7.7	27	48
	9/28/2021	**210**	<5.0	8.0	130
	9/9/2022	**160**	<5.0	<5.0	70
	3/9/2023	**110**	8.2	<5.0	32
	5/3/2023	**70**	<5.0	<5.0	<10
	8/30/2023	<1.0	<1.0	<1.0	<2.0
	11/30/2023	**130**	<2.0	13	310
	2/16/2024	**7**	<5.0	<5.0	<7.5
	5/31/2024	**51**	<5.0	<5.0	7.7
	11/21/2024	<5.0	<5.0	<5.0	<7.5
	5/1/2025	<1.0	<1.0	<1.0	<1.5
MW07	2/17/2021	**No Sample Collected, PSH Present**			
	9/28/2021	**No Sample Collected, PSH Present**			
	9/8/2022	**No Sample Collected, PSH Present**			
	3/9/2023	**No Sample Collected, PSH Present**			
	5/2/2023	**No Sample Collected, PSH Present**			
	2/15/2024	**4,400**	**10,000**	**1,400**	**32,000**
	5/31/2024	**No Sample Collected, PSH Present**			
	11/21/2024	**No Sample Collected, PSH Present**			
	5/1/2025	**No Sample Collected, PSH Present**			
MW08	2/17/2021	Well Dry			
	9/28/2021	Well Dry			
	9/8/2022	Well Dry			
	3/9/2023	Well Dry			
	5/2/2023	Well Dry			
	2/15/2024	**20**	<5.0	13	<7.5
	6/3/2024	**74**	<2.0	58	35
	11/21/2024	Well Dry			
	5/1/2025	Insufficient volume to sample			

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TABLE 7
GROUNDWATER ANALYTICAL RESULTS
Hare 15
Hilcorp Energy Company
San Juan County, New Mexico

Monitoring Well	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standard		5	1,000	700	620
MW09	2/17/2021	**37**	<5.0	99	230
	9/28/2021	**140**	<5.0	200	280
	9/9/2022	**63**	<5.0	48	250
	3/9/2023	**60**	<5.0	180	270
	5/3/2023	**40**	<5.0	110	220
	8/31/2023	**26**	<5.0	100	200
	11/30/2023	**13**	<5.0	73	110
	2/15/2024	**13**	<5.0	68	90
	6/3/2024	**36**	<5.0	100	170
	11/21/2024	Insufficient volume to sample			
	5/1/2025	Insufficient volume to sample			
MW10	2/17/2021	**No Sample Collected, PSH Present**			
	9/28/2021	**No Sample Collected, PSH Present**			
	9/8/2022	**No Sample Collected, PSH Present**			
	3/9/2023	**No Sample Collected, PSH Present**			
	5/2/2023	**No Sample Collected, PSH Present**			
	2/15/2024	**6,900**	**15,000**	**1,500**	**28,000**
	6/3/2024	**6,400**	**13,000**	**1,600**	**29,000**
	11/21/2024	Insufficient volume to sample			
	5/1/2025	**No Sample Collected, PSH Present**			
MW11	2/17/2021	**3,500**	**4,500**	320	**11,000**
	9/28/2021	**3,400**	**7,500**	650	**11,000**
	9/9/2022	**2,800**	**8,200**	630	**11,000**
	3/9/2023	**1,900**	**5,000**	320	**7,800**
	5/2/2023	**No Sample Collected, PSH Present**			
	8/30/2023	**2,900**	**8,600**	460	**14,000**
	11/30/2023	**1,900**	**2,100**	90	**11,000**
	2/15/2024	**No Sample Collected, PSH Present**			
	6/3/2024	**2,300**	**3,900**	290	**14,000**
	11/21/2024	Insufficient volume to sample			
	5/1/2025	Insufficient volume to sample			
MW13	2/17/2021	**No Sample Collected, PSH Present**			
	9/28/2021	**No Sample Collected, PSH Present**			
	9/8/2022	**No Sample Collected, PSH Present**			
	3/9/2023	**No Sample Collected, PSH Present**			
	5/2/2023	**No Sample Collected, PSH Present**			
	2/15/2024	**No Sample Collected, PSH Present**			
	6/3/2024	**No Sample Collected, PSH Present**			
	11/21/2024	**No Sample Collected, PSH Present**			
	5/1/2025	**No Sample Collected, PSH Present**			

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TABLE 7
GROUNDWATER ANALYTICAL RESULTS
Hare 15
Hilcorp Energy Company
San Juan County, New Mexico

Monitoring Well	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standard		5	1,000	700	620
MW14	2/17/2021	Well Dry			
	9/28/2021	**32**	5.2	8.2	120
	9/9/2022	**16**	33	13.0	250
	3/9/2023	**6.3**	10	<5.0	130
	5/3/2023	**9.0**	14	<5.0	130
	8/31/2023	**8.1**	11	<5.0	86
	11/30/2023	**21**	51	9	300
	2/16/2024	**12**	15	3	99
	5/30/2024	3.6	9.8	2	130
	11/21/2024	Well Dry			
	5/1/2025	Well Dry			
MW15	2/17/2021	**No Sample Collected, PSH Present**			
	9/28/2021	**No Sample Collected, PSH Present**			
	9/8/2022	**No Sample Collected, PSH Present**			
	3/9/2023	**No Sample Collected, PSH Present**			
	5/2/2023	**No Sample Collected, PSH Present**			
	2/16/2024	**1,400**	**3,800**	**580**	**22,000**
	6/3/2024	**1,400**	**4,100**	**1,200**	**28,000**
	11/21/2024	**No Sample Collected, PSH Present**			
	5/1/2025	**No Sample Collected, PSH Present**			
MW16	2/17/2021	**No Sample Collected, PSH Present**			
	9/28/2021	**No Sample Collected, PSH Present**			
	9/8/2022	**No Sample Collected, PSH Present**			
	3/9/2023	**No Sample Collected, PSH Present**			
	5/2/2023	**No Sample Collected, PSH Present**			
	2/15/2024	**No Sample Collected, PSH Present**			
	6/3/2024	**No Sample Collected, PSH Present**			
	11/21/2024	**No Sample Collected, PSH Present**			
	5/1/2025	**No Sample Collected, PSH Present**			
MW18	2/17/2021	Well Dry			
	9/28/2021	Well Dry			
	9/8/2022	Well Dry			
	3/9/2023	Well Dry			
	5/2/2023	Well Dry			
	2/16/2024	<2.0	<2.0	<2.0	<3.0
	6/3/2024	Insufficient volume to sample			
	11/21/2024	Well Dry			
	5/1/2025	Well Dry			

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GROUNDWATER ANALYTICAL RESULTS
Hare 15
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Monitoring Well	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standard		5	1,000	700	620
MW19	2/17/2021	**660**	390	520	**2,800**
	9/28/2021	**720**	140	**790**	**1,400**
	9/9/2022	**320**	150	670	**1,300**
	3/9/2023	**310**	74	600	**900**
	5/3/2023	**240**	38	530	**690**
	8/30/2023	**350**	130	680	**1,100**
	11/30/2023	**510**	280	630	**2,400**
	2/16/2024	**640**	310	640	**2,300**
	5/30/2024	**410**	260	530	**2,000**
	11/21/2024	<2.0 P2	<2.0 P2	<2.0 P2	<3.0 P2
	5/1/2025	Well Damaged, Unable to Collect Sample			
MW20	2/17/2021	**12,000**	**15,000**	**1,100**	**10,000**
	9/28/2021	**11,000**	**12,000**	610	**5,100**
	9/9/2022	**11,000**	**14,000**	**1,200**	**9,500**
	3/9/2023	**11,000**	**15,000**	**1,100**	**10,000**
	5/3/2023	**12,000**	**15,000**	**1,100**	**10,000**
	8/30/2023	**13,000**	**20,000**	**1,200**	**13,000**
	12/4/2023	**12,000**	**18,000**	**1,200**	**12,000**
	2/15/2024	**12,000**	**14,000**	**1,200**	**11,000**
	5/31/2024	**14,000**	**19,000**	670	**13,000**
	11/21/2024	**10,000**	**8,100**	**800**	**6,300**
	5/1/2025	**9,700**	**7,300**	<500	**7,100**
MW21	9/28/2021	Well Dry			
	9/8/2022	Well Dry			
	3/9/2023	Well Dry			
	5/2/2023	Well Dry			
	2/15/2024	Well Dry			
	5/31/2024	Well Dry			
	11/21/2024	Well Dry			
	5/1/2025	Well Dry			
MW22	9/28/2021	**2,000**	**1,500**	**890**	**3,000**
	9/9/2022	**640**	230	660	**1,300**
	3/9/2023	**650**	180	640	**880**
	5/2/2023	**610**	150	620	**700**
	8/30/2023	**710**	280	**770**	**750**
	12/4/2023	**620**	180	**740**	**780**
	2/15/2024	**920**	480	**770**	**1,200**
	5/31/2024	**560**	230	**860**	**690**
	11/21/2024	**24**	<5.0	110	<7.5
	5/1/2025	2.1	<2.0	53	<3.0

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TABLE 7
GROUNDWATER ANALYTICAL RESULTS
Hare 15
Hilcorp Energy Company
San Juan County, New Mexico

Monitoring Well	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standard		5	1,000	700	620
MW23	9/28/2021	<2.0	<2.0	<2.0	<3.0
	9/9/2022	<2.0	<2.0	<2.0	<4.0
	3/9/2023	<2.0	<2.0	<2.0	<4.0
	5/2/2023	<2.0	<2.0	<2.0	<4.0
	8/30/2023	<2.0	<2.0	<2.0	<4.0
	11/30/2023	<2.0	<2.0	<2.0	<3.0
	2/16/2024	<2.0	<2.0	<2.0	<3.0
	5/30/2024	<2.0	<2.0	<2.0	<3.0
	11/22/2024	<2.0	<2.0	<2.0	<3.0
	5/2/2025	<1.0	<1.0	<1.0	<1.5
MW24	9/28/2021	<2.0	<2.0	<2.0	<3.0
	9/8/2022	<1.0	<1.0	<1.0	<2.0
	3/9/2023	<1.0	<1.0	<1.0	<2.0
	5/2/2023	<1.0	<1.0	<1.0	<2.0
	8/30/2023	<1.0	<1.0	<1.0	<2.0
	11/30/2023	<1.0	<1.0	<1.0	<1.5
	2/16/2024	<2.0	<2.0	<2.0	<3.0
	5/30/2024	<1.0	<1.0	<1.0	<1.5
	11/21/2024	Well Dry			
	5/1/2025	Well Dry			
MW25	9/28/2021	Well Dry			
	9/8/2022	Well Dry			
	3/9/2023	Well Dry			
	5/2/2023	Well Dry			
	2/15/2024	Well Dry			
	5/30/2024	Well Dry			
	11/21/2024	Well Dry			
	5/1/2025	Well Dry			
MW26	9/28/2021	**9,700**	**24,000**	**830**	**11,000**
	9/9/2022	**11,000**	**27,000**	**850**	**11,000**
	3/9/2023	**10,000**	**28,000**	**820**	**11,000**
	5/2/2023	**11,000**	**29,000**	**840**	**12,000**
	8/30/2023	**12,000**	**31,000**	**810**	**12,000**
	11/29/2023	**10,000**	**25,000**	**730**	**9,800**
	2/15/2024	**11,000**	**26,000**	**740**	**11,000**
	5/31/2024	**13,000**	**32,000**	**970**	**13,000**
	11/21/2024	**13,000**	**31,000**	**810**	**12,000**
	5/2/2025	**11,000**	**25,000**	**740**	**9,900**

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GROUNDWATER ANALYTICAL RESULTS
Hare 15
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Monitoring Well	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standard		5	1,000	700	620
MW27	9/28/2021	Well Dry			
	9/8/2022	Well Dry			
	3/9/2023	Well Dry			
	5/2/2023	Well Dry			
	2/15/2024	Well Dry			
	5/31/2024	Insuffiecient volume to sample			
	11/21/2024	Insuffiecient volume to sample			
	5/1/2025	Insuffiecient volume to sample			
MW28	9/28/2021	Well Dry			
	9/8/2022	Well Dry			
	3/9/2023	Well Dry			
	5/2/2023	Well Dry			
	2/15/2024	Well Dry			
	5/31/2024	Well Dry			
	11/21/2024	Well Dry			
	5/1/2025	Well Dry			
MW29	9/28/2021	**12**	5.9	17	34
	9/9/2022	4.1	3.9	34	7.9
	3/9/2023	<1.0	<1.0	50	2.3
	5/2/2023	<1.0	<1.0	30	<2.0
	8/30/2023	<1.0	<1.0	35	<2.0
	11/29/2023	3.0	3.2	45	8.8
	2/15/2024	<2.0	<2.0	<2.0	<3.0
	5/30/2024	<1.0	<1.0	45	<1.5
	11/21/2024	<2.0	<2.0	<2.0	<3.0
	5/2/2025	<1.0	<1.0	<1.0	<1.5
MW30	9/8/2022	**1,900**	**8,500**	**1,000**	**13,000**
	3/9/2023	**680**	**1,700**	**1,000**	**10,000**
	5/2/2023	**580**	990	**930**	**7,500**
	8/30/2023	**390**	190	**1,100**	**8,800**
	11/29/2023	**420**	150	**980**	**7,800**
	2/16/2024	**50**	<50	85	570
	5/30/2024	**760**	200	**1,200**	**9,600**
	11/22/2024	**460**	30	**990**	**5,400**
	5/1/2025	**No Sample Collected, PSH Present**			

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Monitoring Well	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standard		5	1,000	700	620
MW31	9/8/2022	<2.0	<2.0	<2.0	<4.0
	3/9/2023	<2.0	<2.0	<2.0	<4.0
	5/2/2023	<1.0	<1.0	<1.0	<2.0
	8/30/2023	<2.0	<2.0	<2.0	<4.0
	11/29/2023	<2.0	<2.0	<2.0	<3.0
	2/16/2024	<2.0	<2.0	<2.0	<3.0
	5/30/2024	<1.0	<1.0	<1.0	<1.5
	11/22/2024	<1.0	<1.0	<1.0	<1.5
	5/2/2025	<1.0	<1.0	<1.0	<1.5
MW32	9/8/2022	Well Dry			
	3/9/2023	<2.0	<2.0	<2.0	<4.0
	5/3/2023	<1.0	<1.0	<1.0	<2.0
	8/31/2023	<2.0	<2.0	<2.0	<4.0
	2/15/2024	Well Dry			
	5/30/2024	Well Dry			
	11/21/2024	Well Dry			
	5/1/2025	Well Dry			
MW33	9/8/2022	3.7	19	4.4	38
	3/9/2023	4.8	<1.0	1.7	<2.0
	5/2/2023	9.7	<1.0	1.8	<2.0
	8/30/2023	<1.0	<1.0	<1.0	<2.0
	12/4/2023	3.6	<1.0	<1.0	<1.5
	2/16/2024	2.1	<1.0	<1.0	<1.5
	5/31/2024	<1.0	<1.0	<1.0	<1.5
	11/22/2024	<1.0	<1.0	<1.0	<1.5
	5/2/2025	<1.0	<1.0	<1.0	<1.5
MW34	9/9/2022	<1.0	<1.0	<1.0	<2.0
	3/9/2023	<1.0	<1.0	<1.0	<2.0
	5/2/2023	<1.0	<1.0	<1.0	<2.0
	8/30/2023	<1.0	<1.0	<1.0	<2.0
	12/4/2023	<1.0	<1.0	<1.0	<1.5
	2/16/2024	<1.0	<1.0	<1.0	<1.5
	5/31/2024	<1.0	<1.0	<1.0	<1.5
	11/22/2024	<1.0	<1.0	<1.0	<1.5
	5/2/2025	<1.0	<1.0	<1.0	<1.5

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Monitoring Well	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standard		5	1,000	700	620
MW35	9/9/2022	<1.0	<1.0	<1.0	<2.0
	3/9/2023	<1.0	<1.0	<1.0	<2.0
	5/2/2023	<1.0	<1.0	<1.0	<2.0
	8/30/2023	<1.0	<1.0	<1.0	<2.0
	12/4/2023	<1.0	<1.0	<1.0	<1.5
	2/16/2024	<1.0	<1.0	<1.0	<1.5
	5/31/2024	<1.0	<1.0	<1.0	<1.5
	11/22/2024	<1.0	<1.0	<1.0	<1.5
	5/2/2025	<1.0	<1.0	<1.0	<1.5
MW38	9/9/2022	<1.0	<1.0	<1.0	<2.0
	3/9/2023	Well Dry			
	5/2/2023	<1.0	<1.0	<1.0	<2.0
	8/30/2023	<1.0	<1.0	<1.0	<2.0
	11/29/2023	<1.0	<1.0	<1.0	<1.5
	2/16/2024	<1.0	<1.0	<1.0	<1.5
	5/30/2024	<1.0	<1.0	<1.0	<1.5
	11/22/2024	<1.0	<1.0	<1.0	<1.5
	5/2/2025	<1.0	<1.0	<1.0	<1.5

Notes:

µg/L: micrograms per liter

NMWQCC: New Mexico Water Quality Control Commision

PSH: phase separated hydrocarbons

***Bold** and highlighted: indicates value exceeds the NMWQCC Standard*

<: indicates result is less than the stated laboratory reporting limit

P2 : The sample was received with pH>2

ENSOLUM

TABLE 8
PSH RECOVERY SUMMARY
Hare 15
Hilcorp Energy Company
San Juan, New Mexico

Boring/Well Number	Date	Product Thickness (feet)	Product Recovered (ounces)
MW03	10/7/2020	2.76	128.00
	9/28/2021	0.14	1.75
	11/24/2021	0.16	1.00
	1/7/2022	0.11	2.00
	3/2/2022	0.07	19.00
	4/22/2022	0.08	24.00
	12/9/2022	0.10	2.00
	5/3/2023	0.12	2.00
	8/30/2023	---	21.00
	11/30/2023	---	8.50
	2/15/2024	0.03	7.00
	6/3/2024	0.01	<1
MW04A	9/30/2020	0.49	5.00
	10/2/2020	1.83	100.00
	10/7/2020	0.51	32.00
	9/28/2021	0.25	1.50
	11/24/2021	0.30	4.00
	1/7/2022	0.19	10.00
	3/2/2022	0.21	5.00
	4/22/2022	0.18	18.00
	12/9/2022	0.13	4.00
	5/3/2023	0.14	4.00
	8/30/2023	---	14.00
	11/30/2023	---	5.00
	2/15/2024	0.03	3.00
	6/3/2024	0.02	3.00
MW07	9/30/2020	0.67	32.00
	10/2/2020	0.49	5.00
	10/7/2020	0.53	16.00
	11/24/2021	0.04	0.50
	1/7/2022	Sheen	0.50
	3/2/2022	0.32	14.00
	4/22/2022	0.35	15.00
	12/9/2022	0.20	5.00
	5/3/2023	0.22	6.00
	8/30/2023	---	13.00
	11/30/2023	---	2.50
	5/31/2024	0.01	4.00

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TABLE 8
PSH RECOVERY SUMMARY
Hare 15
Hilcorp Energy Company
San Juan, New Mexico

Boring/Well Number	Date	Product Thickness (feet)	Product Recovered (ounces)
MW10	9/30/2020	1.02	64.00
	10/2/2020	0.45	4.00
	10/7/2020	0.59	16.00
	9/28/2021	0.28	6.00
	11/24/2021	0.21	4.00
	1/7/2022	0.08	1.00
	3/2/2022	0.02	13.00
	4/22/2022	ND	8.50
	12/9/2022	ND	0.00
	5/3/2023	Sheen	0.00
	8/30/2023	---	<1.00
	11/30/2023	---	<1.00
MW12	9/30/2020	0.38	5.00
	10/2/2020	0.36	3.00
MW11	2/15/2024	0.03	<1
MW13	9/28/2021	0.11	0.50
	11/24/2021	0.13	1.00
	1/7/2022	0.08	1.00
	3/2/2022	0.15	1.50
	4/22/2022	0.12	1.00
	12/9/2022	0.08	2.00
	5/3/2023	0.16	3.00
	8/30/2023	0.11	13.00
	11/30/2023	---	5.00
	2/15/2024	0.05	1.50
	6/3/2024	0.01	<1
MW15	9/28/2021	0.60	26.00
	1/7/2022	0.11	7.00
	3/2/2022	ND	8.50
	4/22/2022	ND	17.00
	12/9/2022	ND	0.00
	5/3/2023	Sheen	0.00
	11/30/2023	---	1.50
MW16	9/28/2021	0.53	50.00
	1/7/2022	0.41	20.00
	3/2/2022	0.41	29.50
	4/22/2022	0.37	54.00
	12/9/2022	0.39	6.00
	5/3/2023	0.37	6.00
	11/30/2023	---	0.25
	2/15/2024	0.32	24.50
	6/3/2024	--*	33.00

ENSOLUM

TABLE 8 PSH RECOVERY SUMMARY Hare 15 Hilcorp Energy Company San Juan, New Mexico			
Boring/Well Number	**Date**	**Product Thickness (feet)**	**Product Recovered (ounces)**
	Total Recovered (gallons)		**7.62**

Notes:

ND: not detected

** : Product recovered during sampling but was not detected with probe.*

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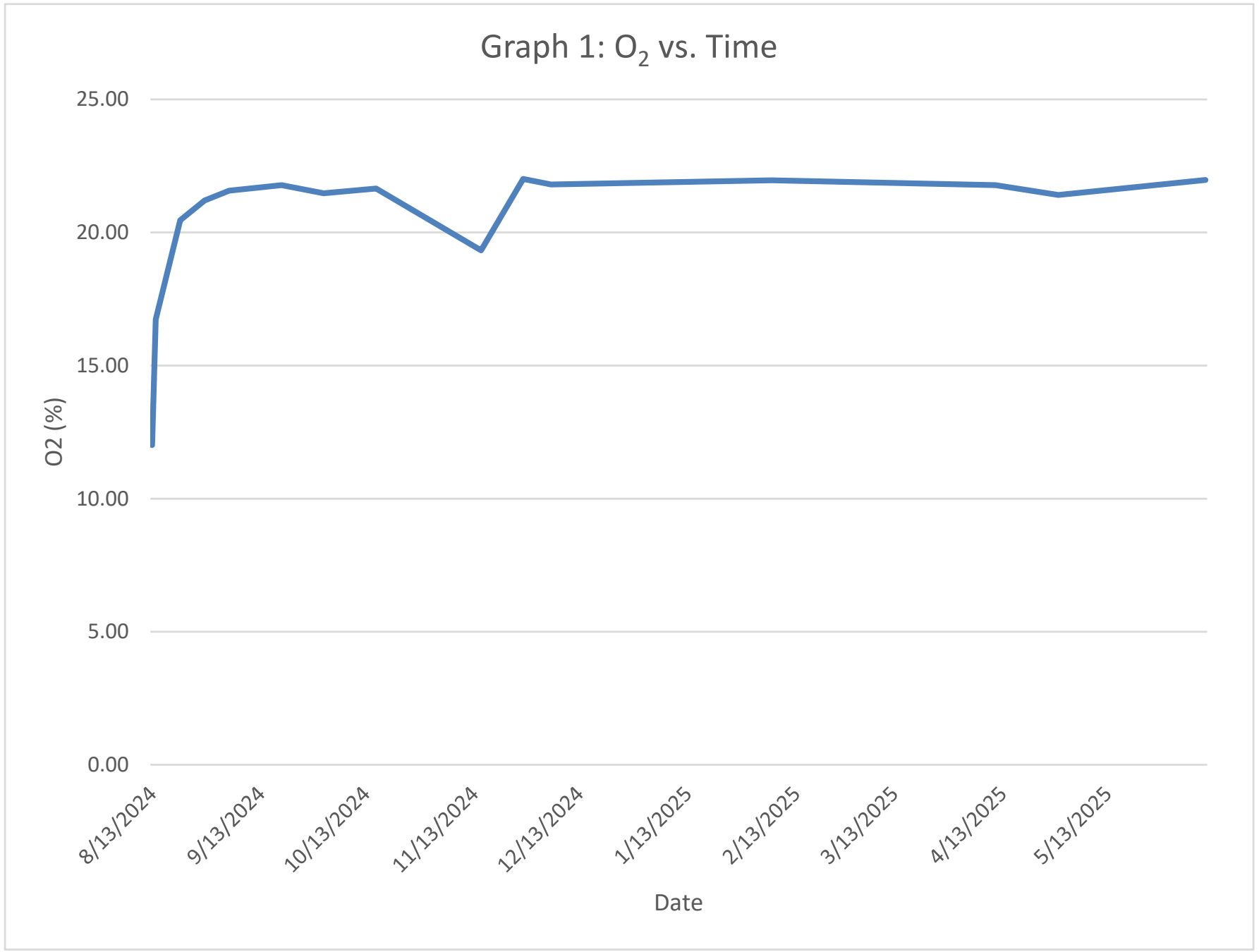
Received by OCD: 7/15/2025 10:09:58 AM



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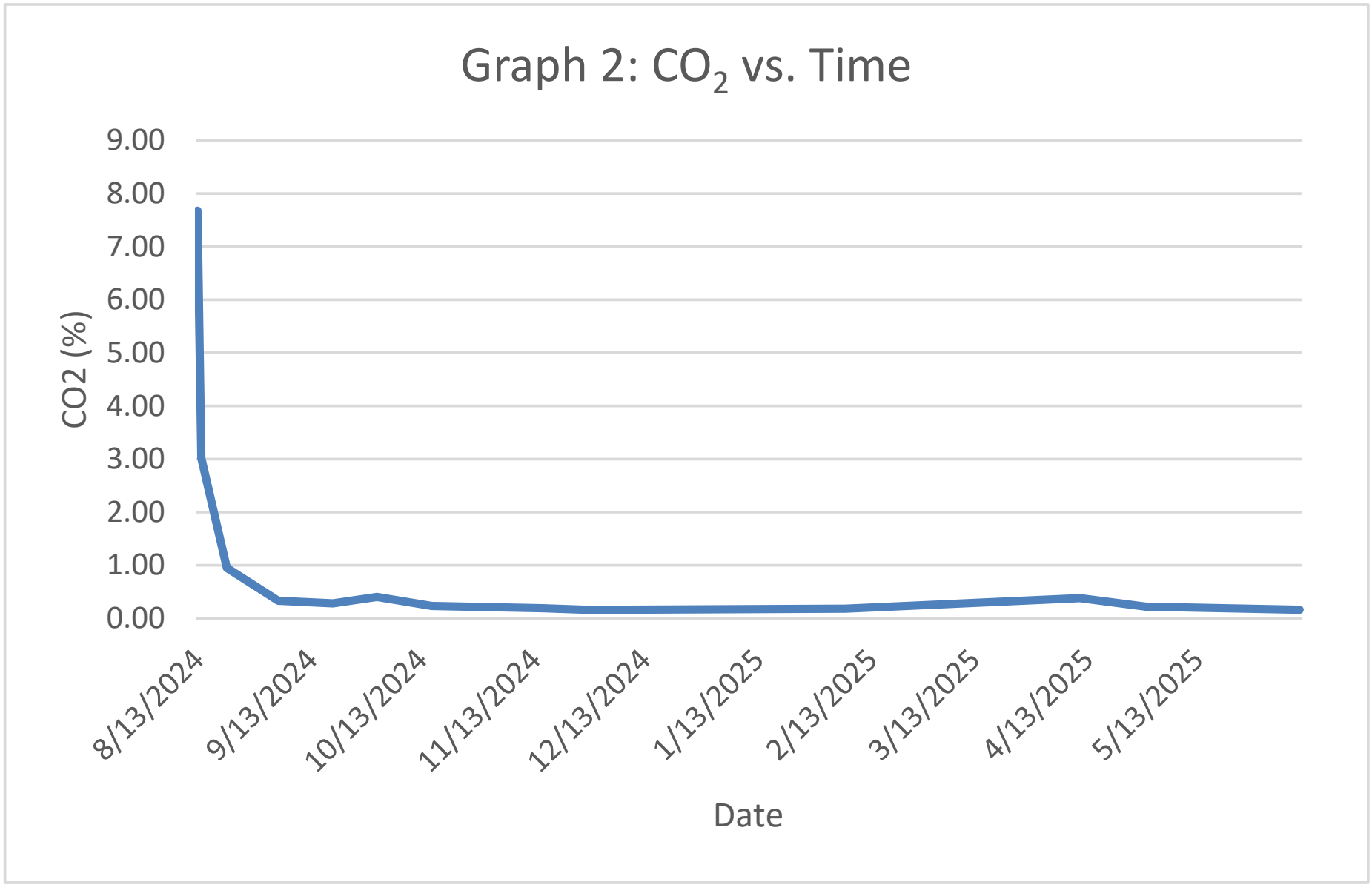
Received by OCD: 7/15/2025 10:09:58 AM



ENSOLUM

APPENDIX A

O&M Field Notes

Received by OCD: 7/15/2025 10:09:58 AM

Location Hare 15 Date 4-9-25

Project / Client HEC

DB Truck/tools

1000- Onsite to work on system. Bryan Hall has replaced blower, transfer pump, added Floats, cleaned muffler. Pictures of new equip taken.
Totalizer: 4,754.65 Pump Hrs
- Cleaned wye strainer 497.0
1 1/4" L x 7/8" D Blower Hrs
* get a stubby wrench 4,896.1
- Installed new 275P Sulberg filter. cleaned housing of scale.

1315- Turning system, testing, purging lines of liquid. Fresh air open 100% for beginning.

- Leave for grease gun, didn't start until 1445.
* get more grease Aeon PD.

- Purging liquids from lines.

1530- Shut system off. Prep for full restart tomorrow.
Offsite

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Received by OCD: 7/15/2025 10:09:58 AM

Location Hare 15 Date 4-10-25

Project / Client HEC

DB Truck/tools, HVAS, PID

0930 - Onsite for O+M, start system.
- Return to Aztec to get cleaning supply.
1030 - Brandon + Quentin onsite to see new equip. + review O+M.
1100 - BTEX off.
1130 - Vernon onsite, gauging tank
Tank Level: 14 inches.

1220 - Turn system on + gradually open remediation wells one by one.

- Cleaning rotameters.

- Need replacement 2" gate valve for MW-10
- More muriatic acid
- Spray bottle. + water

★ Observed totalizer going in reverse, faintly. Shut gate valve after pump + ball valve after tank to isolate. When ball valve is re-opened, vacuum is observed and totalizer starts going in reverse again. Possibly need KO level to be above KO outlet [illegible] doesn't reach pump/totalizer

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Location Flare 15 Date 4-10-25

Project / Client

O&M cont'd

☆ make note to change blower oil in 1,000 Hrs. (~ 6,000 mi)

1520 - Leaving valves open & letting totalizer spin in reverse to allow transfer pump to run in case levels hit overnight.

Pump Hrs 497.1 @15:20

Blower Hrs 4,900.0

1530 - offsite

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Received by OCD: 7/15/2025 10:09:58 AM

Location Hare 15 Date 4-11-25 21

Project / Client HEC

DB Truck/tools, HVAS, PID

1000 - Onsite for O+M
- System running upon arrival.
KO liquid level still not to LL float.
- Totalizer still running in reverse.

Reading Time - 11:00
Blower Hrs - 4,916.1
Pump Hrs - 497.1
~~Pre-filter~~ Vac - 10.5 inHg Pre KO
Diff. Pres. - 0.35 iwc ⇒ ~250 SCFM
Exhaust Temp - 185°F
Transfer pump press - 0 psi
Exhaust Press - 21 iwc
Exhaust PID - 427 ppm
Post KO - 10.5 in Hg
Post air filter - 10.5 in Hg
Fresh air bypass - closed 100%.

- Replaced bronze check valve on transfer pump inlet side. Previous one wasn't closing causing vacuum to get to totalizer.

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Location Hare 15 Date 4-11-25

Project / Client O&M cont'd

Well	Mani Vac (inHg)	Mani Flow	Well Head Vac	PID
MW08	8.5	32	9	44
MW01	9.5	68	8	63
MW13	10	72	6	49
MW06	10.5	68	8	46
MW11	10	58	9	110
MW14	12	74	8	~~73~~
MW16	9	18	10	10
MW10	9	76	4	234
MW15	10	68	9	218
MW09	10.5	96	9	39

1445 - "Influent 04-11-25" air sample collected.
PID: 292 ppm
-Analyzed for ~~BTEX~~ Full 8260, TPH & fixed gas O_2 & CO_2.

1515 - offsite

DNB

Received by OCD: 7/15/2025 10:09:58 AM

U M

HARE 15 DPE SYSTEM
O&M FORM

DATE: 4-29
TIME ONSITE:

O&M PERSONNEL: B Sinclair
TIME OFFSITE:

DPE ALARMS: KO TANK HIGH LEVEL

BI-MONTHLY MAINTENANCE, MUST BE PERFORMED/CHECKED TWICE PER MONTH

DPE SYSTEM	READING	TIME
Blower Hours **(photo)**	5313.7	1252
Transfer Pump Hours **(photo)**	657.8	
Pre-Filter Vacuum (InHg)		
Post-Filter Vacuum (InHg)		
Differential Pressure (IWC)		
Exhaust Temperature		
Transfer Pump Pressure (PSI)		
Transfer Pump Totalizer (Gal, **photo**)	998342.67	

NOTES:

Check filter for moisture	Condition:
Is replacement filter needed?	Condition:
Remove and Clean Float Assembly	Condition:
Clean Wye Strainer	Condition:
Muffler Drain Plug Check, Check Scale	Condition:
Add Chemical Pellets (once per month)	Date performed:

SVE SYSTEM SAMPLING

SAMPLE ID: SVE-1 **SAMPLE TIME:** 1300

PID (ppm) **OXYGEN (%)** **CARBON DIOXIDE (%)**

Analytes: Sample bimonthly through 8/12/25 and then quarterly for TVPH (8015), BTEX (8260), Fixed Gas (CO2 AND O2)

OPERATING WELLS

Change in Well Operation:

MONTHLY O&M MEASUREMENT

WELLHEAD MEASUREMENTS

WELL ID	VACUUM (IWC)	DIFF PRESSURE (IWC)	PID HEADSPACE (PPM)	OXYGEN (%)	CARBON DIOXIDE (%)
MW01					
MW06					
MW08					
MW09					
MW10					
MW11					
MW13					
MW14					
MW15					
MW16					

MANIFOLD MEASUREMENTS

WELL ID	VACUUM (IHg)	FLOW (CFM)
MW01		
MW06		
MW08		
MW09		
MW10		
MW11		
MW13		
MW14		
MW15		
MW16		

COMMENTS/MAINTENANCE ISSUES

- pump unit on upon arrival, no fluid being extracted
- System shutting off approximately every 5 min
- shut system down, back on 5/1 after sampling GW wells
- pump repaired on 5/1

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Location Hare 15 Date 5/9/25

Project / Client HEC

EC,

1100 on site for O&M

System on and running

Hours SVE: 5502.2

Pump: 763.6

Totalizer: 99843 gc

All wells on

well	vac mani	Flow mani
01	~~9~~ 11	24
06	12	58
08	10	18
09	12	80
10	11	80
11	11	72
13	~~8.5~~ 11.5	60
14	14	80
15	11.5	64
16	9.5	24

No drip from transfer pump with vac on

Pre KO vac 10.5

Post KO vac 11.0

Post filter vac 11.0

Exh press 22.0 Temp 210

Rite in the Rain

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Location Cont'd Date

Project / Client

Well	Head	Readings
Well	vac	PID
01	10	66
06	10	49
08	9.5	41
09	10	34
10	9	252
11	10	~~47~~ 114
13	10	47
14	11.5	68
15	10.5	234
16	9.5	8.7

Clean wye strainer and floats

Small leak from transfer pump when on and vac off

NO beads in KO tank ~~no gel~~ water was not gelled

Fan in trailer off temp 100° F

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HARE 15 DPE SYSTEM
O&M FORM

DATE: 5-21
TIME ONSITE:

O&M PERSONNEL: B Sinclair
TIME OFFSITE:

DPE ALARMS: KO TANK HIGH LEVEL

BI-MONTHLY MAINTENANCE, MUST BE PERFORMED/CHECKED TWICE PER MONTH

DPE SYSTEM	READING	TIME
Blower Hours (**photo**)	5792.3	1426
Transfer Pump Hours (**photo**)	764.7	
Pre-Filter Vacuum (InHg)	10.0	
Post-Filter Vacuum (InHg)	11.5	
Differential Pressure (IWC)	0.25	
Exhaust Temperature	180	
Transfer Pump Pressure (PSI)	0	
Transfer Pump Totalizer (Gal, **photo**)	9984996.32	

NOTES:

Check filter for moisture	Condition:
Is replacement filter needed? NO	Condition:
Remove and Clean Float Assembly	Condition:
Clean Wye Strainer	Condition:
Muffler Drain Plug Check, Check Scale	Condition:
Add Chemical Pellets (once per month)	Date performed: 5-21

SVE SYSTEM SAMPLING

SAMPLE ID: **SAMPLE TIME:**
PID (ppm) 36.6 **OXYGEN (%)** 20.9 **CARBON DIOXIDE (%)** 60
Analytes: Sample bimonthly through 8/12/25 and then quarterly for TVPH (8015), BTEX (8260), Fixed Gas (CO2 AND O2)

OPERATING WELLS

Change in Well Operation:

MONTHLY O&M MEASUREMENT

WELLHEAD MEASUREMENTS

WELL ID	VACUUM (IWC)	~~DIFF PRESSURE (IWC)~~	PID HEADSPACE (PPM)	OXYGEN (%)	CARBON DIOXIDE (%)
MW01	7.0		25.9	20.9	620
MW06	10.0		17.5	20.9	540
MW08	4.5		16.3	20.9	140
MW09	9.5		16.2	20.9	720
MW10	5.75		127.7	20.9	1560
MW11	10.5		76.2	20.9	760
MW13	12.0		—	—	—
MW14	10.0		54.3	20.9	860
MW15	10.5		151.4	20.9	2200
MW16	0.0				

MANIFOLD MEASUREMENTS

WELL ID	VACUUM (IHg)	FLOW (CFM)
MW01	11.5	12
MW06	11.75	42
MW08	10.0	10
MW09	12.0	50
MW10	11.0	74
MW11	11.5	58
MW13	12.0	56
MW14	13.5	56
MW15	11.5	54
MW16	9.0	opaque

COMMENTS/MAINTENANCE ISSUES

-: brass fitting unable to penetrate, possible seal needs to be replaced

MW-16 no vacuum

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Received by OCD: 7/15/2025 10:09:58 AM

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HARE 15 DPE SYSTEM
O&M FORM

DATE: 6-10
TIME ONSITE:

O&M PERSONNEL: D Sinclair
TIME OFFSITE:

DPE ALARMS: KO TANK HIGH LEVEL

BI-MONTHLY MAINTENANCE, MUST BE PERFORMED/CHECKED TWICE PER MONTH

DPE SYSTEM	READING	TIME
Blower Hours (photo)	6268.8	1311
Transfer Pump Hours (photo)	766.2	
Pre-Filter Vacuum (InHg)	13.0	
Post-Filter Vacuum (InHg)	12.25	
Differential Pressure (IWC)	.30	
Exhaust Temperature	248	
Transfer Pump Pressure (PSI)	0	
Transfer Pump Totalizer (Gal, photo)	9984996.32	

NOTES:

Check filter for moisture	Condition:
Is replacement filter needed? no	Condition:
Remove and Clean Float Assembly	Condition:
Clean Wye Strainer	Condition:
Muffler Drain Plug Check, Check Scale	Condition:
Add Chemical Pellets (once per month)	Date performed:

SVE SYSTEM SAMPLING

SAMPLE ID: SVE-1 SAMPLE TIME: 1330 1420
PID (ppm) 48.1 OXYGEN (%) 20.9 CARBON DIOXIDE (%) ppm
Analytes: Sample bimonthly through 8/12/25 and then quarterly for TVPH (8015), BTEX (8260), Fixed Gas (CO2 AND O2)

OPERATING WELLS

Change in Well Operation:

MONTHLY O&M MEASUREMENT

WELLHEAD MEASUREMENTS

WELL ID	VACUUM (IWC)	~~DIFF PRESSURE (IWC)~~	PID HEADSPACE (PPM)	OXYGEN (%)	CARBON DIOXIDE (%)
MW01	7.25		22.3	20.9	720
MW06	10.0		15.8	20.9	960
MW08	9.0		9.7	20.9	1460
MW09	9.75		21.2	20.9	1480
MW10	6.0		163.5	20.9	1120
MW11	10.25		67.6	20.9	860
MW13	12.0		–	–	–
MW14	10.0		75.4	20.9	1240
MW15	10.25		137.0	20.9	1840
MW16	–		–	–	–

MANIFOLD MEASUREMENTS

WELL ID	VACUUM (IHg)	FLOW (CFM)
MW01	12.75	10
MW06	13.5	42
MW08	12.0	10.0
MW09	13.5	0-100
MW10	12.0	74
MW11	12.25	58
MW13	12.25	48
MW14	15.0	50
MW15	12.75	44
MW16	10.75	opaque

COMMENTS/MAINTENANCE ISSUES

MW-16 no vacuum, poured acid into line

Totalizer gauge not moving

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HARE 15 DPE SYSTEM
O&M FORM

DATE: 6-26
TIME ONSITE:

O&M PERSONNEL: B Sinclair
TIME OFFSITE:

DPE ALARMS: KO TANK HIGH LEVEL

BI-MONTHLY MAINTENANCE, MUST BE PERFORMED/CHECKED TWICE PER MONTH

DPE SYSTEM	READING	TIME
Blower Hours (photo)	6649.3	1105
Transfer Pump Hours (photo)	767.5	
Pre-Filter Vacuum (InHg)	12.0	
Post-Filter Vacuum (InHg)	11.75	
Differential Pressure (IWC)	0.25	
Exhaust Temperature	240	
Transfer Pump Pressure (PSI)	0	
Transfer Pump Totalizer (Gal, photo)	9984996.32	

NOTES:

Check filter for moisture	Condition:
Is replacement filter needed? no	Condition:
Remove and Clean Float Assembly	Condition:
Clean Wye Strainer	Condition:
Muffler Drain Plug Check, Check Scale	Condition:
Add Chemical Pellets (once per month)	Date performed: 6-26

SVE SYSTEM SAMPLING

SAMPLE ID: SAMPLE TIME:
PID (ppm) 76.5 OXYGEN (%) 20.9 CARBON DIOXIDE (%) 920
Analytes: Sample bimonthly through 8/12/25 and then quarterly for TVPH (8015), BTEX (8260), Fixed Gas (CO2 AND O2)

OPERATING WELLS

Change in Well Operation:

MONTHLY O&M MEASUREMENT

WELLHEAD MEASUREMENTS

WELL ID	VACUUM (IWC)	DIFF PRESSURE (IWC)	PID HEADSPACE (PPM)	OXYGEN (%)	CARBON DIOXIDE (%)
MW01					
MW06					
MW08					
MW09					
MW10					
MW11					
MW13					
MW14					
MW15					
MW16					

MANIFOLD MEASUREMENTS

WELL ID	VACUUM (IHg)	FLOW (CFM)
MW01	11.75	opaque
MW06	6.5	opaque
MW08	9.5	opaque
MW09	13.75	38
MW10	11.75	75
MW11	11.25	60
MW13	13.25	opaque
MW14	14.25	52
MW15	12.25	54
MW16	10.25	opaque

COMMENTS/MAINTENANCE ISSUES

Exhaust fan not on despite high temp, IRE tech to assess

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APPENDIX B

Correspondence

From: Mitch Killough
To: Adeloye, Abiodun A; Velez, Nelson, EMNRD
Cc: Stuart Hyde; Danny Burns; Hannah Mishriki; Brandon Sinclair
Subject: RE: [EXTERNAL] nRM2020945060 - Hare 15 DPE - Downtime Notification
Date: Thursday, April 17, 2025 7:22:39 AM

[**EXTERNAL EMAIL**]

Nelson/Emmanuel,

I wanted to loop back on the downtime that we were experiencing on the Hare 15 DPE Unit. Following my initial email below, we were able to procure a new blower and successfully complete the install on 4/3/2025. Between 4/4/2025 – 4/15/2025, Hilcorp I&E / Ensolum completed additional upgrades to the unit to ensure consistent runtime on a go-forward basis. This included the installation of redundant floats to minimize the risk of a recurrence and implementing additional monthly maintenance. Based on our telemetry, the unit resumed operation 4/15/2025 at 8:25 am (MT). However, it should be noted that our unit did have intermittent runtime between 4/4/2025 – 4/15/2025 while fixes/upgrades were being made. We will be monitoring the unit closely over the weekend. Additional discussion regarding downtime has been included in our recently-submitted *2025 First Quarter – Remediation System Operation and Monitoring Report (dated 4/10/2025)*.

Emmanuel – Per usual, I will sundry the quarterly monitoring report to BLM-FFO as well. Expect that next week.

If you have any questions or concerns, please let me know.

Thanks.

Mitch Killough
Hilcorp Energy Company
713-757-5247 (Office)
281-851-2338 (Mobile)

From: Mitch Killough <mkillough@hilcorp.com>
Sent: Friday, March 21, 2025 12:25 PM
To: Adeloye, Abiodun A <aadeloye@blm.gov>; Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Cc: shyde@ensolum.com; Danny Burns <dburns@ensolum.com>; 'hmishriki@ensolum.com' <hmishriki@ensolum.com>; Brandon Sinclair <Brandon.Sinclair@hilcorp.com>
Subject: RE: [EXTERNAL] nRM2020945060 - Hare 15 DPE - Downtime Notification

Will do, thank you.

Mitch Killough
Hilcorp Energy Company
713-757-5247 (Office)
281-851-2338 (Mobile)

From: Adeloye, Abiodun A <aadeloye@blm.gov>
Sent: Friday, March 21, 2025 9:38 AM
To: Mitch Killough <mkillough@hilcorp.com>; Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Cc: shyde@ensolum.com; Danny Burns <dburns@ensolum.com>; 'hmishriki@ensolum.com' <hmishriki@ensolum.com>; Brandon Sinclair <Brandon.Sinclair@hilcorp.com>
Subject: RE: [EXTERNAL] nRM2020945060 - Hare 15 DPE - Downtime Notification

CAUTION: External sender. DO NOT open links or attachments from UNKNOWN senders.

Hi, Mitch, thanks for the updates. Please let the BLM know how everything goes.

Abiodun Adeloye (Emmanuel)
Natural Resources Specialist (NRS)
6251 College Blvd., Suite A
Farmington, NM 87402
Office: 505-564-7665
Mobile: 505-635-0984

From: Mitch Killough <mkillough@hilcorp.com>
Sent: Friday, March 21, 2025 6:54 AM
To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>; Adeloye, Abiodun A <aadeloye@blm.gov>
Cc: shyde@ensolum.com; Danny Burns <dburns@ensolum.com>; 'hmishriki@ensolum.com' <hmishriki@ensolum.com>; Brandon Sinclair <Brandon.Sinclair@hilcorp.com>
Subject: [EXTERNAL] nRM2020945060 - Hare 15 DPE - Downtime Notification

This email has been received from outside of DOI - Use caution before clicking on links, opening attachments, or responding.

Hi Nelson/Emmanuel.

I am writing to inform you both of on-going downtime that we have been experiencing at the

Hare 15 Dual-Phase Extraction (DPE) Unit in San Juan County, NM. On Monday, 3/17/2025 at 4:25 pm (MT), an OFF alarm was sent out via CYGNET alerting Hilcorp that the DPE unit went offline. Upon receiving the alarm, a Hilcorp operator visited the site the same day in order to return the DPE unit back to service. However, upon inspection, the operator determined that the blower had seized up and would not re-start following several attempts. Following recommendations from Enviro-Equipment, Inc., Hilcorp attempted to use a penetrating oil in order to free up the blower in the event that corrosion was the cause. This also proved to be unsuccessful. In order to reduce downtime, our San Juan Equipment team moved forward with locating a like-kind blower replacement. We are anticipating having this new blower early next week, based on input from the vendor. Once the new blower is received and the unit is successfully re-started, I will respond back to this email communication with an update.

If either of you have any questions in the meantime, please let me know.

Sincerely,

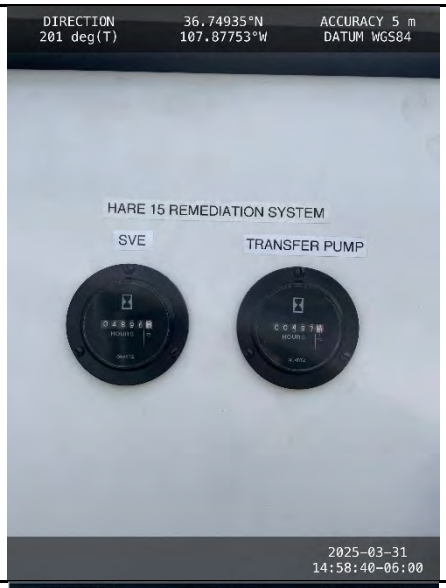
Mitch Killough
Environmental Specialist
Hilcorp Energy Company
1111 Travis Street
Houston, TX 77002
713-757-5247 (office)
281-851-2338 (cell)
mkillough@hilcorp.com

ENSOLUM

APPENDIX C

Project Photographs

PROJECT PHOTOGRAPHS
Hare 15
San Juan County, New Mexico
Hilcorp Energy Company

Photograph 1 Runtime meter taken on March 31, 2025 at 2:58 PM Hours = 4,896.1		
Photograph 2 Runtime meter taken on June 26, 2025 at 11:05 AM Hours = 6,649.3		

Ensolum, LLC | Environmental & Hydrogeologic Consultants
Durango, Colorado | info@ensolum.com

PROJECT PHOTOGRAPHS
Hare 15
San Juan County, New Mexico
Hilcorp Energy Company

Photograph 3 Runtime meter taken on March 31, 2025 at 2:58 PM Gallons = 9,994,754.62	
Photograph 4 Runtime meter taken on June 26, 2025 at 11:25 AM Gallons = 9,984,996.32	

ENSOLUM

APPENDIX D

DPE Laboratory Analytical Reports

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 4/24/2025 5:23:36 PM

JOB DESCRIPTION

Hare 15

JOB NUMBER

885-23318-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.

Released to Imaging: 7/29/2025 8:04:10 AM

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

Generated
4/24/2025 5:23:36 PM

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

Client: Hilcorp Energy
Project/Site: Hare 15

Laboratory Job ID: 885-23318-1

Table of Contents

Definitions/Glossary

Client: Hilcorp Energy
Project/Site: Hare 15

Job ID: 885-23318-1

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: Hare 15

Job ID: 885-23318-1

Job ID: 885-23318-1 Eurofins Albuquerque

Job Narrative
885-23318-1

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 4/16/2025 9:55 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice.

Subcontract Work
Method Fixed Gases: This method was subcontracted to Energy Laboratories, Inc. The subcontract laboratory certification is different from that of the facility issuing the final report. The subcontract report is appended in its entirety.

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

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

Client Sample Results

Client: Hilcorp Energy
Project/Site: Hare 15

Job ID: 885-23318-1

Client Sample ID: Influent 04-11-25

Lab Sample ID: 885-23318-1
Matrix: Air
Date Collected: 04/11/25 14:45
Date Received: 04/16/25 09:55
Sample Container: Tedlar Bag 1L

Method: SW846 8015M/D - Nonhalogenated Organics using GC/MS -Modified (Gasoline Range Organics)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	**960**		25		ug/L			04/22/25 17:51	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*39 - 158*		*04/22/25 17:51*	*5*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			04/22/25 17:51	5
1,1,1-Trichloroethane	ND		0.50		ug/L			04/22/25 17:51	5
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			04/22/25 17:51	5
1,1,2-Trichloroethane	ND		0.50		ug/L			04/22/25 17:51	5
1,1-Dichloroethane	ND		0.50		ug/L			04/22/25 17:51	5
1,1-Dichloroethene	ND		0.50		ug/L			04/22/25 17:51	5
1,1-Dichloropropene	ND		0.50		ug/L			04/22/25 17:51	5
1,2,3-Trichlorobenzene	ND		0.50		ug/L			04/22/25 17:51	5
1,2,3-Trichloropropane	ND		1.0		ug/L			04/22/25 17:51	5
1,2,4-Trichlorobenzene	ND		0.50		ug/L			04/22/25 17:51	5
1,2,4-Trimethylbenzene	**2.6**		0.50		ug/L			04/22/25 17:51	5
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			04/22/25 17:51	5
1,2-Dibromoethane (EDB)	ND		0.50		ug/L			04/22/25 17:51	5
1,2-Dichlorobenzene	ND		0.50		ug/L			04/22/25 17:51	5
1,2-Dichloroethane (EDC)	ND		0.50		ug/L			04/22/25 17:51	5
1,2-Dichloropropane	ND		0.50		ug/L			04/22/25 17:51	5
1,3,5-Trimethylbenzene	**5.3**		0.50		ug/L			04/22/25 17:51	5
1,3-Dichlorobenzene	ND		0.50		ug/L			04/22/25 17:51	5
1,3-Dichloropropane	ND		0.50		ug/L			04/22/25 17:51	5
1,4-Dichlorobenzene	ND		0.50		ug/L			04/22/25 17:51	5
1-Methylnaphthalene	ND		2.0		ug/L			04/22/25 17:51	5
2,2-Dichloropropane	ND		1.0		ug/L			04/22/25 17:51	5
2-Butanone	ND		5.0		ug/L			04/22/25 17:51	5
2-Chlorotoluene	ND		0.50		ug/L			04/22/25 17:51	5
2-Hexanone	ND		5.0		ug/L			04/22/25 17:51	5
2-Methylnaphthalene	ND		2.0		ug/L			04/22/25 17:51	5
4-Chlorotoluene	ND		0.50		ug/L			04/22/25 17:51	5
4-Isopropyltoluene	ND		0.50		ug/L			04/22/25 17:51	5
4-Methyl-2-pentanone	ND		5.0		ug/L			04/22/25 17:51	5
Acetone	ND		5.0		ug/L			04/22/25 17:51	5
Benzene	**1.2**		0.50		ug/L			04/22/25 17:51	5
Bromobenzene	ND		0.50		ug/L			04/22/25 17:51	5
Bromodichloromethane	ND		0.50		ug/L			04/22/25 17:51	5
Dibromochloromethane	ND		0.50		ug/L			04/22/25 17:51	5
Bromoform	ND		0.50		ug/L			04/22/25 17:51	5
Bromomethane	ND		1.5		ug/L			04/22/25 17:51	5
Carbon disulfide	ND		5.0		ug/L			04/22/25 17:51	5
Carbon tetrachloride	ND		0.50		ug/L			04/22/25 17:51	5
Chlorobenzene	ND		0.50		ug/L			04/22/25 17:51	5
Chloroethane	ND		1.0		ug/L			04/22/25 17:51	5
Chloroform	ND		0.50		ug/L			04/22/25 17:51	5

Client Sample Results

Client: Hilcorp Energy
Project/Site: Hare 15

Job ID: 885-23318-1

Client Sample ID: Influent 04-11-25

Lab Sample ID: 885-23318-1
Matrix: Air
Date Collected: 04/11/25 14:45
Date Received: 04/16/25 09:55
Sample Container: Tedlar Bag 1L

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.5		ug/L			04/22/25 17:51	5
cis-1,2-Dichloroethene	ND		0.50		ug/L			04/22/25 17:51	5
cis-1,3-Dichloropropene	ND		0.50		ug/L			04/22/25 17:51	5
Dibromomethane	ND		0.50		ug/L			04/22/25 17:51	5
Dichlorodifluoromethane	ND		0.50		ug/L			04/22/25 17:51	5
Ethylbenzene	**0.67**		0.50		ug/L			04/22/25 17:51	5
Hexachlorobutadiene	ND		0.50		ug/L			04/22/25 17:51	5
Isopropylbenzene	ND		0.50		ug/L			04/22/25 17:51	5
Methyl-tert-butyl Ether (MTBE)	ND		0.50		ug/L			04/22/25 17:51	5
Methylene Chloride	ND		1.5		ug/L			04/22/25 17:51	5
n-Butylbenzene	ND		1.5		ug/L			04/22/25 17:51	5
N-Propylbenzene	ND		0.50		ug/L			04/22/25 17:51	5
Naphthalene	ND		1.0		ug/L			04/22/25 17:51	5
sec-Butylbenzene	ND		0.50		ug/L			04/22/25 17:51	5
Styrene	ND		0.50		ug/L			04/22/25 17:51	5
tert-Butylbenzene	ND		0.50		ug/L			04/22/25 17:51	5
Tetrachloroethene (PCE)	ND		0.50		ug/L			04/22/25 17:51	5
Toluene	**3.3**		0.50		ug/L			04/22/25 17:51	5
trans-1,2-Dichloroethene	ND		0.50		ug/L			04/22/25 17:51	5
trans-1,3-Dichloropropene	ND		0.50		ug/L			04/22/25 17:51	5
Trichloroethene (TCE)	ND		0.50		ug/L			04/22/25 17:51	5
Trichlorofluoromethane	ND		0.50		ug/L			04/22/25 17:51	5
Vinyl chloride	ND		0.50		ug/L			04/22/25 17:51	5
Xylenes, Total	**25**		0.75		ug/L			04/22/25 17:51	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*84*		*70 - 130*		*04/22/25 17:51*	*5*
Toluene-d8 (Surr)	*91*		*70 - 130*		*04/22/25 17:51*	*5*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*		*04/22/25 17:51*	*5*
Dibromofluoromethane (Surr)	*85*		*70 - 130*		*04/22/25 17:51*	*5*

QC Sample Results

Client: Hilcorp Energy
Project/Site: Hare 15

Job ID: 885-23318-1

Method: 8015M/D - Nonhalogenated Organics using GC/MS -Modified (Gasoline Range Organics)

Lab Sample ID: MB 885-24739/4
Matrix: Air
Analysis Batch: 24739

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0		ug/L			04/22/25 15:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*39 - 158*		*04/22/25 15:06*	*1*

Lab Sample ID: LCS 885-24739/3
Matrix: Air
Analysis Batch: 24739

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics [C6 - C10]			50.0	47.3		ug/L		95	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*39 - 158*

Lab Sample ID: 885-23318-1 DU
Matrix: Air
Analysis Batch: 24739

Client Sample ID: Influent 04-11-25
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Gasoline Range Organics [C6 - C10]	960			967		ug/L				0.2	20

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*39 - 158*

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

Lab Sample ID: MB 885-24727/4
Matrix: Air
Analysis Batch: 24727

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.10		ug/L			04/22/25 15:06	1
1,1,1-Trichloroethane	ND		0.10		ug/L			04/22/25 15:06	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			04/22/25 15:06	1
1,1,2-Trichloroethane	ND		0.10		ug/L			04/22/25 15:06	1
1,1-Dichloroethane	ND		0.10		ug/L			04/22/25 15:06	1
1,1-Dichloroethene	ND		0.10		ug/L			04/22/25 15:06	1
1,1-Dichloropropene	ND		0.10		ug/L			04/22/25 15:06	1
1,2,3-Trichlorobenzene	ND		0.10		ug/L			04/22/25 15:06	1
1,2,3-Trichloropropane	ND		0.20		ug/L			04/22/25 15:06	1
1,2,4-Trichlorobenzene	ND		0.10		ug/L			04/22/25 15:06	1
1,2,4-Trimethylbenzene	ND		0.10		ug/L			04/22/25 15:06	1
1,2-Dibromo-3-Chloropropane	ND		0.20		ug/L			04/22/25 15:06	1
1,2-Dibromoethane (EDB)	ND		0.10		ug/L			04/22/25 15:06	1
1,2-Dichlorobenzene	ND		0.10		ug/L			04/22/25 15:06	1

QC Sample Results

Client: Hilcorp Energy
Project/Site: Hare 15

Job ID: 885-23318-1

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

Lab Sample ID: MB 885-24727/4
Matrix: Air
Analysis Batch: 24727

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane (EDC)	ND		0.10		ug/L			04/22/25 15:06	1
1,2-Dichloropropane	ND		0.10		ug/L			04/22/25 15:06	1
1,3,5-Trimethylbenzene	ND		0.10		ug/L			04/22/25 15:06	1
1,3-Dichlorobenzene	ND		0.10		ug/L			04/22/25 15:06	1
1,3-Dichloropropane	ND		0.10		ug/L			04/22/25 15:06	1
1,4-Dichlorobenzene	ND		0.10		ug/L			04/22/25 15:06	1
1-Methylnaphthalene	ND		0.40		ug/L			04/22/25 15:06	1
2,2-Dichloropropane	ND		0.20		ug/L			04/22/25 15:06	1
2-Butanone	ND		1.0		ug/L			04/22/25 15:06	1
2-Chlorotoluene	ND		0.10		ug/L			04/22/25 15:06	1
2-Hexanone	ND		1.0		ug/L			04/22/25 15:06	1
2-Methylnaphthalene	ND		0.40		ug/L			04/22/25 15:06	1
4-Chlorotoluene	ND		0.10		ug/L			04/22/25 15:06	1
4-Isopropyltoluene	ND		0.10		ug/L			04/22/25 15:06	1
4-Methyl-2-pentanone	ND		1.0		ug/L			04/22/25 15:06	1
Acetone	ND		1.0		ug/L			04/22/25 15:06	1
Benzene	ND		0.10		ug/L			04/22/25 15:06	1
Bromobenzene	ND		0.10		ug/L			04/22/25 15:06	1
Bromodichloromethane	ND		0.10		ug/L			04/22/25 15:06	1
Dibromochloromethane	ND		0.10		ug/L			04/22/25 15:06	1
Bromoform	ND		0.10		ug/L			04/22/25 15:06	1
Bromomethane	ND		0.30		ug/L			04/22/25 15:06	1
Carbon disulfide	ND		1.0		ug/L			04/22/25 15:06	1
Carbon tetrachloride	ND		0.10		ug/L			04/22/25 15:06	1
Chlorobenzene	ND		0.10		ug/L			04/22/25 15:06	1
Chloroethane	ND		0.20		ug/L			04/22/25 15:06	1
Chloroform	ND		0.10		ug/L			04/22/25 15:06	1
Chloromethane	ND		0.30		ug/L			04/22/25 15:06	1
cis-1,2-Dichloroethene	ND		0.10		ug/L			04/22/25 15:06	1
cis-1,3-Dichloropropene	ND		0.10		ug/L			04/22/25 15:06	1
Dibromomethane	ND		0.10		ug/L			04/22/25 15:06	1
Dichlorodifluoromethane	ND		0.10		ug/L			04/22/25 15:06	1
Ethylbenzene	ND		0.10		ug/L			04/22/25 15:06	1
Hexachlorobutadiene	ND		0.10		ug/L			04/22/25 15:06	1
Isopropylbenzene	ND		0.10		ug/L			04/22/25 15:06	1
Methyl-tert-butyl Ether (MTBE)	ND		0.10		ug/L			04/22/25 15:06	1
Methylene Chloride	ND		0.30		ug/L			04/22/25 15:06	1
n-Butylbenzene	ND		0.30		ug/L			04/22/25 15:06	1
N-Propylbenzene	ND		0.10		ug/L			04/22/25 15:06	1
Naphthalene	ND		0.20		ug/L			04/22/25 15:06	1
sec-Butylbenzene	ND		0.10		ug/L			04/22/25 15:06	1
Styrene	ND		0.10		ug/L			04/22/25 15:06	1
tert-Butylbenzene	ND		0.10		ug/L			04/22/25 15:06	1
Tetrachloroethene (PCE)	ND		0.10		ug/L			04/22/25 15:06	1
Toluene	ND		0.10		ug/L			04/22/25 15:06	1
trans-1,2-Dichloroethene	ND		0.10		ug/L			04/22/25 15:06	1
trans-1,3-Dichloropropene	ND		0.10		ug/L			04/22/25 15:06	1
Trichloroethene (TCE)	ND		0.10		ug/L			04/22/25 15:06	1
Trichlorofluoromethane	ND		0.10		ug/L			04/22/25 15:06	1

QC Sample Results

Client: Hilcorp Energy
Project/Site: Hare 15

Job ID: 885-23318-1

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

Lab Sample ID: MB 885-24727/4
Matrix: Air
Analysis Batch: 24727

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.10		ug/L			04/22/25 15:06	1
Xylenes, Total	ND		0.15		ug/L			04/22/25 15:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*88*		*70 - 130*		*04/22/25 15:06*	*1*
Toluene-d8 (Surr)	*89*		*70 - 130*		*04/22/25 15:06*	*1*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*		*04/22/25 15:06*	*1*
Dibromofluoromethane (Surr)	*85*		*70 - 130*		*04/22/25 15:06*	*1*

Lab Sample ID: LCS 885-24727/3
Matrix: Air
Analysis Batch: 24727

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,1-Dichloroethene			2.00	1.93		ug/L		96	70 - 130		
Benzene			2.00	2.44		ug/L		122	70 - 130		
Chlorobenzene			2.00	1.94		ug/L		97	70 - 130		
Toluene			2.00	1.93		ug/L		96	70 - 130		
Trichloroethene (TCE)			2.00	1.70		ug/L		85	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*88*		*70 - 130*
Toluene-d8 (Surr)	*89*		*70 - 130*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
Dibromofluoromethane (Surr)	*86*		*70 - 130*

Lab Sample ID: 885-23318-1 DU
Matrix: Air
Analysis Batch: 24727

Client Sample ID: Influent 04-11-25
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND			ND		ug/L				NC	20
1,1,1-Trichloroethane	ND			ND		ug/L				NC	20
1,1,2,2-Tetrachloroethane	ND			ND		ug/L				NC	20
1,1,2-Trichloroethane	ND			ND		ug/L				NC	20
1,1-Dichloroethane	ND			ND		ug/L				NC	20
1,1-Dichloroethene	ND			ND		ug/L				NC	20
1,1-Dichloropropene	ND			ND		ug/L				NC	20
1,2,3-Trichlorobenzene	ND			ND		ug/L				NC	20
1,2,3-Trichloropropane	ND			ND		ug/L				NC	20
1,2,4-Trichlorobenzene	ND			ND		ug/L				NC	20
1,2,4-Trimethylbenzene	2.6			2.60		ug/L				0.9	20
1,2-Dibromo-3-Chloropropane	ND			ND		ug/L				NC	20
1,2-Dibromoethane (EDB)	ND			ND		ug/L				NC	20
1,2-Dichlorobenzene	ND			ND		ug/L				NC	20
1,2-Dichloroethane (EDC)	ND			ND		ug/L				NC	20
1,2-Dichloropropane	ND			ND		ug/L				NC	20
1,3,5-Trimethylbenzene	5.3			5.23		ug/L				0.6	20

QC Sample Results

Client: Hilcorp Energy
Project/Site: Hare 15

Job ID: 885-23318-1

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

Lab Sample ID: 885-23318-1 DU
Matrix: Air
Analysis Batch: 24727

Client Sample ID: Influent 04-11-25
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
1,3-Dichlorobenzene	ND			ND		ug/L				NC	20
1,3-Dichloropropane	ND			ND		ug/L				NC	20
1,4-Dichlorobenzene	ND			ND		ug/L				NC	20
1-Methylnaphthalene	ND			ND		ug/L				NC	20
2,2-Dichloropropane	ND			ND		ug/L				NC	20
2-Butanone	ND			ND		ug/L				NC	20
2-Chlorotoluene	ND			ND		ug/L				NC	20
2-Hexanone	ND			ND		ug/L				NC	20
2-Methylnaphthalene	ND			ND		ug/L				NC	20
4-Chlorotoluene	ND			ND		ug/L				NC	20
4-Isopropyltoluene	ND			ND		ug/L				NC	20
4-Methyl-2-pentanone	ND			ND		ug/L				NC	20
Acetone	ND			ND		ug/L				NC	20
Benzene	1.2			1.22		ug/L				0.5	20
Bromobenzene	ND			ND		ug/L				NC	20
Bromodichloromethane	ND			ND		ug/L				NC	20
Dibromochloromethane	ND			ND		ug/L				NC	20
Bromoform	ND			ND		ug/L				NC	20
Bromomethane	ND			ND		ug/L				NC	20
Carbon disulfide	ND			ND		ug/L				NC	20
Carbon tetrachloride	ND			ND		ug/L				NC	20
Chlorobenzene	ND			ND		ug/L				NC	20
Chloroethane	ND			ND		ug/L				NC	20
Chloroform	ND			ND		ug/L				NC	20
Chloromethane	ND			ND		ug/L				NC	20
cis-1,2-Dichloroethene	ND			ND		ug/L				NC	20
cis-1,3-Dichloropropene	ND			ND		ug/L				NC	20
Dibromomethane	ND			ND		ug/L				NC	20
Dichlorodifluoromethane	ND			ND		ug/L				NC	20
Ethylbenzene	0.67			0.694		ug/L				3	20
Hexachlorobutadiene	ND			ND		ug/L				NC	20
Isopropylbenzene	ND			ND		ug/L				NC	20
Methyl-tert-butyl Ether (MTBE)	ND			ND		ug/L				NC	20
Methylene Chloride	ND			ND		ug/L				NC	20
n-Butylbenzene	ND			ND		ug/L				NC	20
N-Propylbenzene	ND			ND		ug/L				NC	20
Naphthalene	ND			ND		ug/L				NC	20
sec-Butylbenzene	ND			ND		ug/L				NC	20
Styrene	ND			ND		ug/L				NC	20
tert-Butylbenzene	ND			ND		ug/L				NC	20
Tetrachloroethene (PCE)	ND			ND		ug/L				NC	20
Toluene	3.3			3.29		ug/L				0.4	20
trans-1,2-Dichloroethene	ND			ND		ug/L				NC	20
trans-1,3-Dichloropropene	ND			ND		ug/L				NC	20
Trichloroethene (TCE)	ND			ND		ug/L				NC	20
Trichlorofluoromethane	ND			ND		ug/L				NC	20
Vinyl chloride	ND			ND		ug/L				NC	20
Xylenes, Total	25			25.9		ug/L				2	20

QC Sample Results

Client: Hilcorp Energy
Project/Site: Hare 15

Job ID: 885-23318-1

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

Lab Sample ID: 885-23318-1 DU
Matrix: Air
Analysis Batch: 24727

Client Sample ID: Influent 04-11-25
Prep Type: Total/NA

Surrogate	DU %Recovery	DU Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	83		70 - 130
Toluene-d8 (Surr)	91		70 - 130
4-Bromofluorobenzene (Surr)	108		70 - 130
Dibromofluoromethane (Surr)	85		70 - 130

QC Association Summary

Client: Hilcorp Energy
Project/Site: Hare 15

Job ID: 885-23318-1

GC/MS VOA

Analysis Batch: 24727

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-23318-1	Influent 04-11-25	Total/NA	Air	8260B	
MB 885-24727/4	Method Blank	Total/NA	Air	8260B	
LCS 885-24727/3	Lab Control Sample	Total/NA	Air	8260B	
885-23318-1 DU	Influent 04-11-25	Total/NA	Air	8260B	

Analysis Batch: 24739

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-23318-1	Influent 04-11-25	Total/NA	Air	8015M/D	
MB 885-24739/4	Method Blank	Total/NA	Air	8015M/D	
LCS 885-24739/3	Lab Control Sample	Total/NA	Air	8015M/D	
885-23318-1 DU	Influent 04-11-25	Total/NA	Air	8015M/D	

Lab Chronicle

Client: Hilcorp Energy
Project/Site: Hare 15

Job ID: 885-23318-1

Client Sample ID: Influent 04-11-25

Date Collected: 04/11/25 14:45
Date Received: 04/16/25 09:55

Lab Sample ID: 885-23318-1

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015M/D		5	24739	JP	EET ALB	04/22/25 17:51
Total/NA	Analysis	8260B		5	24727	JP	EET ALB	04/22/25 17:51

Laboratory References:

= , 1120 South 27th Street, Billings, MT 59101, TEL (406)252-6325

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

Accreditation/Certification Summary

Client: Hilcorp Energy
Project/Site: Hare 15

Job ID: 885-23318-1

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
8015M/D		Air	Gasoline Range Organics [C6 - C10]
8260B		Air	1,1,1,2-Tetrachloroethane
8260B		Air	1,1,1-Trichloroethane
8260B		Air	1,1,2,2-Tetrachloroethane
8260B		Air	1,1,2-Trichloroethane
8260B		Air	1,1-Dichloroethane
8260B		Air	1,1-Dichloroethene
8260B		Air	1,1-Dichloropropene
8260B		Air	1,2,3-Trichlorobenzene
8260B		Air	1,2,3-Trichloropropane
8260B		Air	1,2,4-Trichlorobenzene
8260B		Air	1,2,4-Trimethylbenzene
8260B		Air	1,2-Dibromo-3-Chloropropane
8260B		Air	1,2-Dibromoethane (EDB)
8260B		Air	1,2-Dichlorobenzene
8260B		Air	1,2-Dichloroethane (EDC)
8260B		Air	1,2-Dichloropropane
8260B		Air	1,3,5-Trimethylbenzene
8260B		Air	1,3-Dichlorobenzene
8260B		Air	1,3-Dichloropropane
8260B		Air	1,4-Dichlorobenzene
8260B		Air	1-Methylnaphthalene
8260B		Air	2,2-Dichloropropane
8260B		Air	2-Butanone
8260B		Air	2-Chlorotoluene
8260B		Air	2-Hexanone
8260B		Air	2-Methylnaphthalene
8260B		Air	4-Chlorotoluene
8260B		Air	4-Isopropyltoluene
8260B		Air	4-Methyl-2-pentanone
8260B		Air	Acetone
8260B		Air	Benzene
8260B		Air	Bromobenzene
8260B		Air	Bromodichloromethane
8260B		Air	Bromoform
8260B		Air	Bromomethane
8260B		Air	Carbon disulfide
8260B		Air	Carbon tetrachloride
8260B		Air	Chlorobenzene
8260B		Air	Chloroethane
8260B		Air	Chloroform
8260B		Air	Chloromethane
8260B		Air	cis-1,2-Dichloroethene
8260B		Air	cis-1,3-Dichloropropene
8260B		Air	Dibromochloromethane

Accreditation/Certification Summary

Client: Hilcorp Energy
Project/Site: Hare 15

Job ID: 885-23318-1

Laboratory: Eurofins Albuquerque (Continued)

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

Authority	Program	Identification Number	Expiration Date

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		Air	Dibromomethane
8260B		Air	Dichlorodifluoromethane
8260B		Air	Ethylbenzene
8260B		Air	Hexachlorobutadiene
8260B		Air	Isopropylbenzene
8260B		Air	Methylene Chloride
8260B		Air	Methyl-tert-butyl Ether (MTBE)
8260B		Air	Naphthalene
8260B		Air	n-Butylbenzene
8260B		Air	N-Propylbenzene
8260B		Air	sec-Butylbenzene
8260B		Air	Styrene
8260B		Air	tert-Butylbenzene
8260B		Air	Tetrachloroethene (PCE)
8260B		Air	Toluene
8260B		Air	trans-1,2-Dichloroethene
8260B		Air	trans-1,3-Dichloropropene
8260B		Air	Trichloroethene (TCE)
8260B		Air	Trichlorofluoromethane
8260B		Air	Vinyl chloride
8260B		Air	Xylenes, Total

Oregon	NELAP	NM100001	02-26-26

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
8015M/D		Air	Gasoline Range Organics [C6 - C10]
8260B		Air	1,1,1,2-Tetrachloroethane
8260B		Air	1,1,1-Trichloroethane
8260B		Air	1,1,2,2-Tetrachloroethane
8260B		Air	1,1,2-Trichloroethane
8260B		Air	1,1-Dichloroethane
8260B		Air	1,1-Dichloroethene
8260B		Air	1,1-Dichloropropene
8260B		Air	1,2,3-Trichlorobenzene
8260B		Air	1,2,3-Trichloropropane
8260B		Air	1,2,4-Trichlorobenzene
8260B		Air	1,2,4-Trimethylbenzene
8260B		Air	1,2-Dibromo-3-Chloropropane
8260B		Air	1,2-Dibromoethane (EDB)
8260B		Air	1,2-Dichlorobenzene
8260B		Air	1,2-Dichloroethane (EDC)
8260B		Air	1,2-Dichloropropane
8260B		Air	1,3,5-Trimethylbenzene
8260B		Air	1,3-Dichlorobenzene
8260B		Air	1,3-Dichloropropane
8260B		Air	1,4-Dichlorobenzene

Accreditation/Certification Summary

Client: Hilcorp Energy
Project/Site: Hare 15

Job ID: 885-23318-1

Laboratory: Eurofins Albuquerque (Continued)

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

Authority	Program	Identification Number	Expiration Date

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		Air	1-Methylnaphthalene
8260B		Air	2,2-Dichloropropane
8260B		Air	2-Butanone
8260B		Air	2-Chlorotoluene
8260B		Air	2-Hexanone
8260B		Air	2-Methylnaphthalene
8260B		Air	4-Chlorotoluene
8260B		Air	4-Isopropyltoluene
8260B		Air	4-Methyl-2-pentanone
8260B		Air	Acetone
8260B		Air	Benzene
8260B		Air	Bromobenzene
8260B		Air	Bromodichloromethane
8260B		Air	Bromoform
8260B		Air	Bromomethane
8260B		Air	Carbon disulfide
8260B		Air	Carbon tetrachloride
8260B		Air	Chlorobenzene
8260B		Air	Chloroethane
8260B		Air	Chloroform
8260B		Air	Chloromethane
8260B		Air	cis-1,2-Dichloroethene
8260B		Air	cis-1,3-Dichloropropene
8260B		Air	Dibromochloromethane
8260B		Air	Dibromomethane
8260B		Air	Dichlorodifluoromethane
8260B		Air	Ethylbenzene
8260B		Air	Hexachlorobutadiene
8260B		Air	Isopropylbenzene
8260B		Air	Methylene Chloride
8260B		Air	Methyl-tert-butyl Ether (MTBE)
8260B		Air	Naphthalene
8260B		Air	n-Butylbenzene
8260B		Air	N-Propylbenzene
8260B		Air	sec-Butylbenzene
8260B		Air	Styrene
8260B		Air	tert-Butylbenzene
8260B		Air	Tetrachloroethene (PCE)
8260B		Air	Toluene
8260B		Air	trans-1,2-Dichloroethene
8260B		Air	trans-1,3-Dichloropropene
8260B		Air	Trichloroethene (TCE)
8260B		Air	Trichlorofluoromethane
8260B		Air	Vinyl chloride
8260B		Air	Xylenes, Total

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ANALYTICAL SUMMARY REPORT

April 22, 2025

Eurofins TestAmerica - Albuquerque
4901 Hawkins St NE Ste D
Albuquerque, NM 87109-4372

Work Order: B25041362 Quote ID: B15626

Project Name: Hare 15 88501698

Energy Laboratories Inc Billings MT received the following 1 sample for Eurofins TestAmerica - Albuquerque on 4/17/2025 for analysis.

Lab ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
B25041362-001	Influent 04-11-25 (885-23318-1)	04/11/25 14:45	04/17/25	Air	Air Correction Calculations Appearance and Comments Calculated Properties GPM @ std cond,/1000 cu. ft., moist. Free Natural Gas Analysis Specific Gravity @ 60/60

The analyses presented in this report were performed by Energy Laboratories, Inc., 1120 So. 27th Street, Billings, MT 59101, unless otherwise noted. Any exceptions or problems with the analyses are noted in the report package. Any issues encountered during sample receipt are documented in the Work Order Receipt Checklist.

The results as reported relate only to the item(s) submitted for testing. This report shall be used or copied only in its entirety. Energy Laboratories, Inc. is not responsible for the consequences arising from the use of a partial report.

Energy Laboratories, Inc. verifies the reported results for the analysis has been technically reviewed and approved for release.

If you have any questions regarding these test results, please contact your Project Manager.

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LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Eurofins TestAmerica - Albuquerque
Project: Hare 15 88501698
Lab ID: B25041362-001
Client Sample ID: Influent 04-11-25 (885-23318-1)

Report Date: 04/22/25
Collection Date: 04/11/25 14:45
DateReceived: 04/17/25
Matrix: Air

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
GAS CHROMATOGRAPHY ANALYSIS REPORT							
Oxygen	21.78	Mol %		0.01		GPA 2261-13	04/18/25 11:04 / jrj
Nitrogen	77.83	Mol %		0.01		GPA 2261-13	04/18/25 11:04 / jrj
Carbon Dioxide	0.38	Mol %		0.01		GPA 2261-13	04/18/25 11:04 / jrj
Hydrogen Sulfide	<0.01	Mol %		0.01		GPA 2261-13	04/18/25 11:04 / jrj
Methane	<0.01	Mol %		0.01		GPA 2261-13	04/18/25 11:04 / jrj
Ethane	<0.01	Mol %		0.01		GPA 2261-13	04/18/25 11:04 / jrj
Propane	<0.01	Mol %		0.01		GPA 2261-13	04/18/25 11:04 / jrj
Isobutane	<0.01	Mol %		0.01		GPA 2261-13	04/18/25 11:04 / jrj
n-Butane	<0.01	Mol %		0.01		GPA 2261-13	04/18/25 11:04 / jrj
Isopentane	<0.01	Mol %		0.01		GPA 2261-13	04/18/25 11:04 / jrj
n-Pentane	<0.01	Mol %		0.01		GPA 2261-13	04/18/25 11:04 / jrj
Hexanes plus	0.01	Mol %		0.01		GPA 2261-13	04/18/25 11:04 / jrj
Propane	< 0.001	gpm		0.001		GPA 2261-13	04/18/25 11:04 / jrj
Isobutane	< 0.001	gpm		0.001		GPA 2261-13	04/18/25 11:04 / jrj
n-Butane	< 0.001	gpm		0.001		GPA 2261-13	04/18/25 11:04 / jrj
Isopentane	< 0.001	gpm		0.001		GPA 2261-13	04/18/25 11:04 / jrj
n-Pentane	< 0.001	gpm		0.001		GPA 2261-13	04/18/25 11:04 / jrj
Hexanes plus	0.004	gpm		0.001		GPA 2261-13	04/18/25 11:04 / jrj
GPM Total	0.004	gpm		0.001		GPA 2261-13	04/18/25 11:04 / jrj
GPM Pentanes plus	0.004	gpm		0.001		GPA 2261-13	04/18/25 11:04 / jrj
CALCULATED PROPERTIES							
Gross BTU per cu ft @ Std Cond. (HHV)	ND			1		GPA 2261-13	04/18/25 11:04 / jrj
Net BTU per cu ft @ std cond. (LHV)	ND			1		GPA 2261-13	04/18/25 11:04 / jrj
Pseudo-critical Pressure, psia	547			1		GPA 2261-13	04/18/25 11:04 / jrj
Pseudo-critical Temperature, deg R	240			1		GPA 2261-13	04/18/25 11:04 / jrj
Specific Gravity @ 60/60F	1.00			0.001		D3588-81	04/18/25 11:04 / jrj
Air, %	99.51			0.01		GPA 2261-13	04/18/25 11:04 / jrj
- The analysis was not corrected for air.							
COMMENTS							
-						-	04/18/25 11:04 / jrj

- BTU, GPM, and specific gravity are corrected for deviation from ideal gas behavior.
- GPM = gallons of liquid at standard conditions per 1000 cu. ft. of moisture free gas @ standard conditions.
- To convert BTU to a water-saturated basis @ standard conditions, multiply by 0.9825.
- Standard conditions: 60 F & 14.73 psi on a dry basis.

Report Definitions:
RL - Analyte Reporting Limit
QCL - Quality Control Limit
MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)

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QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25041362 **Report Date:** 04/22/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **GPA 2261-13**										Batch: R439993
Lab ID: **B25041362-001ADUP**	12	Sample Duplicate				Run: GC7890_250418A			04/18/25 11:53	
Oxygen		21.6	Mol %	0.01				0.8	20	
Nitrogen		78.0	Mol %	0.01				0.2	20	
Carbon Dioxide		0.38	Mol %	0.01				0.0	20	
Hydrogen Sulfide		<0.01	Mol %	0.01					20	
Methane		<0.01	Mol %	0.01					20	
Ethane		<0.01	Mol %	0.01					20	
Propane		<0.01	Mol %	0.01					20	
Isobutane		<0.01	Mol %	0.01					20	
n-Butane		<0.01	Mol %	0.01					20	
Isopentane		<0.01	Mol %	0.01					20	
n-Pentane		<0.01	Mol %	0.01					20	
Hexanes plus		0.01	Mol %	0.01				0.0	20	
Lab ID: **LCS041825**	11	Laboratory Control Sample				Run: GC7890_250418A			04/18/25 13:36	
Oxygen		0.60	Mol %	0.01	122	70	130			
Nitrogen		6.09	Mol %	0.01	103	70	130			
Carbon Dioxide		0.97	Mol %	0.01	97	70	130			
Methane		76.2	Mol %	0.01	100	70	130			
Ethane		6.15	Mol %	0.01	102	70	130			
Propane		5.03	Mol %	0.01	101	70	130			
Isobutane		1.68	Mol %	0.01	84	70	130			
n-Butane		2.03	Mol %	0.01	102	70	130			
Isopentane		0.51	Mol %	0.01	102	70	130			
n-Pentane		0.53	Mol %	0.01	106	70	130			
Hexanes plus		0.24	Mol %	0.01	116	70	130			

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

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Billings, MT 406.252.6325 • Casper, WY 307.235.0515
Gillette, WY 307.686.7175 • Helena, MT 406.442.0711

Work Order Receipt Checklist

Eurofins TestAmerica - Albuquerque B25041362

Login completed by: Kyelie L. Pflock
Date Received: 4/17/2025
Reviewed by: lcadreau
Received by: DNH
Reviewed Date: 4/18/2025
Carrier name: FedEx NDA

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on all shipping container(s)/cooler(s)?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on all sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time? (Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.)	Yes ☑	No ☐	
Temp Blank received in all shipping container(s)/cooler(s)?	Yes ☐	No ☑	Not Applicable ☐
Container/Temp Blank temperature:	9.4°C No Ice		
Containers requiring zero headspace have no headspace or bubble that is <6mm (1/4").	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Not Applicable ☑

Standard Reporting Procedures:

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as –dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

The reference date for Radon analysis is the sample collection date. The reference date for all other Radiochemical analyses is the analysis date. Radiochemical precision results represent a 2-sigma Total Measurement Uncertainty.

For methods that require zero headspace or require preservation check at the time of analysis due to potential interference, the pH is verified at analysis. Nonconforming sample pH is documented as part of the analysis and included in the sample analysis comments.

Trip Blanks and/or Blind Duplicate samples are assigned the earliest collection time for the associated requested analysis in order to evaluate the holding time unless specifically indicated.

Contact and Corrective Action Comments:

None

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Gillette, WY 307.686.7175 • Helena, MT 406.442.0711

Laboratory Certifications and Accreditations

Current certificates are available at www.energylab.com website:

	Agency	Number
Billings, MT	Alaska	17-023
	California	3087
	Colorado	MT00005
	Department of Defense (DoD)/ISO17025	ADE-2588
	Florida (Primary NELAP)	E87668
	Idaho	MT00005
	Louisiana	05079
	Montana	CERT0044
	Nebraska	NE-OS-13-04
	Nevada	NV-C24-00250
	North Dakota	R-007
	National Radon Proficiency	109383-RMP
	Oregon	4184
	South Dakota	ARSD 74:04:07
	Texas	TX-C24-00302
	US EPA Region VIII	Reciprocal
	USDA Soil Permit	P330-20-00170
	Washington	C1039
Casper, WY	Alaska	20-006
	California	3021
	Colorado	WY00002
	Florida (Primary NELAP)	E87641
	Idaho	WY00002
	Louisiana	05083
	Montana	CERT0002
	Nebraska	NE-OS-08-04
	Nevada	NV-C24-00245
	North Dakota	R-125
	Oregon	WY200001
	South Dakota	WY00002
	Texas	T104704181-23-21
	US EPA Region VIII	WY00002
	USNRC License	49-26846-01
	Washington	C1012
Gillette, WY	US EPA Region VIII	WY00006
Helena, MT	Colorado	MT00945
	Montana	CERT0079
	Nevada	NV-C24-00119
	US EPA Region VIII	Reciprocal
	USDA Soil Permit	P330-20-00090

Released to Imaging: 7/29/2025 8:04:10 AM
Received by OCD: 7/15/2025 10:09:58 AM

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque, NM 87109
Phone: 505-345-3975 Fax: 505-345-4107

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Garcia, Michelle	Carrier Tracking No(s): N/A	COC No: 885-4564.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: michelle.garcia@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Energy Laboratories, Inc.		Accreditations Required (See note): NELAP - Oregon; State - New Mexico		Job #: 885-23318-1
Address: 1120 South 27th Street, ,	Due Date Requested: 4/23/2025			
City: Billings	TAT Requested (days): N/A			
State, Zip: MT, 59101				
Phone: 406-252-6325(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Hare 15	Project #: 88501698			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes: -

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SUB (Fixed Gases)/ Fixed Gases	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
Influent 04-11-25 (885-23318-1)	4/11/25	14:45 Mountain	G	Air			X	1	See Attached Instructions B25041362

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by:	Date/Time: 4/16/25 1400	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 04/17/25 1040	Company
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:		

Ver: 10/10/2024

Released to Imaging: 7/29/2025 8:04:10 AM
Received by OCD: 7/15/2025 10:09:58 AM

Chain-of-Custody Record

Client: Hilcorp
-Attn: Mitch Kilough
Mailing Address:

Phone #:
email or Fax#:
QA/QC Package.
☐ Standard ☐ Level 4 (Full Validation)
Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other
☐ EDD (Type)

Turn-Around Time:
5 Day
☒ Standard ☐ Rush
Project Name: Hare 15
Project #:
Project Manager: Stuart Hyde
Sampler: D. Burns
On Ice: ☐ Yes ~~☐ No~~
# of Coolers: 1
Cooler Temp(Including CF): N/A (°C)

HALL ENVIRONMENTAL ANALYSIS LABO
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87
Tel. 505-345-3975 Fax 505-345-410
885-23318 COC

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D (GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA) Full List	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Fixed Gas On Col
4-11 2025	1445	Air	Influent 04-11-25	2-1liter	—			X						X			X

Date	Time	Relinquished by	Received by	Via	Date	Time
4-15 2025	1406			Fed Ex	4/16/25	9:55
Date	Time	Relinquished by	Received by	Via	Date	Time

Remarks: cc: dburns hmishriki@ensolum.com

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: 885-23318-1

Login Number: 23318 **List Source: Eurofins Albuquerque**
List Number: 1
Creator: McQuiston, Steven

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.	False	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	N/A	
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	

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 5/19/2025 10:00:37 AM

JOB DESCRIPTION

Hare 15

JOB NUMBER

885-23963-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.

Released to Imaging: 7/29/2025 8:04:10 AM

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

Generated
5/19/2025 10:00:37 AM

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

Client: Hilcorp Energy
Project/Site: Hare 15

Laboratory Job ID: 885-23963-1

Table of Contents

Definitions/Glossary

Client: Hilcorp Energy
Project/Site: Hare 15

Job ID: 885-23963-1

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: Hare 15

Job ID: 885-23963-1

Job ID: 885-23963-1 Eurofins Albuquerque

Job Narrative
885-23963-1

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 4/30/2025 6:45 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 0.0°C.

Subcontract Work
Method Fixed Gases: This method was subcontracted to Energy Laboratories, Inc. The subcontract laboratory certification is different from that of the facility issuing the final report. The subcontract report is appended in its entirety.

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

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

Client Sample Results

Client: Hilcorp Energy
Project/Site: Hare 15

Job ID: 885-23963-1

Client Sample ID: SVE-1
Date Collected: 04/29/25 13:00
Date Received: 04/30/25 06:45
Sample Container: Tedlar Bag 1L

Lab Sample ID: 885-23963-1
Matrix: Air

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.10		ug/L			05/06/25 12:35	1
1,1,1-Trichloroethane	ND		0.10		ug/L			05/06/25 12:35	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			05/06/25 12:35	1
1,1,2-Trichloroethane	ND		0.10		ug/L			05/06/25 12:35	1
1,1-Dichloroethane	ND		0.10		ug/L			05/06/25 12:35	1
1,1-Dichloroethene	ND		0.10		ug/L			05/06/25 12:35	1
1,1-Dichloropropene	ND		0.10		ug/L			05/06/25 12:35	1
1,2,3-Trichlorobenzene	ND		0.10		ug/L			05/06/25 12:35	1
1,2,3-Trichloropropane	ND		0.20		ug/L			05/06/25 12:35	1
1,2,4-Trichlorobenzene	ND		0.10		ug/L			05/06/25 12:35	1
1,2,4-Trimethylbenzene	**2.5**		0.10		ug/L			05/06/25 12:35	1
1,2-Dibromo-3-Chloropropane	ND		0.20		ug/L			05/06/25 12:35	1
1,2-Dibromoethane (EDB)	ND		0.10		ug/L			05/06/25 12:35	1
1,2-Dichlorobenzene	ND		0.10		ug/L			05/06/25 12:35	1
1,2-Dichloroethane (EDC)	ND		0.10		ug/L			05/06/25 12:35	1
1,2-Dichloropropane	ND		0.10		ug/L			05/06/25 12:35	1
1,3,5-Trimethylbenzene	**4.0**		0.10		ug/L			05/06/25 12:35	1
1,3-Dichlorobenzene	ND		0.10		ug/L			05/06/25 12:35	1
1,3-Dichloropropane	ND		0.10		ug/L			05/06/25 12:35	1
1,4-Dichlorobenzene	ND		0.10		ug/L			05/06/25 12:35	1
1-Methylnaphthalene	ND		0.40		ug/L			05/06/25 12:35	1
2,2-Dichloropropane	ND		0.20		ug/L			05/06/25 12:35	1
2-Butanone	ND		1.0		ug/L			05/06/25 12:35	1
2-Chlorotoluene	ND		0.10		ug/L			05/06/25 12:35	1
2-Hexanone	ND		1.0		ug/L			05/06/25 12:35	1
2-Methylnaphthalene	ND		0.40		ug/L			05/06/25 12:35	1
4-Chlorotoluene	ND		0.10		ug/L			05/06/25 12:35	1
4-Isopropyltoluene	**0.21**		0.10		ug/L			05/06/25 12:35	1
4-Methyl-2-pentanone	ND		1.0		ug/L			05/06/25 12:35	1
Acetone	ND		1.0		ug/L			05/06/25 12:35	1
Benzene	**0.78**		0.10		ug/L			05/06/25 12:35	1
Bromobenzene	ND		0.10		ug/L			05/06/25 12:35	1
Bromodichloromethane	ND		0.10		ug/L			05/06/25 12:35	1
Dibromochloromethane	ND		0.10		ug/L			05/06/25 12:35	1
Bromoform	ND		0.10		ug/L			05/06/25 12:35	1
Bromomethane	ND		0.30		ug/L			05/06/25 12:35	1
Carbon disulfide	ND		1.0		ug/L			05/06/25 12:35	1
Carbon tetrachloride	ND		0.10		ug/L			05/06/25 12:35	1
Chlorobenzene	ND		0.10		ug/L			05/06/25 12:35	1
Chloroethane	ND		0.20		ug/L			05/06/25 12:35	1
Chloroform	ND		0.10		ug/L			05/06/25 12:35	1
Chloromethane	ND		0.30		ug/L			05/06/25 12:35	1
cis-1,2-Dichloroethene	ND		0.10		ug/L			05/06/25 12:35	1
cis-1,3-Dichloropropene	ND		0.10		ug/L			05/06/25 12:35	1
Dibromomethane	ND		0.10		ug/L			05/06/25 12:35	1
Dichlorodifluoromethane	ND		0.10		ug/L			05/06/25 12:35	1
Ethylbenzene	**0.75**		0.10		ug/L			05/06/25 12:35	1
Hexachlorobutadiene	ND		0.10		ug/L			05/06/25 12:35	1

Client Sample Results

Client: Hilcorp Energy
Project/Site: Hare 15

Job ID: 885-23963-1

Client Sample ID: SVE-1
Date Collected: 04/29/25 13:00
Date Received: 04/30/25 06:45
Sample Container: Tedlar Bag 1L

Lab Sample ID: 885-23963-1
Matrix: Air

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	**0.24**		0.10		ug/L			05/06/25 12:35	1
Methyl-tert-butyl Ether (MTBE)	ND		0.10		ug/L			05/06/25 12:35	1
Methylene Chloride	ND		0.30		ug/L			05/06/25 12:35	1
n-Butylbenzene	ND		0.30		ug/L			05/06/25 12:35	1
N-Propylbenzene	**0.28**		0.10		ug/L			05/06/25 12:35	1
Naphthalene	ND		0.20		ug/L			05/06/25 12:35	1
sec-Butylbenzene	**0.12**		0.10		ug/L			05/06/25 12:35	1
Styrene	ND		0.10		ug/L			05/06/25 12:35	1
tert-Butylbenzene	ND		0.10		ug/L			05/06/25 12:35	1
Tetrachloroethene (PCE)	ND		0.10		ug/L			05/06/25 12:35	1
Toluene	**4.6**		0.10		ug/L			05/06/25 12:35	1
trans-1,2-Dichloroethene	ND		0.10		ug/L			05/06/25 12:35	1
trans-1,3-Dichloropropene	ND		0.10		ug/L			05/06/25 12:35	1
Trichloroethene (TCE)	ND		0.10		ug/L			05/06/25 12:35	1
Trichlorofluoromethane	ND		0.10		ug/L			05/06/25 12:35	1
Vinyl chloride	ND		0.10		ug/L			05/06/25 12:35	1
Xylenes, Total	**20**		0.15		ug/L			05/06/25 12:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*		*05/06/25 12:35*	*1*
Toluene-d8 (Surr)	*105*		*70 - 130*		*05/06/25 12:35*	*1*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*		*05/06/25 12:35*	*1*
Dibromofluoromethane (Surr)	*103*		*70 - 130*		*05/06/25 12:35*	*1*

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	**810**		25		ug/L			05/12/25 13:55	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*170*		*15 - 412*		*05/12/25 13:55*	*5*

QC Sample Results

Client: Hilcorp Energy
Project/Site: Hare 15

Job ID: 885-23963-1

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

Lab Sample ID: MB 885-25559/5
Matrix: Air
Analysis Batch: 25559

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.10		ug/L			05/06/25 12:07	1
1,1,1-Trichloroethane	ND		0.10		ug/L			05/06/25 12:07	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			05/06/25 12:07	1
1,1,2-Trichloroethane	ND		0.10		ug/L			05/06/25 12:07	1
1,1-Dichloroethane	ND		0.10		ug/L			05/06/25 12:07	1
1,1-Dichloroethene	ND		0.10		ug/L			05/06/25 12:07	1
1,1-Dichloropropene	ND		0.10		ug/L			05/06/25 12:07	1
1,2,3-Trichlorobenzene	ND		0.10		ug/L			05/06/25 12:07	1
1,2,3-Trichloropropane	ND		0.20		ug/L			05/06/25 12:07	1
1,2,4-Trichlorobenzene	ND		0.10		ug/L			05/06/25 12:07	1
1,2,4-Trimethylbenzene	ND		0.10		ug/L			05/06/25 12:07	1
1,2-Dibromo-3-Chloropropane	ND		0.20		ug/L			05/06/25 12:07	1
1,2-Dibromoethane (EDB)	ND		0.10		ug/L			05/06/25 12:07	1
1,2-Dichlorobenzene	ND		0.10		ug/L			05/06/25 12:07	1
1,2-Dichloroethane (EDC)	ND		0.10		ug/L			05/06/25 12:07	1
1,2-Dichloropropane	ND		0.10		ug/L			05/06/25 12:07	1
1,3,5-Trimethylbenzene	ND		0.10		ug/L			05/06/25 12:07	1
1,3-Dichlorobenzene	ND		0.10		ug/L			05/06/25 12:07	1
1,3-Dichloropropane	ND		0.10		ug/L			05/06/25 12:07	1
1,4-Dichlorobenzene	ND		0.10		ug/L			05/06/25 12:07	1
1-Methylnaphthalene	ND		0.40		ug/L			05/06/25 12:07	1
2,2-Dichloropropane	ND		0.20		ug/L			05/06/25 12:07	1
2-Butanone	ND		1.0		ug/L			05/06/25 12:07	1
2-Chlorotoluene	ND		0.10		ug/L			05/06/25 12:07	1
2-Hexanone	ND		1.0		ug/L			05/06/25 12:07	1
2-Methylnaphthalene	ND		0.40		ug/L			05/06/25 12:07	1
4-Chlorotoluene	ND		0.10		ug/L			05/06/25 12:07	1
4-Isopropyltoluene	ND		0.10		ug/L			05/06/25 12:07	1
4-Methyl-2-pentanone	ND		1.0		ug/L			05/06/25 12:07	1
Acetone	ND		1.0		ug/L			05/06/25 12:07	1
Benzene	ND		0.10		ug/L			05/06/25 12:07	1
Bromobenzene	ND		0.10		ug/L			05/06/25 12:07	1
Bromodichloromethane	ND		0.10		ug/L			05/06/25 12:07	1
Dibromochloromethane	ND		0.10		ug/L			05/06/25 12:07	1
Bromoform	ND		0.10		ug/L			05/06/25 12:07	1
Bromomethane	ND		0.30		ug/L			05/06/25 12:07	1
Carbon disulfide	ND		1.0		ug/L			05/06/25 12:07	1
Carbon tetrachloride	ND		0.10		ug/L			05/06/25 12:07	1
Chlorobenzene	ND		0.10		ug/L			05/06/25 12:07	1
Chloroethane	ND		0.20		ug/L			05/06/25 12:07	1
Chloroform	ND		0.10		ug/L			05/06/25 12:07	1
Chloromethane	ND		0.30		ug/L			05/06/25 12:07	1
cis-1,2-Dichloroethene	ND		0.10		ug/L			05/06/25 12:07	1
cis-1,3-Dichloropropene	ND		0.10		ug/L			05/06/25 12:07	1
Dibromomethane	ND		0.10		ug/L			05/06/25 12:07	1
Dichlorodifluoromethane	ND		0.10		ug/L			05/06/25 12:07	1
Ethylbenzene	ND		0.10		ug/L			05/06/25 12:07	1
Hexachlorobutadiene	ND		0.10		ug/L			05/06/25 12:07	1

QC Sample Results

Client: Hilcorp Energy
Project/Site: Hare 15

Job ID: 885-23963-1

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

Lab Sample ID: MB 885-25559/5
Matrix: Air
Analysis Batch: 25559

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		0.10		ug/L			05/06/25 12:07	1
Methyl-tert-butyl Ether (MTBE)	ND		0.10		ug/L			05/06/25 12:07	1
Methylene Chloride	ND		0.30		ug/L			05/06/25 12:07	1
n-Butylbenzene	ND		0.30		ug/L			05/06/25 12:07	1
N-Propylbenzene	ND		0.10		ug/L			05/06/25 12:07	1
Naphthalene	ND		0.20		ug/L			05/06/25 12:07	1
sec-Butylbenzene	ND		0.10		ug/L			05/06/25 12:07	1
Styrene	ND		0.10		ug/L			05/06/25 12:07	1
tert-Butylbenzene	ND		0.10		ug/L			05/06/25 12:07	1
Tetrachloroethene (PCE)	ND		0.10		ug/L			05/06/25 12:07	1
Toluene	ND		0.10		ug/L			05/06/25 12:07	1
trans-1,2-Dichloroethene	ND		0.10		ug/L			05/06/25 12:07	1
trans-1,3-Dichloropropene	ND		0.10		ug/L			05/06/25 12:07	1
Trichloroethene (TCE)	ND		0.10		ug/L			05/06/25 12:07	1
Trichlorofluoromethane	ND		0.10		ug/L			05/06/25 12:07	1
Vinyl chloride	ND		0.10		ug/L			05/06/25 12:07	1
Xylenes, Total	ND		0.15		ug/L			05/06/25 12:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*		*05/06/25 12:07*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*05/06/25 12:07*	*1*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*05/06/25 12:07*	*1*
Dibromofluoromethane (Surr)	*100*		*70 - 130*		*05/06/25 12:07*	*1*

Lab Sample ID: LCS 885-25559/4
Matrix: Air
Analysis Batch: 25559

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,1-Dichloroethene			2.00	1.64		ug/L		82	70 - 130		
Benzene			2.00	1.95		ug/L		98	70 - 130		
Chlorobenzene			2.00	2.05		ug/L		102	70 - 130		
Toluene			2.00	2.00		ug/L		100	70 - 130		
Trichloroethene (TCE)			2.00	1.75		ug/L		87	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*
Toluene-d8 (Surr)	*101*		*70 - 130*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
Dibromofluoromethane (Surr)	*99*		*70 - 130*

Lab Sample ID: 885-23963-1 DU
Matrix: Air
Analysis Batch: 25559

Client Sample ID: SVE-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND			ND		ug/L				NC	20
1,1,1-Trichloroethane	ND			ND		ug/L				NC	20

Eurofins Albuquerque

QC Sample Results

Client: Hilcorp Energy
Project/Site: Hare 15

Job ID: 885-23963-1

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

Lab Sample ID: 885-23963-1 DU
Matrix: Air
Analysis Batch: 25559

Client Sample ID: SVE-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
1,1,2,2-Tetrachloroethane	ND			ND		ug/L				NC	20
1,1,2-Trichloroethane	ND			ND		ug/L				NC	20
1,1-Dichloroethane	ND			ND		ug/L				NC	20
1,1-Dichloroethene	ND			ND		ug/L				NC	20
1,1-Dichloropropene	ND			ND		ug/L				NC	20
1,2,3-Trichlorobenzene	ND			ND		ug/L				NC	20
1,2,3-Trichloropropane	ND			ND		ug/L				NC	20
1,2,4-Trichlorobenzene	ND			ND		ug/L				NC	20
1,2,4-Trimethylbenzene	2.5			2.48		ug/L				0.3	20
1,2-Dibromo-3-Chloropropane	ND			ND		ug/L				NC	20
1,2-Dibromoethane (EDB)	ND			ND		ug/L				NC	20
1,2-Dichlorobenzene	ND			ND		ug/L				NC	20
1,2-Dichloroethane (EDC)	ND			ND		ug/L				NC	20
1,2-Dichloropropane	ND			ND		ug/L				NC	20
1,3,5-Trimethylbenzene	4.0			3.99		ug/L				1	20
1,3-Dichlorobenzene	ND			ND		ug/L				NC	20
1,3-Dichloropropane	ND			ND		ug/L				NC	20
1,4-Dichlorobenzene	ND			ND		ug/L				NC	20
1-Methylnaphthalene	ND			ND		ug/L				NC	20
2,2-Dichloropropane	ND			ND		ug/L				NC	20
2-Butanone	ND			ND		ug/L				NC	20
2-Chlorotoluene	ND			ND		ug/L				NC	20
2-Hexanone	ND			ND		ug/L				NC	20
2-Methylnaphthalene	ND			ND		ug/L				NC	20
4-Chlorotoluene	ND			ND		ug/L				NC	20
4-Isopropyltoluene	0.21			0.200		ug/L				4	20
4-Methyl-2-pentanone	ND			ND		ug/L				NC	20
Acetone	ND			ND		ug/L				NC	20
Benzene	0.78			0.772		ug/L				1	20
Bromobenzene	ND			ND		ug/L				NC	20
Bromodichloromethane	ND			ND		ug/L				NC	20
Dibromochloromethane	ND			ND		ug/L				NC	20
Bromoform	ND			ND		ug/L				NC	20
Bromomethane	ND			ND		ug/L				NC	20
Carbon disulfide	ND			ND		ug/L				NC	20
Carbon tetrachloride	ND			ND		ug/L				NC	20
Chlorobenzene	ND			ND		ug/L				NC	20
Chloroethane	ND			ND		ug/L				NC	20
Chloroform	ND			ND		ug/L				NC	20
Chloromethane	ND			ND		ug/L				NC	20
cis-1,2-Dichloroethene	ND			ND		ug/L				NC	20
cis-1,3-Dichloropropene	ND			ND		ug/L				NC	20
Dibromomethane	ND			ND		ug/L				NC	20
Dichlorodifluoromethane	ND			ND		ug/L				NC	20
Ethylbenzene	0.75			0.769		ug/L				2	20
Hexachlorobutadiene	ND			ND		ug/L				NC	20
Isopropylbenzene	0.24			0.241		ug/L				0.6	20
Methyl-tert-butyl Ether (MTBE)	ND			ND		ug/L				NC	20
Methylene Chloride	ND			ND		ug/L				NC	20

QC Sample Results

Client: Hilcorp Energy
Project/Site: Hare 15

Job ID: 885-23963-1

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

Lab Sample ID: 885-23963-1 DU
Matrix: Air
Analysis Batch: 25559

Client Sample ID: SVE-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
n-Butylbenzene	ND			ND		ug/L				NC	20
N-Propylbenzene	0.28			0.280		ug/L				0.2	20
Naphthalene	ND			ND		ug/L				NC	20
sec-Butylbenzene	0.12			0.111		ug/L				5	20
Styrene	ND			ND		ug/L				NC	20
tert-Butylbenzene	ND			ND		ug/L				NC	20
Tetrachloroethene (PCE)	ND			ND		ug/L				NC	20
Toluene	4.6			4.75		ug/L				3	20
trans-1,2-Dichloroethene	ND			ND		ug/L				NC	20
trans-1,3-Dichloropropene	ND			ND		ug/L				NC	20
Trichloroethene (TCE)	ND			ND		ug/L				NC	20
Trichlorofluoromethane	ND			ND		ug/L				NC	20
Vinyl chloride	ND			ND		ug/L				NC	20
Xylenes, Total	20			19.8		ug/L				0.3	20

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*
Toluene-d8 (Surr)	*105*		*70 - 130*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*
Dibromofluoromethane (Surr)	*101*		*70 - 130*

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-25922/6
Matrix: Air
Analysis Batch: 25922

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0		ug/L			05/12/25 12:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*15 - 412*		*05/12/25 12:21*	*1*

Lab Sample ID: LCS 885-25922/4
Matrix: Air
Analysis Batch: 25922

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics [C6 - C10]			50.0	51.0		ug/L		102	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*198*		*15 - 412*

QC Association Summary

Client: Hilcorp Energy
Project/Site: Hare 15

Job ID: 885-23963-1

GC/MS VOA

Analysis Batch: 25559

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-23963-1	SVE-1	Total/NA	Air	8260B	
MB 885-25559/5	Method Blank	Total/NA	Air	8260B	
LCS 885-25559/4	Lab Control Sample	Total/NA	Air	8260B	
885-23963-1 DU	SVE-1	Total/NA	Air	8260B	

GC VOA

Analysis Batch: 25922

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-23963-1	SVE-1	Total/NA	Air	8015D	
MB 885-25922/6	Method Blank	Total/NA	Air	8015D	
LCS 885-25922/4	Lab Control Sample	Total/NA	Air	8015D	

Lab Chronicle

Client: Hilcorp Energy
Project/Site: Hare 15

Job ID: 885-23963-1

Client Sample ID: SVE-1
Date Collected: 04/29/25 13:00
Date Received: 04/30/25 06:45

Lab Sample ID: 885-23963-1
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	25559	JP	EET ALB	05/06/25 12:35
Total/NA	Analysis	8015D		5	25922	JP	EET ALB	05/12/25 13:55

Laboratory References:

= , 1120 South 27th Street, Billings, MT 59101, TEL (406)252-6325

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

Accreditation/Certification Summary

Client: Hilcorp Energy
Project/Site: Hare 15

Job ID: 885-23963-1

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
8015D		Air	Gasoline Range Organics [C6 - C10]
8260B		Air	1,1,1,2-Tetrachloroethane
8260B		Air	1,1,1-Trichloroethane
8260B		Air	1,1,2,2-Tetrachloroethane
8260B		Air	1,1,2-Trichloroethane
8260B		Air	1,1-Dichloroethane
8260B		Air	1,1-Dichloroethene
8260B		Air	1,1-Dichloropropene
8260B		Air	1,2,3-Trichlorobenzene
8260B		Air	1,2,3-Trichloropropane
8260B		Air	1,2,4-Trichlorobenzene
8260B		Air	1,2,4-Trimethylbenzene
8260B		Air	1,2-Dibromo-3-Chloropropane
8260B		Air	1,2-Dibromoethane (EDB)
8260B		Air	1,2-Dichlorobenzene
8260B		Air	1,2-Dichloroethane (EDC)
8260B		Air	1,2-Dichloropropane
8260B		Air	1,3,5-Trimethylbenzene
8260B		Air	1,3-Dichlorobenzene
8260B		Air	1,3-Dichloropropane
8260B		Air	1,4-Dichlorobenzene
8260B		Air	1-Methylnaphthalene
8260B		Air	2,2-Dichloropropane
8260B		Air	2-Butanone
8260B		Air	2-Chlorotoluene
8260B		Air	2-Hexanone
8260B		Air	2-Methylnaphthalene
8260B		Air	4-Chlorotoluene
8260B		Air	4-Isopropyltoluene
8260B		Air	4-Methyl-2-pentanone
8260B		Air	Acetone
8260B		Air	Benzene
8260B		Air	Bromobenzene
8260B		Air	Bromodichloromethane
8260B		Air	Bromoform
8260B		Air	Bromomethane
8260B		Air	Carbon disulfide
8260B		Air	Carbon tetrachloride
8260B		Air	Chlorobenzene
8260B		Air	Chloroethane
8260B		Air	Chloroform
8260B		Air	Chloromethane
8260B		Air	cis-1,2-Dichloroethene
8260B		Air	cis-1,3-Dichloropropene
8260B		Air	Dibromochloromethane

Accreditation/Certification Summary

Client: Hilcorp Energy
Project/Site: Hare 15

Job ID: 885-23963-1

Laboratory: Eurofins Albuquerque (Continued)

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

Authority	Program	Identification Number	Expiration Date

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		Air	Dibromomethane
8260B		Air	Dichlorodifluoromethane
8260B		Air	Ethylbenzene
8260B		Air	Hexachlorobutadiene
8260B		Air	Isopropylbenzene
8260B		Air	Methylene Chloride
8260B		Air	Methyl-tert-butyl Ether (MTBE)
8260B		Air	Naphthalene
8260B		Air	n-Butylbenzene
8260B		Air	N-Propylbenzene
8260B		Air	sec-Butylbenzene
8260B		Air	Styrene
8260B		Air	tert-Butylbenzene
8260B		Air	Tetrachloroethene (PCE)
8260B		Air	Toluene
8260B		Air	trans-1,2-Dichloroethene
8260B		Air	trans-1,3-Dichloropropene
8260B		Air	Trichloroethene (TCE)
8260B		Air	Trichlorofluoromethane
8260B		Air	Vinyl chloride
8260B		Air	Xylenes, Total

Oregon	NELAP	NM100001	02-26-26

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
8015D		Air	Gasoline Range Organics [C6 - C10]
8260B		Air	1,1,1,2-Tetrachloroethane
8260B		Air	1,1,1-Trichloroethane
8260B		Air	1,1,2,2-Tetrachloroethane
8260B		Air	1,1,2-Trichloroethane
8260B		Air	1,1-Dichloroethane
8260B		Air	1,1-Dichloroethene
8260B		Air	1,1-Dichloropropene
8260B		Air	1,2,3-Trichlorobenzene
8260B		Air	1,2,3-Trichloropropane
8260B		Air	1,2,4-Trichlorobenzene
8260B		Air	1,2,4-Trimethylbenzene
8260B		Air	1,2-Dibromo-3-Chloropropane
8260B		Air	1,2-Dibromoethane (EDB)
8260B		Air	1,2-Dichlorobenzene
8260B		Air	1,2-Dichloroethane (EDC)
8260B		Air	1,2-Dichloropropane
8260B		Air	1,3,5-Trimethylbenzene
8260B		Air	1,3-Dichlorobenzene
8260B		Air	1,3-Dichloropropane
8260B		Air	1,4-Dichlorobenzene

Accreditation/Certification Summary

Client: Hilcorp Energy
Project/Site: Hare 15

Job ID: 885-23963-1

Laboratory: Eurofins Albuquerque (Continued)

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

Authority	Program	Identification Number	Expiration Date

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		Air	1-Methylnaphthalene
8260B		Air	2,2-Dichloropropane
8260B		Air	2-Butanone
8260B		Air	2-Chlorotoluene
8260B		Air	2-Hexanone
8260B		Air	2-Methylnaphthalene
8260B		Air	4-Chlorotoluene
8260B		Air	4-Isopropyltoluene
8260B		Air	4-Methyl-2-pentanone
8260B		Air	Acetone
8260B		Air	Benzene
8260B		Air	Bromobenzene
8260B		Air	Bromodichloromethane
8260B		Air	Bromoform
8260B		Air	Bromomethane
8260B		Air	Carbon disulfide
8260B		Air	Carbon tetrachloride
8260B		Air	Chlorobenzene
8260B		Air	Chloroethane
8260B		Air	Chloroform
8260B		Air	Chloromethane
8260B		Air	cis-1,2-Dichloroethene
8260B		Air	cis-1,3-Dichloropropene
8260B		Air	Dibromochloromethane
8260B		Air	Dibromomethane
8260B		Air	Dichlorodifluoromethane
8260B		Air	Ethylbenzene
8260B		Air	Hexachlorobutadiene
8260B		Air	Isopropylbenzene
8260B		Air	Methylene Chloride
8260B		Air	Methyl-tert-butyl Ether (MTBE)
8260B		Air	Naphthalene
8260B		Air	n-Butylbenzene
8260B		Air	N-Propylbenzene
8260B		Air	sec-Butylbenzene
8260B		Air	Styrene
8260B		Air	tert-Butylbenzene
8260B		Air	Tetrachloroethene (PCE)
8260B		Air	Toluene
8260B		Air	trans-1,2-Dichloroethene
8260B		Air	trans-1,3-Dichloropropene
8260B		Air	Trichloroethene (TCE)
8260B		Air	Trichlorofluoromethane
8260B		Air	Vinyl chloride
8260B		Air	Xylenes, Total

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ANALYTICAL SUMMARY REPORT

May 07, 2025

Eurofins TestAmerica - Albuquerque
4901 Hawkins St NE Ste D
Albuquerque, NM 87109-4372

Work Order: B25050029 Quote ID: B15626

Project Name: Hare 15 88501698

Energy Laboratories Inc Billings MT received the following 1 sample for Eurofins TestAmerica - Albuquerque on 5/1/2025 for analysis.

Lab ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
B25050029-001	SVE-1 (885-23963-1)	04/29/25 13:00	05/01/25	Air	Air Correction Calculations Appearance and Comments Calculated Properties GPM @ std cond,/1000 cu. ft., moist. Free Natural Gas Analysis Specific Gravity @ 60/60

The analyses presented in this report were performed by Energy Laboratories, Inc., 1120 So. 27th Street, Billings, MT 59101, unless otherwise noted. Any exceptions or problems with the analyses are noted in the report package. Any issues encountered during sample receipt are documented in the Work Order Receipt Checklist.

The results as reported relate only to the item(s) submitted for testing. This report shall be used or copied only in its entirety. Energy Laboratories, Inc. is not responsible for the consequences arising from the use of a partial report.

Energy Laboratories, Inc. verifies the reported results for the analysis has been technically reviewed and approved for release.

If you have any questions regarding these test results, please contact your Project Manager.

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LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Eurofins TestAmerica - Albuquerque
Project: Hare 15 88501698
Lab ID: B25050029-001
Client Sample ID: SVE-1 (885-23963-1)

Report Date: 05/07/25
Collection Date: 04/29/25 13:00
DateReceived: 05/01/25
Matrix: Air

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
GAS CHROMATOGRAPHY ANALYSIS REPORT							
Oxygen	21.41	Mol %		0.01		GPA 2261-13	05/02/25 09:51 / jrj
Nitrogen	78.36	Mol %		0.01		GPA 2261-13	05/02/25 09:51 / jrj
Carbon Dioxide	0.22	Mol %		0.01		GPA 2261-13	05/02/25 09:51 / jrj
Hydrogen Sulfide	<0.01	Mol %		0.01		GPA 2261-13	05/02/25 09:51 / jrj
Methane	<0.01	Mol %		0.01		GPA 2261-13	05/02/25 09:51 / jrj
Ethane	<0.01	Mol %		0.01		GPA 2261-13	05/02/25 09:51 / jrj
Propane	<0.01	Mol %		0.01		GPA 2261-13	05/02/25 09:51 / jrj
Isobutane	<0.01	Mol %		0.01		GPA 2261-13	05/02/25 09:51 / jrj
n-Butane	<0.01	Mol %		0.01		GPA 2261-13	05/02/25 09:51 / jrj
Isopentane	<0.01	Mol %		0.01		GPA 2261-13	05/02/25 09:51 / jrj
n-Pentane	<0.01	Mol %		0.01		GPA 2261-13	05/02/25 09:51 / jrj
Hexanes plus	0.01	Mol %		0.01		GPA 2261-13	05/02/25 09:51 / jrj
Propane	< 0.001	gpm		0.001		GPA 2261-13	05/02/25 09:51 / jrj
Isobutane	< 0.001	gpm		0.001		GPA 2261-13	05/02/25 09:51 / jrj
n-Butane	< 0.001	gpm		0.001		GPA 2261-13	05/02/25 09:51 / jrj
Isopentane	< 0.001	gpm		0.001		GPA 2261-13	05/02/25 09:51 / jrj
n-Pentane	< 0.001	gpm		0.001		GPA 2261-13	05/02/25 09:51 / jrj
Hexanes plus	0.004	gpm		0.001		GPA 2261-13	05/02/25 09:51 / jrj
GPM Total	0.004	gpm		0.001		GPA 2261-13	05/02/25 09:51 / jrj
GPM Pentanes plus	0.004	gpm		0.001		GPA 2261-13	05/02/25 09:51 / jrj
CALCULATED PROPERTIES							
Gross BTU per cu ft @ Std Cond. (HHV)	ND			1		GPA 2261-13	05/02/25 09:51 / jrj
Net BTU per cu ft @ std cond. (LHV)	ND			1		GPA 2261-13	05/02/25 09:51 / jrj
Pseudo-critical Pressure, psia	545			1		GPA 2261-13	05/02/25 09:51 / jrj
Pseudo-critical Temperature, deg R	239			1		GPA 2261-13	05/02/25 09:51 / jrj
Specific Gravity @ 60/60F	0.998			0.001		D3588-81	05/02/25 09:51 / jrj
Air, %	97.81			0.01		GPA 2261-13	05/02/25 09:51 / jrj
- The analysis was not corrected for air.							
COMMENTS							
-						-	05/02/25 09:51 / jrj

- BTU, GPM, and specific gravity are corrected for deviation from ideal gas behavior.
- GPM = gallons of liquid at standard conditions per 1000 cu. ft. of moisture free gas @ standard conditions.
- To convert BTU to a water-saturated basis @ standard conditions, multiply by 0.9825.
- Standard conditions: 60 F & 14.73 psi on a dry basis.

Report Definitions:
RL - Analyte Reporting Limit
QCL - Quality Control Limit
MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)

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QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25050029 **Report Date:** 05/07/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **GPA 2261-13**										Batch: R440735
Lab ID: **B25050029-001ADUP**	12	Sample Duplicate				Run: GC7890_250502A			05/02/25 10:39	
Oxygen		21.6	Mol %	0.01				0.7	20	
Nitrogen		78.2	Mol %	0.01				0.2	20	
Carbon Dioxide		0.22	Mol %	0.01				0.0	20	
Hydrogen Sulfide		<0.01	Mol %	0.01					20	
Methane		<0.01	Mol %	0.01					20	
Ethane		<0.01	Mol %	0.01					20	
Propane		<0.01	Mol %	0.01					20	
Isobutane		<0.01	Mol %	0.01					20	
n-Butane		<0.01	Mol %	0.01					20	
Isopentane		<0.01	Mol %	0.01					20	
n-Pentane		<0.01	Mol %	0.01					20	
Hexanes plus		0.01	Mol %	0.01				0.0	20	
Lab ID: **LCS050225**	11	Laboratory Control Sample				Run: GC7890_250502A			05/02/25 12:17	
Oxygen		0.60	Mol %	0.01	122	70	130			
Nitrogen		6.06	Mol %	0.01	103	70	130			
Carbon Dioxide		1.00	Mol %	0.01	100	70	130			
Methane		76.2	Mol %	0.01	100	70	130			
Ethane		6.12	Mol %	0.01	101	70	130			
Propane		5.02	Mol %	0.01	101	70	130			
Isobutane		1.71	Mol %	0.01	86	70	130			
n-Butane		2.01	Mol %	0.01	101	70	130			
Isopentane		0.51	Mol %	0.01	102	70	130			
n-Pentane		0.51	Mol %	0.01	102	70	130			
Hexanes plus		0.23	Mol %	0.01	111	70	130			

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

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Work Order Receipt Checklist

Eurofins TestAmerica - Albuquerque B25050029

Login completed by: Kyelie L. Pflock
Date Received: 5/1/2025
Reviewed by: darcy
Received by: GM
Reviewed Date: 5/6/2025
Carrier name: FedEx NDA

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on all shipping container(s)/cooler(s)?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on all sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time? (Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.)	Yes ☑	No ☐	
Temp Blank received in all shipping container(s)/cooler(s)?	Yes ☐	No ☑	Not Applicable ☐
Container/Temp Blank temperature:	18.8°C No Ice		
Containers requiring zero headspace have no headspace or bubble that is <6mm (1/4").	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Not Applicable ☑

Standard Reporting Procedures:

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as –dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

The reference date for Radon analysis is the sample collection date. The reference date for all other Radiochemical analyses is the analysis date. Radiochemical precision results represent a 2-sigma Total Measurement Uncertainty.

For methods that require zero headspace or require preservation check at the time of analysis due to potential interference, the pH is verified at analysis. Nonconforming sample pH is documented as part of the analysis and included in the sample analysis comments.

Trip Blanks and/or Blind Duplicate samples are assigned the earliest collection time for the associated requested analysis in order to evaluate the holding time unless specifically indicated.

Contact and Corrective Action Comments:

None

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Laboratory Certifications and Accreditations

Current certificates are available at www.energylab.com website:

	Agency	Number
Billings, MT	Alaska	17-023
	California	3087
	Colorado	MT00005
	Department of Defense (DoD)/ISO17025	ADE-2588
	Florida (Primary NELAP)	E87668
	Idaho	MT00005
	Louisiana	05079
	Montana	CERT0044
	Nebraska	NE-OS-13-04
	Nevada	NV-C24-00250
	North Dakota	R-007
	National Radon Proficiency	109383-RMP
	Oregon	4184
	South Dakota	ARSD 74:04:07
	Texas	TX-C24-00302
	US EPA Region VIII	Reciprocal
	USDA Soil Permit	P330-20-00170
	Washington	C1039
Casper, WY	Alaska	20-006
	California	3021
	Colorado	WY00002
	Florida (Primary NELAP)	E87641
	Idaho	WY00002
	Louisiana	05083
	Montana	CERT0002
	Nebraska	NE-OS-08-04
	Nevada	NV-C24-00245
	North Dakota	R-125
	Oregon	WY200001
	South Dakota	WY00002
	Texas	T104704181-23-21
	US EPA Region VIII	WY00002
	USNRC License	49-26846-01
	Washington	C1012
Gillette, WY	US EPA Region VIII	WY00006
Helena, MT	Colorado	MT00945
	Montana	CERT0079
	Nevada	NV-C24-00119
	US EPA Region VIII	Reciprocal
	USDA Soil Permit	P330-20-00090

Released to Imaging: 7/29/2025 8:04:10 AM
Received by OCD: 7/15/2025 10:09:58 AM

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque, NM 87109
Phone: 505-345-3975 Fax: 505-345-4107

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Garcia, Michelle	Carrier Tracking No(s): N/A	COC No: 885-4732.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: michelle.garcia@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Energy Laboratories, Inc.		Accreditations Required (See note): NELAP - Oregon; State - New Mexico		Job #: 885-23963-1
Address: 1120 South 27th Street, ,	Due Date Requested: 5/7/2025			
City: Billings	TAT Requested (days): N/A			
State, Zip: MT, 59101				
Phone: 406-252-6325(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Hare 15	Project #: 88501698			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes: -

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SUB (Fixed Gases)/ Fixed Gases	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
SVE-1 (885-23963-1)	4/29/25	13:00 Mountain	G	Air			X	1	See Attached Instructions B25050029

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 4/30/25 13:09	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 05-01-25 11:00	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Released to Imaging: 7/29/2025 8:04:10 AM
Received by OCD: 7/15/2025 10:09:58 AM

ICOC No:
885-4732

Containers

Count	Container Type	Preservative
1	Tedlar Bag 1L	None

Subcontract Method Instructions

Sample IDs	Method	Method Description	Method Comments
1	SUBCONTRACT	SUB (Fixed Gases)/ Fixed Gases	Fixed Gases

Released to Imaging: 7/29/2025 8:04:10 AM
Received by OCD: 7/15/2025 10:09:58 AM

Chain-of-Custody Record

Client: Hilcorp

Mailing Address:

Phone #:

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: Hare 15

Project #:

Project Manager: Mitch Killough

Sampler: Brandon Sinclair

On Ice: ☐ Yes ☑ No

# of Coolers: 1

Cooler Temp (including CF): — (°C)

HALL ENVIRONMENTAL ANALYSIS LABORA
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

885-23963 COC

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	8015 TVPH	Fixed gas O_2 & CO_2				
4-29	1300	air	SVE-1	2 Tedlar										✓			✓	✓				

Date.	Time:	Relinquished by:	Received by:	Via:	Date	Time
4/29/25	1618		Grant Ward		4/29/25	1618
4/29/25	Time:	Relinquished by:	Received by:	Via: courier	Date	Time
		Grant Ward			4/30/25	6:45

Remarks:

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: 885-23963-1

Login Number: 23963 **List Source: Eurofins Albuquerque**
List Number: 1
Creator: Casarrubias, Tracy

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
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.	False	Thermal preservation not required.
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	

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 6/19/2025 10:18:49 AM

JOB DESCRIPTION

Hare 15

JOB NUMBER

885-26631-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.

Released to Imaging: 7/29/2025 8:04:10 AM

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

Generated
6/19/2025 10:18:49 AM

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

Client: Hilcorp Energy
Project/Site: Hare 15

Laboratory Job ID: 885-26631-1

Table of Contents

Definitions/Glossary

Client: Hilcorp Energy
Project/Site: Hare 15

Job ID: 885-26631-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F3	Duplicate RPD exceeds the control limit

GC VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.

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: Hare 15

Job ID: 885-26631-1

Job ID: 885-26631-1 Eurofins Albuquerque

Job Narrative
885-26631-1

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 6/12/2025 5:50 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice.

Subcontract Work
Method Fixed Gases: This method was subcontracted to Energy Laboratories, Inc. The subcontract laboratory certification is different from that of the facility issuing the final report. The subcontract report is appended in its entirety.

GC/MS VOA
Method 8260B: The sample duplicate precision for the following sample associated with analytical batch 885-28124 was outside control limits: (885-26631-A-1 DU). Non-homogeneity of the sample matrix is suspected.

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

Gasoline Range Organics
Method 8015D_GRO: Surrogate recovery for the following samples were outside control limits: SVE-1 (885-26631-1) and (885-26631-A-1 DU). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

Client Sample Results

Client: Hilcorp Energy
Project/Site: Hare 15

Job ID: 885-26631-1

Client Sample ID: SVE-1

Lab Sample ID: 885-26631-1

Date Collected: 06/10/25 13:30
Matrix: Air
Date Received: 06/12/25 05:50
Sample Container: Tedlar Bag 1L

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.20		ug/L			06/12/25 12:48	2
1,1,1-Trichloroethane	ND		0.20		ug/L			06/12/25 12:48	2
1,1,2,2-Tetrachloroethane	ND		0.40		ug/L			06/12/25 12:48	2
1,1,2-Trichloroethane	ND		0.20		ug/L			06/12/25 12:48	2
1,1-Dichloroethane	ND		0.20		ug/L			06/12/25 12:48	2
1,1-Dichloroethene	ND		0.20		ug/L			06/12/25 12:48	2
1,1-Dichloropropene	ND		0.20		ug/L			06/12/25 12:48	2
1,2,3-Trichlorobenzene	ND		0.20		ug/L			06/12/25 12:48	2
1,2,3-Trichloropropane	ND		0.40		ug/L			06/12/25 12:48	2
1,2,4-Trichlorobenzene	ND		0.20		ug/L			06/12/25 12:48	2
1,2,4-Trimethylbenzene	**0.75**		0.20		ug/L			06/12/25 12:48	2
1,2-Dibromo-3-Chloropropane	ND		0.40		ug/L			06/12/25 12:48	2
1,2-Dibromoethane (EDB)	ND		0.20		ug/L			06/12/25 12:48	2
1,2-Dichlorobenzene	ND		0.20		ug/L			06/12/25 12:48	2
1,2-Dichloroethane (EDC)	ND		0.20		ug/L			06/12/25 12:48	2
1,2-Dichloropropane	ND		0.20		ug/L			06/12/25 12:48	2
1,3,5-Trimethylbenzene	**0.99**		0.20		ug/L			06/12/25 12:48	2
1,3-Dichlorobenzene	ND		0.20		ug/L			06/12/25 12:48	2
1,3-Dichloropropane	ND		0.20		ug/L			06/12/25 12:48	2
1,4-Dichlorobenzene	ND		0.20		ug/L			06/12/25 12:48	2
1-Methylnaphthalene	ND		0.80		ug/L			06/12/25 12:48	2
2,2-Dichloropropane	ND		0.40		ug/L			06/12/25 12:48	2
2-Butanone	ND		2.0		ug/L			06/12/25 12:48	2
2-Chlorotoluene	ND		0.20		ug/L			06/12/25 12:48	2
2-Hexanone	ND		2.0		ug/L			06/12/25 12:48	2
2-Methylnaphthalene	ND		0.80		ug/L			06/12/25 12:48	2
4-Chlorotoluene	ND		0.20		ug/L			06/12/25 12:48	2
4-Isopropyltoluene	ND		0.20		ug/L			06/12/25 12:48	2
4-Methyl-2-pentanone	ND		2.0		ug/L			06/12/25 12:48	2
Acetone	ND		2.0		ug/L			06/12/25 12:48	2
Benzene	**0.91**		0.20		ug/L			06/12/25 12:48	2
Bromobenzene	ND		0.20		ug/L			06/12/25 12:48	2
Bromodichloromethane	ND		0.20		ug/L			06/12/25 12:48	2
Dibromochloromethane	ND		0.20		ug/L			06/12/25 12:48	2
Bromoform	ND		0.20		ug/L			06/12/25 12:48	2
Bromomethane	ND		0.60		ug/L			06/12/25 12:48	2
Carbon disulfide	ND		2.0		ug/L			06/12/25 12:48	2
Carbon tetrachloride	ND		0.20		ug/L			06/12/25 12:48	2
Chlorobenzene	ND		0.20		ug/L			06/12/25 12:48	2
Chloroethane	ND		0.40		ug/L			06/12/25 12:48	2
Chloroform	ND		0.20		ug/L			06/12/25 12:48	2
Chloromethane	ND		0.60		ug/L			06/12/25 12:48	2
cis-1,2-Dichloroethene	ND		0.20		ug/L			06/12/25 12:48	2
cis-1,3-Dichloropropene	ND		0.20		ug/L			06/12/25 12:48	2
Dibromomethane	ND		0.20		ug/L			06/12/25 12:48	2
Dichlorodifluoromethane	ND		0.20		ug/L			06/12/25 12:48	2
Ethylbenzene	**0.90**		0.20		ug/L			06/12/25 12:48	2
Hexachlorobutadiene	ND		0.20		ug/L			06/12/25 12:48	2

Client Sample Results

Client: Hilcorp Energy
Project/Site: Hare 15

Job ID: 885-26631-1

Client Sample ID: SVE-1

Lab Sample ID: 885-26631-1

Date Collected: 06/10/25 13:30
Matrix: Air
Date Received: 06/12/25 05:50
Sample Container: Tedlar Bag 1L

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		0.20		ug/L			06/12/25 12:48	2
Methyl-tert-butyl Ether (MTBE)	ND		0.20		ug/L			06/12/25 12:48	2
Methylene Chloride	ND		0.60		ug/L			06/12/25 12:48	2
n-Butylbenzene	ND		0.60		ug/L			06/12/25 12:48	2
N-Propylbenzene	ND		0.20		ug/L			06/12/25 12:48	2
Naphthalene	ND		0.40		ug/L			06/12/25 12:48	2
sec-Butylbenzene	ND		0.20		ug/L			06/12/25 12:48	2
Styrene	ND		0.20		ug/L			06/12/25 12:48	2
tert-Butylbenzene	ND		0.20		ug/L			06/12/25 12:48	2
Tetrachloroethene (PCE)	ND		0.20		ug/L			06/12/25 12:48	2
Toluene	**10**		0.20		ug/L			06/12/25 12:48	2
trans-1,2-Dichloroethene	ND		0.20		ug/L			06/12/25 12:48	2
trans-1,3-Dichloropropene	ND		0.20		ug/L			06/12/25 12:48	2
Trichloroethene (TCE)	ND		0.20		ug/L			06/12/25 12:48	2
Trichlorofluoromethane	ND		0.20		ug/L			06/12/25 12:48	2
Vinyl chloride	ND		0.20		ug/L			06/12/25 12:48	2
Xylenes, Total	**14**		0.30		ug/L			06/12/25 12:48	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*		*06/12/25 12:48*	*2*
Toluene-d8 (Surr)	*99*		*70 - 130*		*06/12/25 12:48*	*2*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*		*06/12/25 12:48*	*2*
Dibromofluoromethane (Surr)	*103*		*70 - 130*		*06/12/25 12:48*	*2*

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	**500**		10		ug/L			06/12/25 12:49	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*152*	*S1+*	*15 - 150*		*06/12/25 12:49*	*2*

QC Sample Results

Client: Hilcorp Energy
Project/Site: Hare 15

Job ID: 885-26631-1

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

Lab Sample ID: MB 885-28124/4
Matrix: Air
Analysis Batch: 28124

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.10		ug/L			06/12/25 10:27	1
1,1,1-Trichloroethane	ND		0.10		ug/L			06/12/25 10:27	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			06/12/25 10:27	1
1,1,2-Trichloroethane	ND		0.10		ug/L			06/12/25 10:27	1
1,1-Dichloroethane	ND		0.10		ug/L			06/12/25 10:27	1
1,1-Dichloroethene	ND		0.10		ug/L			06/12/25 10:27	1
1,1-Dichloropropene	ND		0.10		ug/L			06/12/25 10:27	1
1,2,3-Trichlorobenzene	ND		0.10		ug/L			06/12/25 10:27	1
1,2,3-Trichloropropane	ND		0.20		ug/L			06/12/25 10:27	1
1,2,4-Trichlorobenzene	ND		0.10		ug/L			06/12/25 10:27	1
1,2,4-Trimethylbenzene	ND		0.10		ug/L			06/12/25 10:27	1
1,2-Dibromo-3-Chloropropane	ND		0.20		ug/L			06/12/25 10:27	1
1,2-Dibromoethane (EDB)	ND		0.10		ug/L			06/12/25 10:27	1
1,2-Dichlorobenzene	ND		0.10		ug/L			06/12/25 10:27	1
1,2-Dichloroethane (EDC)	ND		0.10		ug/L			06/12/25 10:27	1
1,2-Dichloropropane	ND		0.10		ug/L			06/12/25 10:27	1
1,3,5-Trimethylbenzene	ND		0.10		ug/L			06/12/25 10:27	1
1,3-Dichlorobenzene	ND		0.10		ug/L			06/12/25 10:27	1
1,3-Dichloropropane	ND		0.10		ug/L			06/12/25 10:27	1
1,4-Dichlorobenzene	ND		0.10		ug/L			06/12/25 10:27	1
1-Methylnaphthalene	ND		0.40		ug/L			06/12/25 10:27	1
2,2-Dichloropropane	ND		0.20		ug/L			06/12/25 10:27	1
2-Butanone	ND		1.0		ug/L			06/12/25 10:27	1
2-Chlorotoluene	ND		0.10		ug/L			06/12/25 10:27	1
2-Hexanone	ND		1.0		ug/L			06/12/25 10:27	1
2-Methylnaphthalene	ND		0.40		ug/L			06/12/25 10:27	1
4-Chlorotoluene	ND		0.10		ug/L			06/12/25 10:27	1
4-Isopropyltoluene	ND		0.10		ug/L			06/12/25 10:27	1
4-Methyl-2-pentanone	ND		1.0		ug/L			06/12/25 10:27	1
Acetone	ND		1.0		ug/L			06/12/25 10:27	1
Benzene	ND		0.10		ug/L			06/12/25 10:27	1
Bromobenzene	ND		0.10		ug/L			06/12/25 10:27	1
Bromodichloromethane	ND		0.10		ug/L			06/12/25 10:27	1
Dibromochloromethane	ND		0.10		ug/L			06/12/25 10:27	1
Bromoform	ND		0.10		ug/L			06/12/25 10:27	1
Bromomethane	ND		0.30		ug/L			06/12/25 10:27	1
Carbon disulfide	ND		1.0		ug/L			06/12/25 10:27	1
Carbon tetrachloride	ND		0.10		ug/L			06/12/25 10:27	1
Chlorobenzene	ND		0.10		ug/L			06/12/25 10:27	1
Chloroethane	ND		0.20		ug/L			06/12/25 10:27	1
Chloroform	ND		0.10		ug/L			06/12/25 10:27	1
Chloromethane	ND		0.30		ug/L			06/12/25 10:27	1
cis-1,2-Dichloroethene	ND		0.10		ug/L			06/12/25 10:27	1
cis-1,3-Dichloropropene	ND		0.10		ug/L			06/12/25 10:27	1
Dibromomethane	ND		0.10		ug/L			06/12/25 10:27	1
Dichlorodifluoromethane	ND		0.10		ug/L			06/12/25 10:27	1
Ethylbenzene	ND		0.10		ug/L			06/12/25 10:27	1
Hexachlorobutadiene	ND		0.10		ug/L			06/12/25 10:27	1

QC Sample Results

Client: Hilcorp Energy
Project/Site: Hare 15

Job ID: 885-26631-1

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

Lab Sample ID: MB 885-28124/4
Matrix: Air
Analysis Batch: 28124

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		0.10		ug/L			06/12/25 10:27	1
Methyl-tert-butyl Ether (MTBE)	ND		0.10		ug/L			06/12/25 10:27	1
Methylene Chloride	ND		0.30		ug/L			06/12/25 10:27	1
n-Butylbenzene	ND		0.30		ug/L			06/12/25 10:27	1
N-Propylbenzene	ND		0.10		ug/L			06/12/25 10:27	1
Naphthalene	ND		0.20		ug/L			06/12/25 10:27	1
sec-Butylbenzene	ND		0.10		ug/L			06/12/25 10:27	1
Styrene	ND		0.10		ug/L			06/12/25 10:27	1
tert-Butylbenzene	ND		0.10		ug/L			06/12/25 10:27	1
Tetrachloroethene (PCE)	ND		0.10		ug/L			06/12/25 10:27	1
Toluene	ND		0.10		ug/L			06/12/25 10:27	1
trans-1,2-Dichloroethene	ND		0.10		ug/L			06/12/25 10:27	1
trans-1,3-Dichloropropene	ND		0.10		ug/L			06/12/25 10:27	1
Trichloroethene (TCE)	ND		0.10		ug/L			06/12/25 10:27	1
Trichlorofluoromethane	ND		0.10		ug/L			06/12/25 10:27	1
Vinyl chloride	ND		0.10		ug/L			06/12/25 10:27	1
Xylenes, Total	ND		0.15		ug/L			06/12/25 10:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*70 - 130*		*06/12/25 10:27*	*1*
Toluene-d8 (Surr)	*89*		*70 - 130*		*06/12/25 10:27*	*1*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*06/12/25 10:27*	*1*
Dibromofluoromethane (Surr)	*105*		*70 - 130*		*06/12/25 10:27*	*1*

Lab Sample ID: LCS 885-28124/3
Matrix: Air
Analysis Batch: 28124

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,1-Dichloroethene			2.00	2.12		ug/L		106	70 - 130		
Benzene			2.00	2.37		ug/L		118	70 - 130		
Chlorobenzene			2.00	1.92		ug/L		96	70 - 130		
Toluene			2.00	1.88		ug/L		94	70 - 130		
Trichloroethene (TCE)			2.00	2.10		ug/L		105	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*111*		*70 - 130*
Toluene-d8 (Surr)	*89*		*70 - 130*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*
Dibromofluoromethane (Surr)	*106*		*70 - 130*

Lab Sample ID: 885-26631-1 DU
Matrix: Air
Analysis Batch: 28124

Client Sample ID: SVE-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND			ND		ug/L				NC	20
1,1,1-Trichloroethane	ND			ND		ug/L				NC	20

QC Sample Results

Client: Hilcorp Energy
Project/Site: Hare 15

Job ID: 885-26631-1

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

Lab Sample ID: 885-26631-1 DU
Matrix: Air
Analysis Batch: 28124

Client Sample ID: SVE-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
1,1,2,2-Tetrachloroethane	ND			ND		ug/L				NC	20
1,1,2-Trichloroethane	ND			ND		ug/L				NC	20
1,1-Dichloroethane	ND			ND		ug/L				NC	20
1,1-Dichloroethene	ND			ND		ug/L				NC	20
1,1-Dichloropropene	ND			ND		ug/L				NC	20
1,2,3-Trichlorobenzene	ND			ND		ug/L				NC	20
1,2,3-Trichloropropane	ND			ND		ug/L				NC	20
1,2,4-Trichlorobenzene	ND			ND		ug/L				NC	20
1,2,4-Trimethylbenzene	0.75			0.743		ug/L				1	20
1,2-Dibromo-3-Chloropropane	ND			ND		ug/L				NC	20
1,2-Dibromoethane (EDB)	ND			ND		ug/L				NC	20
1,2-Dichlorobenzene	ND			ND		ug/L				NC	20
1,2-Dichloroethane (EDC)	ND			ND		ug/L				NC	20
1,2-Dichloropropane	ND			ND		ug/L				NC	20
1,3,5-Trimethylbenzene	0.99			0.964		ug/L				3	20
1,3-Dichlorobenzene	ND			ND		ug/L				NC	20
1,3-Dichloropropane	ND			ND		ug/L				NC	20
1,4-Dichlorobenzene	ND			ND		ug/L				NC	20
1-Methylnaphthalene	ND			ND		ug/L				NC	20
2,2-Dichloropropane	ND			ND		ug/L				NC	20
2-Butanone	ND			ND		ug/L				NC	20
2-Chlorotoluene	ND			ND		ug/L				NC	20
2-Hexanone	ND			ND		ug/L				NC	20
2-Methylnaphthalene	ND			ND		ug/L				NC	20
4-Chlorotoluene	ND			ND		ug/L				NC	20
4-Isopropyltoluene	ND			ND		ug/L				NC	20
4-Methyl-2-pentanone	ND			ND		ug/L				NC	20
Acetone	ND			ND		ug/L				NC	20
Benzene	0.91			1.01		ug/L				10	20
Bromobenzene	ND			ND		ug/L				NC	20
Bromodichloromethane	ND			ND		ug/L				NC	20
Dibromochloromethane	ND			ND		ug/L				NC	20
Bromoform	ND			ND		ug/L				NC	20
Bromomethane	ND			ND		ug/L				NC	20
Carbon disulfide	ND			ND		ug/L				NC	20
Carbon tetrachloride	ND			ND		ug/L				NC	20
Chlorobenzene	ND			ND		ug/L				NC	20
Chloroethane	ND			ND		ug/L				NC	20
Chloroform	ND			ND		ug/L				NC	20
Chloromethane	ND			ND		ug/L				NC	20
cis-1,2-Dichloroethene	ND			ND		ug/L				NC	20
cis-1,3-Dichloropropene	ND			ND		ug/L				NC	20
Dibromomethane	ND			ND		ug/L				NC	20
Dichlorodifluoromethane	ND			ND		ug/L				NC	20
Ethylbenzene	0.90			0.807		ug/L				11	20
Hexachlorobutadiene	ND			ND		ug/L				NC	20
Isopropylbenzene	ND			ND		ug/L				NC	20
Methyl-tert-butyl Ether (MTBE)	ND			ND		ug/L				NC	20
Methylene Chloride	ND			ND		ug/L				NC	20

QC Sample Results

Client: Hilcorp Energy
Project/Site: Hare 15

Job ID: 885-26631-1

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

Lab Sample ID: 885-26631-1 DU
Matrix: Air
Analysis Batch: 28124

Client Sample ID: SVE-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
n-Butylbenzene	ND			ND		ug/L				NC	20
N-Propylbenzene	ND			ND		ug/L				NC	20
Naphthalene	ND			ND		ug/L				NC	20
sec-Butylbenzene	ND			ND		ug/L				NC	20
Styrene	ND			ND		ug/L				NC	20
tert-Butylbenzene	ND			ND		ug/L				NC	20
Tetrachloroethene (PCE)	ND			ND		ug/L				NC	20
Toluene	10			8.18	F3	ug/L				21	20
trans-1,2-Dichloroethene	ND			ND		ug/L				NC	20
trans-1,3-Dichloropropene	ND			ND		ug/L				NC	20
Trichloroethene (TCE)	ND			ND		ug/L				NC	20
Trichlorofluoromethane	ND			ND		ug/L				NC	20
Vinyl chloride	ND			ND		ug/L				NC	20
Xylenes, Total	14			13.4		ug/L				7	20

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 130*
Toluene-d8 (Surr)	*94*		*70 - 130*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*
Dibromofluoromethane (Surr)	*104*		*70 - 130*

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-28161/4
Matrix: Air
Analysis Batch: 28161

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0		ug/L			06/12/25 12:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*15 - 150*		*06/12/25 12:28*	*1*

Lab Sample ID: LCS 885-28161/3
Matrix: Air
Analysis Batch: 28161

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics [C6 - C10]			50.0	54.9		ug/L		110	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*217*		*15 - 150*

QC Sample Results

Client: Hilcorp Energy
Project/Site: Hare 15

Job ID: 885-26631-1

Method: 8015D - Gasoline Range Organics (GRO) (GC) (Continued)

Lab Sample ID: 885-26631-1 DU
Matrix: Air
Analysis Batch: 28161

Client Sample ID: SVE-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Gasoline Range Organics [C6 - C10]	500			502		ug/L				0.09	20

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*154*	*S1+*	*15 - 150*

QC Association Summary

Client: Hilcorp Energy
Project/Site: Hare 15

Job ID: 885-26631-1

GC/MS VOA

Analysis Batch: 28124

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26631-1	SVE-1	Total/NA	Air	8260B	
MB 885-28124/4	Method Blank	Total/NA	Air	8260B	
LCS 885-28124/3	Lab Control Sample	Total/NA	Air	8260B	
885-26631-1 DU	SVE-1	Total/NA	Air	8260B	

GC VOA

Analysis Batch: 28161

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26631-1	SVE-1	Total/NA	Air	8015D	
MB 885-28161/4	Method Blank	Total/NA	Air	8015D	
LCS 885-28161/3	Lab Control Sample	Total/NA	Air	8015D	
885-26631-1 DU	SVE-1	Total/NA	Air	8015D	

Lab Chronicle

Client: Hilcorp Energy
Project/Site: Hare 15

Job ID: 885-26631-1

Client Sample ID: SVE-1
Date Collected: 06/10/25 13:30
Date Received: 06/12/25 05:50

Lab Sample ID: 885-26631-1
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		2	28124	RA	EET ALB	06/12/25 12:48
Total/NA	Analysis	8015D		2	28161	RA	EET ALB	06/12/25 12:49

Laboratory References:

= , 1120 South 27th Street, Billings, MT 59101, TEL (406)252-6325

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

Accreditation/Certification Summary

Client: Hilcorp Energy
Project/Site: Hare 15

Job ID: 885-26631-1

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
8015D		Air	Gasoline Range Organics [C6 - C10]
8260B		Air	1,1,1,2-Tetrachloroethane
8260B		Air	1,1,1-Trichloroethane
8260B		Air	1,1,2,2-Tetrachloroethane
8260B		Air	1,1,2-Trichloroethane
8260B		Air	1,1-Dichloroethane
8260B		Air	1,1-Dichloroethene
8260B		Air	1,1-Dichloropropene
8260B		Air	1,2,3-Trichlorobenzene
8260B		Air	1,2,3-Trichloropropane
8260B		Air	1,2,4-Trichlorobenzene
8260B		Air	1,2,4-Trimethylbenzene
8260B		Air	1,2-Dibromo-3-Chloropropane
8260B		Air	1,2-Dibromoethane (EDB)
8260B		Air	1,2-Dichlorobenzene
8260B		Air	1,2-Dichloroethane (EDC)
8260B		Air	1,2-Dichloropropane
8260B		Air	1,3,5-Trimethylbenzene
8260B		Air	1,3-Dichlorobenzene
8260B		Air	1,3-Dichloropropane
8260B		Air	1,4-Dichlorobenzene
8260B		Air	1-Methylnaphthalene
8260B		Air	2,2-Dichloropropane
8260B		Air	2-Butanone
8260B		Air	2-Chlorotoluene
8260B		Air	2-Hexanone
8260B		Air	2-Methylnaphthalene
8260B		Air	4-Chlorotoluene
8260B		Air	4-Isopropyltoluene
8260B		Air	4-Methyl-2-pentanone
8260B		Air	Acetone
8260B		Air	Benzene
8260B		Air	Bromobenzene
8260B		Air	Bromodichloromethane
8260B		Air	Bromoform
8260B		Air	Bromomethane
8260B		Air	Carbon disulfide
8260B		Air	Carbon tetrachloride
8260B		Air	Chlorobenzene
8260B		Air	Chloroethane
8260B		Air	Chloroform
8260B		Air	Chloromethane
8260B		Air	cis-1,2-Dichloroethene
8260B		Air	cis-1,3-Dichloropropene
8260B		Air	Dibromochloromethane

Accreditation/Certification Summary

Client: Hilcorp Energy
Project/Site: Hare 15

Job ID: 885-26631-1

Laboratory: Eurofins Albuquerque (Continued)

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

Authority	Program	Identification Number	Expiration Date

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		Air	Dibromomethane
8260B		Air	Dichlorodifluoromethane
8260B		Air	Ethylbenzene
8260B		Air	Hexachlorobutadiene
8260B		Air	Isopropylbenzene
8260B		Air	Methylene Chloride
8260B		Air	Methyl-tert-butyl Ether (MTBE)
8260B		Air	Naphthalene
8260B		Air	n-Butylbenzene
8260B		Air	N-Propylbenzene
8260B		Air	sec-Butylbenzene
8260B		Air	Styrene
8260B		Air	tert-Butylbenzene
8260B		Air	Tetrachloroethene (PCE)
8260B		Air	Toluene
8260B		Air	trans-1,2-Dichloroethene
8260B		Air	trans-1,3-Dichloropropene
8260B		Air	Trichloroethene (TCE)
8260B		Air	Trichlorofluoromethane
8260B		Air	Vinyl chloride
8260B		Air	Xylenes, Total

Oregon	NELAP	NM100001	02-26-26

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
8015D		Air	Gasoline Range Organics [C6 - C10]
8260B		Air	1,1,1,2-Tetrachloroethane
8260B		Air	1,1,1-Trichloroethane
8260B		Air	1,1,2,2-Tetrachloroethane
8260B		Air	1,1,2-Trichloroethane
8260B		Air	1,1-Dichloroethane
8260B		Air	1,1-Dichloroethene
8260B		Air	1,1-Dichloropropene
8260B		Air	1,2,3-Trichlorobenzene
8260B		Air	1,2,3-Trichloropropane
8260B		Air	1,2,4-Trichlorobenzene
8260B		Air	1,2,4-Trimethylbenzene
8260B		Air	1,2-Dibromo-3-Chloropropane
8260B		Air	1,2-Dibromoethane (EDB)
8260B		Air	1,2-Dichlorobenzene
8260B		Air	1,2-Dichloroethane (EDC)
8260B		Air	1,2-Dichloropropane
8260B		Air	1,3,5-Trimethylbenzene
8260B		Air	1,3-Dichlorobenzene
8260B		Air	1,3-Dichloropropane
8260B		Air	1,4-Dichlorobenzene

Accreditation/Certification Summary

Client: Hilcorp Energy
Project/Site: Hare 15

Job ID: 885-26631-1

Laboratory: Eurofins Albuquerque (Continued)

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

Authority	Program	Identification Number	Expiration Date

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		Air	1-Methylnaphthalene
8260B		Air	2,2-Dichloropropane
8260B		Air	2-Butanone
8260B		Air	2-Chlorotoluene
8260B		Air	2-Hexanone
8260B		Air	2-Methylnaphthalene
8260B		Air	4-Chlorotoluene
8260B		Air	4-Isopropyltoluene
8260B		Air	4-Methyl-2-pentanone
8260B		Air	Acetone
8260B		Air	Benzene
8260B		Air	Bromobenzene
8260B		Air	Bromodichloromethane
8260B		Air	Bromoform
8260B		Air	Bromomethane
8260B		Air	Carbon disulfide
8260B		Air	Carbon tetrachloride
8260B		Air	Chlorobenzene
8260B		Air	Chloroethane
8260B		Air	Chloroform
8260B		Air	Chloromethane
8260B		Air	cis-1,2-Dichloroethene
8260B		Air	cis-1,3-Dichloropropene
8260B		Air	Dibromochloromethane
8260B		Air	Dibromomethane
8260B		Air	Dichlorodifluoromethane
8260B		Air	Ethylbenzene
8260B		Air	Hexachlorobutadiene
8260B		Air	Isopropylbenzene
8260B		Air	Methylene Chloride
8260B		Air	Methyl-tert-butyl Ether (MTBE)
8260B		Air	Naphthalene
8260B		Air	n-Butylbenzene
8260B		Air	N-Propylbenzene
8260B		Air	sec-Butylbenzene
8260B		Air	Styrene
8260B		Air	tert-Butylbenzene
8260B		Air	Tetrachloroethene (PCE)
8260B		Air	Toluene
8260B		Air	trans-1,2-Dichloroethene
8260B		Air	trans-1,3-Dichloropropene
8260B		Air	Trichloroethene (TCE)
8260B		Air	Trichlorofluoromethane
8260B		Air	Vinyl chloride
8260B		Air	Xylenes, Total

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ANALYTICAL SUMMARY REPORT

June 17, 2025

Eurofins TestAmerica - Albuquerque
4901 Hawkins St NE Ste D
Albuquerque, NM 87109-4372

Work Order: B25061273 Quote ID: B15626

Project Name: Hare 15 88501698

Energy Laboratories Inc Billings MT received the following 1 sample for Eurofins TestAmerica - Albuquerque on 6/13/2025 for analysis.

Lab ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
B25061273-001	SVE-1 (885-26631-1)	06/10/25 13:30	06/13/25	Air	Air Correction Calculations Appearance and Comments Calculated Properties GPM @ std cond,/1000 cu. ft., moist. Free Natural Gas Analysis Specific Gravity @ 60/60

The analyses presented in this report were performed by Energy Laboratories, Inc., 1120 So. 27th Street, Billings, MT 59101, unless otherwise noted. Any exceptions or problems with the analyses are noted in the report package. Any issues encountered during sample receipt are documented in the Work Order Receipt Checklist.

The results as reported relate only to the item(s) submitted for testing. This report shall be used or copied only in its entirety. Energy Laboratories, Inc. is not responsible for the consequences arising from the use of a partial report.

Energy Laboratories, Inc. verifies the reported results for the analysis has been technically reviewed and approved for release.

If you have any questions regarding these test results, please contact your Project Manager.

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LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Eurofins TestAmerica - Albuquerque
Project: Hare 15 88501698
Lab ID: B25061273-001
Client Sample ID: SVE-1 (885-26631-1)

Report Date: 06/17/25
Collection Date: 06/10/25 13:30
DateReceived: 06/13/25
Matrix: Air

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
GAS CHROMATOGRAPHY ANALYSIS REPORT							
Oxygen	21.97	Mol %		0.01		GPA 2261-13	06/16/25 10:01 / jrj
Nitrogen	77.85	Mol %		0.01		GPA 2261-13	06/16/25 10:01 / jrj
Carbon Dioxide	0.16	Mol %		0.01		GPA 2261-13	06/16/25 10:01 / jrj
Hydrogen Sulfide	<0.01	Mol %		0.01		GPA 2261-13	06/16/25 10:01 / jrj
Methane	<0.01	Mol %		0.01		GPA 2261-13	06/16/25 10:01 / jrj
Ethane	<0.01	Mol %		0.01		GPA 2261-13	06/16/25 10:01 / jrj
Propane	<0.01	Mol %		0.01		GPA 2261-13	06/16/25 10:01 / jrj
Isobutane	<0.01	Mol %		0.01		GPA 2261-13	06/16/25 10:01 / jrj
n-Butane	<0.01	Mol %		0.01		GPA 2261-13	06/16/25 10:01 / jrj
Isopentane	<0.01	Mol %		0.01		GPA 2261-13	06/16/25 10:01 / jrj
n-Pentane	<0.01	Mol %		0.01		GPA 2261-13	06/16/25 10:01 / jrj
Hexanes plus	0.02	Mol %		0.01		GPA 2261-13	06/16/25 10:01 / jrj
Propane	< 0.001	gpm		0.001		GPA 2261-13	06/16/25 10:01 / jrj
Isobutane	< 0.001	gpm		0.001		GPA 2261-13	06/16/25 10:01 / jrj
n-Butane	< 0.001	gpm		0.001		GPA 2261-13	06/16/25 10:01 / jrj
Isopentane	< 0.001	gpm		0.001		GPA 2261-13	06/16/25 10:01 / jrj
n-Pentane	< 0.001	gpm		0.001		GPA 2261-13	06/16/25 10:01 / jrj
Hexanes plus	0.008	gpm		0.001		GPA 2261-13	06/16/25 10:01 / jrj
GPM Total	0.008	gpm		0.001		GPA 2261-13	06/16/25 10:01 / jrj
GPM Pentanes plus	0.008	gpm		0.001		GPA 2261-13	06/16/25 10:01 / jrj
CALCULATED PROPERTIES							
Gross BTU per cu ft @ Std Cond. (HHV)	1			1		GPA 2261-13	06/16/25 10:01 / jrj
Net BTU per cu ft @ std cond. (LHV)	1			1		GPA 2261-13	06/16/25 10:01 / jrj
Pseudo-critical Pressure, psia	546			1		GPA 2261-13	06/16/25 10:01 / jrj
Pseudo-critical Temperature, deg R	239			1		GPA 2261-13	06/16/25 10:01 / jrj
Specific Gravity @ 60/60F	0.999			0.001		D3588-81	06/16/25 10:01 / jrj
Air, %	100.40			0.01		GPA 2261-13	06/16/25 10:01 / jrj
- The analysis was not corrected for air.							
COMMENTS							
-						-	06/16/25 10:01 / jrj

- BTU, GPM, and specific gravity are corrected for deviation from ideal gas behavior.
- GPM = gallons of liquid at standard conditions per 1000 cu. ft. of moisture free gas @ standard conditions.
- To convert BTU to a water-saturated basis @ standard conditions, multiply by 0.9825.
- Standard conditions: 60 F & 14.73 psi on a dry basis.

Report Definitions:
RL - Analyte Reporting Limit
QCL - Quality Control Limit
MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)

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QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25061273 **Report Date:** 06/17/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **GPA 2261-13**										Batch: R444172
Lab ID: **B25061273-001ADUP**	12	Sample Duplicate				Run: GC7890_250616A				06/16/25 10:50
Oxygen		21.4	Mol %	0.01				2.4	20	
Nitrogen		78.4	Mol %	0.01				0.7	20	
Carbon Dioxide		0.16	Mol %	0.01				0.0	20	
Hydrogen Sulfide		<0.01	Mol %	0.01					20	
Methane		<0.01	Mol %	0.01					20	
Ethane		<0.01	Mol %	0.01					20	
Propane		<0.01	Mol %	0.01					20	
Isobutane		<0.01	Mol %	0.01					20	
n-Butane		<0.01	Mol %	0.01					20	
Isopentane		<0.01	Mol %	0.01					20	
n-Pentane		<0.01	Mol %	0.01					20	
Hexanes plus		0.02	Mol %	0.01				0.0	20	
Lab ID: **LCS061625**	11	Laboratory Control Sample				Run: GC7890_250616A				06/16/25 12:40
Oxygen		0.60	Mol %	0.01	122	70	130			
Nitrogen		5.86	Mol %	0.01	99	70	130			
Carbon Dioxide		0.99	Mol %	0.01	99	70	130			
Methane		76.4	Mol %	0.01	100	70	130			
Ethane		6.02	Mol %	0.01	99	70	130			
Propane		5.10	Mol %	0.01	102	70	130			
Isobutane		1.72	Mol %	0.01	86	70	130			
n-Butane		2.07	Mol %	0.01	104	70	130			
Isopentane		0.52	Mol %	0.01	104	70	130			
n-Pentane		0.54	Mol %	0.01	108	70	130			
Hexanes plus		0.23	Mol %	0.01	111	70	130			

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

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Work Order Receipt Checklist

Eurofins TestAmerica - Albuquerque B25061273

Login completed by: Danielle N. Harris
Date Received: 6/13/2025
Reviewed by: gmccartney
Received by: DNH
Reviewed Date: 6/14/2025
Carrier name: FedEx NDA

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on all shipping container(s)/cooler(s)?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on all sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time? (Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.)	Yes ☑	No ☐	
Temp Blank received in all shipping container(s)/cooler(s)?	Yes ☑	No ☐	Not Applicable ☐
Container/Temp Blank temperature:	23.7°C No Ice		
Containers requiring zero headspace have no headspace or bubble that is <6mm (1/4").	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Not Applicable ☑

Standard Reporting Procedures:

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as –dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

The reference date for Radon analysis is the sample collection date. The reference date for all other Radiochemical analyses is the analysis date. Radiochemical precision results represent a 2-sigma Total Measurement Uncertainty.

For methods that require zero headspace or require preservation check at the time of analysis due to potential interference, the pH is verified at analysis. Nonconforming sample pH is documented as part of the analysis and included in the sample analysis comments.

Trip Blanks and/or Blind Duplicate samples are assigned the earliest collection time for the associated requested analysis in order to evaluate the holding time unless specifically indicated.

Contact and Corrective Action Comments:

None

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Laboratory Certifications and Accreditations

Current certificates are available at www.energylab.com website:

	Agency	Number
Billings, MT	Alaska	17-023
	California	3087
	Colorado	MT00005
	Department of Defense (DoD)/ISO17025	ADE-2588
	Florida (Primary NELAP)	E87668
	Idaho	MT00005
	Louisiana	05079
	Montana	CERT0044
	Nebraska	NE-OS-13-04
	Nevada	NV-C24-00250
	North Dakota	R-007
	National Radon Proficiency	109383-RMP
	Oregon	4184
	South Dakota	ARSD 74:04:07
	Texas	TX-C24-00302
	US EPA Region VIII	Reciprocal
	USDA Soil Permit	P330-20-00170
	Washington	C1039
Casper, WY	Alaska	20-006
	California	3021
	Colorado	WY00002
	Florida (Primary NELAP)	E87641
	Idaho	WY00002
	Louisiana	05083
	Montana	CERT0002
	Nebraska	NE-OS-08-04
	Nevada	NV-C24-00245
	North Dakota	R-125
	Oregon	WY200001
	South Dakota	WY00002
	Texas	T104704181-23-21
	US EPA Region VIII	WY00002
	USNRC License	49-26846-01
	Washington	C1012
Gillette, WY	US EPA Region VIII	WY00006
Helena, MT	Colorado	MT00945
	Montana	CERT0079
	Nevada	NV-C24-00119
	US EPA Region VIII	Reciprocal
	USDA Soil Permit	P330-20-00090

Released to Imaging: 7/29/2025 8:04:10 AM
Received by OCD: 7/15/2025 10:09:58 AM

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque, NM 87109
Phone: 505-345-3975 Fax: 505-345-4107

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Garcia, Michelle	Carrier Tracking No(s): N/A	COC No: 885-5328.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: michelle.garcia@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Energy Laboratories, Inc.		Accreditations Required (See note): NELAP - Oregon; State - New Mexico		Job #: 885-26631-1
Address: 1120 South 27th Street, ,	Due Date Requested: 6/19/2025			Preservation Codes: -
City: Billings	TAT Requested (days): N/A			
State, Zip: MT, 59101				
Phone: 406-252-6325(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Hare 15	Project #: 88501698			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SUB (Fixed Gases)/ Fixed Gases	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
SVE-1 (885-26631-1)	6/10/25	13:30 Mountain	G	Air			X	1	See Attached Instructions

~~B250601273~~ DUE 06/13/25
B250601273

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	6/12/25 15:42				
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
				06/13/25 1030	EL

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

ICOC No:
885-5328

Containers

Count	Container Type	Preservative
1	Tedlar Bag 1L	None

Subcontract Method Instructions

Sample IDs	Method	Method Description	Method Comments
1	SUBCONTRACT	SUB (Fixed Gases)/ Fixed Gases	Fixed Gases

Released to Imaging: 7/29/2025 8:04:10 AM
Received by OCD: 7/15/2025 10:09:58 AM

Chain-of-Custody Record

Client: Hilcorp

Mailing Address:

Phone #:

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: Hare 15

Project #:

Project Manager: Mitch Killough

Sampler: Brandon Sinclair

On Ice: ☐ Yes ☒ No

# of Coolers: 1

Cooler Temp (including CF): — (°C)

HALL ENVIRONMENTAL ANALYSIS LABORA
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

885-26631 COC

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
6-10	1330	air	SVE-1	2 Tedlar		

Analysis Request

BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	8015 TVPH	Fixed gas O_2 & CO_2				
							✓			✓	✓				

Date	Time	Relinquished by	Received by	Via	Date	Time
6/11/25	1625				6/11/25	1625
6/11/25	1805			courier	6/12/25	5:50

Remarks:

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: 885-26631-1

Login Number: 26631 **List Source: Eurofins Albuquerque**
List Number: 1
Creator: Casarrubias, Tracy

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
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.	False	Thermal preservation not required.
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	

ENSOLUM

APPENDIX E

Groundwater Laboratory Analytical Reports

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 5/12/2025 11:29:34 AM

JOB DESCRIPTION

Hare 15

JOB NUMBER

885-24277-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.

Released to Imaging: 7/29/2025 8:04:10 AM

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

Generated
5/12/2025 11:29:34 AM

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

Client: Hilcorp Energy
Project/Site: Hare 15

Laboratory Job ID: 885-24277-1

Table of Contents

Definitions/Glossary

Client: Hilcorp Energy
Project/Site: Hare 15

Job ID: 885-24277-1

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: Hare 15

Job ID: 885-24277-1

Job ID: 885-24277-1 Eurofins Albuquerque

Job Narrative
885-24277-1

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 5/6/2025 7:15 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 4.3°C.

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

Client Sample Results

Client: Hilcorp Energy
Project/Site: Hare 15

Job ID: 885-24277-1

Client Sample ID: MW-26

Date Collected: 05/02/25 14:00
Date Received: 05/06/25 07:15

Lab Sample ID: 885-24277-1

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	11000		500		ug/L			05/09/25 19:11	500
Ethylbenzene	740		500		ug/L			05/09/25 19:11	500
Toluene	25000		500		ug/L			05/09/25 19:11	500
Xylenes, Total	9900		750		ug/L			05/09/25 19:11	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 130*		*05/09/25 19:11*	*500*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*		*05/09/25 19:11*	*500*
Dibromofluoromethane (Surr)	*107*		*70 - 130*		*05/09/25 19:11*	*500*
Toluene-d8 (Surr)	*95*		*70 - 130*		*05/09/25 19:11*	*500*

Client Sample Results

Client: Hilcorp Energy
Project/Site: Hare 15

Job ID: 885-24277-1

Client Sample ID: MW-29

Date Collected: 05/02/25 12:20
Date Received: 05/06/25 07:15

Lab Sample ID: 885-24277-2

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			05/09/25 19:35	1
Ethylbenzene	ND		1.0		ug/L			05/09/25 19:35	1
Toluene	ND		1.0		ug/L			05/09/25 19:35	1
Xylenes, Total	ND		1.5		ug/L			05/09/25 19:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 130*		*05/09/25 19:35*	*1*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*		*05/09/25 19:35*	*1*
Dibromofluoromethane (Surr)	*105*		*70 - 130*		*05/09/25 19:35*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*05/09/25 19:35*	*1*

Client Sample Results

Client: Hilcorp Energy
Project/Site: Hare 15

Job ID: 885-24277-1

Client Sample ID: MW-31

Date Collected: 05/02/25 10:00
Date Received: 05/06/25 07:15

Lab Sample ID: 885-24277-3

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			05/09/25 20:00	1
Ethylbenzene	ND		1.0		ug/L			05/09/25 20:00	1
Toluene	ND		1.0		ug/L			05/09/25 20:00	1
Xylenes, Total	ND		1.5		ug/L			05/09/25 20:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 130*		*05/09/25 20:00*	*1*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*		*05/09/25 20:00*	*1*
Dibromofluoromethane (Surr)	*110*		*70 - 130*		*05/09/25 20:00*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*05/09/25 20:00*	*1*

Client Sample Results

Client: Hilcorp Energy
Project/Site: Hare 15

Job ID: 885-24277-1

Client Sample ID: MW-33

Date Collected: 05/02/25 17:00
Date Received: 05/06/25 07:15

Lab Sample ID: 885-24277-4

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			05/09/25 20:25	1
Ethylbenzene	ND		1.0		ug/L			05/09/25 20:25	1
Toluene	ND		1.0		ug/L			05/09/25 20:25	1
Xylenes, Total	ND		1.5		ug/L			05/09/25 20:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*		*05/09/25 20:25*	*1*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*		*05/09/25 20:25*	*1*
Dibromofluoromethane (Surr)	*111*		*70 - 130*		*05/09/25 20:25*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*		*05/09/25 20:25*	*1*

Client Sample Results

Client: Hilcorp Energy
Project/Site: Hare 15

Job ID: 885-24277-1

Client Sample ID: MW-34

Date Collected: 05/02/25 15:40
Date Received: 05/06/25 07:15

Lab Sample ID: 885-24277-5

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			05/09/25 20:49	1
Ethylbenzene	ND		1.0		ug/L			05/09/25 20:49	1
Toluene	ND		1.0		ug/L			05/09/25 20:49	1
Xylenes, Total	ND		1.5		ug/L			05/09/25 20:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 130*		*05/09/25 20:49*	*1*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*		*05/09/25 20:49*	*1*
Dibromofluoromethane (Surr)	*112*		*70 - 130*		*05/09/25 20:49*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*05/09/25 20:49*	*1*

Client Sample Results

Client: Hilcorp Energy
Project/Site: Hare 15

Job ID: 885-24277-1

Client Sample ID: MW-35

Date Collected: 05/02/25 14:45
Date Received: 05/06/25 07:15

Lab Sample ID: 885-24277-6

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			05/09/25 21:14	1
Ethylbenzene	ND		1.0		ug/L			05/09/25 21:14	1
Toluene	ND		1.0		ug/L			05/09/25 21:14	1
Xylenes, Total	ND		1.5		ug/L			05/09/25 21:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 130*		*05/09/25 21:14*	*1*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*		*05/09/25 21:14*	*1*
Dibromofluoromethane (Surr)	*113*		*70 - 130*		*05/09/25 21:14*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*05/09/25 21:14*	*1*

Client Sample Results

Client: Hilcorp Energy
Project/Site: Hare 15

Job ID: 885-24277-1

Client Sample ID: MW-38

Date Collected: 05/02/25 11:30
Date Received: 05/06/25 07:15

Lab Sample ID: 885-24277-7

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			05/09/25 21:38	1
Ethylbenzene	ND		1.0		ug/L			05/09/25 21:38	1
Toluene	ND		1.0		ug/L			05/09/25 21:38	1
Xylenes, Total	ND		1.5		ug/L			05/09/25 21:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*		*05/09/25 21:38*	*1*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*		*05/09/25 21:38*	*1*
Dibromofluoromethane (Surr)	*113*		*70 - 130*		*05/09/25 21:38*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*05/09/25 21:38*	*1*

Client Sample Results

Client: Hilcorp Energy
Project/Site: Hare 15

Job ID: 885-24277-1

Client Sample ID: MW-06

Date Collected: 05/01/25 13:00
Date Received: 05/06/25 07:15

Lab Sample ID: 885-24277-8

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			05/09/25 22:03	1
Ethylbenzene	ND		1.0		ug/L			05/09/25 22:03	1
Toluene	ND		1.0		ug/L			05/09/25 22:03	1
Xylenes, Total	ND		1.5		ug/L			05/09/25 22:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*		*05/09/25 22:03*	*1*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*		*05/09/25 22:03*	*1*
Dibromofluoromethane (Surr)	*114*		*70 - 130*		*05/09/25 22:03*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*05/09/25 22:03*	*1*

Client Sample Results

Client: Hilcorp Energy
Project/Site: Hare 15

Job ID: 885-24277-1

Client Sample ID: MW-20

Date Collected: 05/01/25 16:00
Date Received: 05/06/25 07:15

Lab Sample ID: 885-24277-9

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**9700**		500		ug/L			05/09/25 22:28	500
Ethylbenzene	ND		500		ug/L			05/09/25 22:28	500
Toluene	**7300**		500		ug/L			05/09/25 22:28	500
Xylenes, Total	**7100**		750		ug/L			05/09/25 22:28	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*70 - 130*		*05/09/25 22:28*	*500*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*		*05/09/25 22:28*	*500*
Dibromofluoromethane (Surr)	*120*		*70 - 130*		*05/09/25 22:28*	*500*
Toluene-d8 (Surr)	*94*		*70 - 130*		*05/09/25 22:28*	*500*

Client Sample Results

Client: Hilcorp Energy
Project/Site: Hare 15

Job ID: 885-24277-1

Client Sample ID: MW-22

Date Collected: 05/01/25 16:45
Date Received: 05/06/25 07:15

Lab Sample ID: 885-24277-10

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**2.1**		2.0		ug/L			05/09/25 19:04	2
Ethylbenzene	**53**		2.0		ug/L			05/09/25 19:04	2
Toluene	ND		2.0		ug/L			05/09/25 19:04	2
Xylenes, Total	ND		3.0		ug/L			05/09/25 19:04	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*		*05/09/25 19:04*	*2*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*05/09/25 19:04*	*2*
Dibromofluoromethane (Surr)	*103*		*70 - 130*		*05/09/25 19:04*	*2*
Toluene-d8 (Surr)	*100*		*70 - 130*		*05/09/25 19:04*	*2*

Client Sample Results

Client: Hilcorp Energy
Project/Site: Hare 15

Job ID: 885-24277-1

Client Sample ID: MW-23
Date Collected: 05/02/25 13:00
Date Received: 05/06/25 07:15

Lab Sample ID: 885-24277-11
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			05/09/25 19:32	1
Ethylbenzene	ND		1.0		ug/L			05/09/25 19:32	1
Toluene	ND		1.0		ug/L			05/09/25 19:32	1
Xylenes, Total	ND		1.5		ug/L			05/09/25 19:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*		*05/09/25 19:32*	*1*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*05/09/25 19:32*	*1*
Dibromofluoromethane (Surr)	*103*		*70 - 130*		*05/09/25 19:32*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*05/09/25 19:32*	*1*

QC Sample Results

Client: Hilcorp Energy
Project/Site: Hare 15

Job ID: 885-24277-1

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

Lab Sample ID: MB 885-25816/4
Matrix: Water
Analysis Batch: 25816

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			05/09/25 13:00	1
Ethylbenzene	ND		1.0		ug/L			05/09/25 13:00	1
Toluene	ND		1.0		ug/L			05/09/25 13:00	1
Xylenes, Total	ND		1.5		ug/L			05/09/25 13:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*		*05/09/25 13:00*	*1*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*05/09/25 13:00*	*1*
Dibromofluoromethane (Surr)	*104*		*70 - 130*		*05/09/25 13:00*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*05/09/25 13:00*	*1*

Lab Sample ID: LCS 885-25816/3
Matrix: Water
Analysis Batch: 25816

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			20.0	21.7		ug/L		108	70 - 130		
Toluene			20.0	20.3		ug/L		102	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
Dibromofluoromethane (Surr)	*102*		*70 - 130*
Toluene-d8 (Surr)	*101*		*70 - 130*

Lab Sample ID: MB 885-25868/4
Matrix: Water
Analysis Batch: 25868

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			05/09/25 13:03	1
Ethylbenzene	ND		1.0		ug/L			05/09/25 13:03	1
Toluene	ND		1.0		ug/L			05/09/25 13:03	1
Xylenes, Total	ND		1.5		ug/L			05/09/25 13:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 130*		*05/09/25 13:03*	*1*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*		*05/09/25 13:03*	*1*
Dibromofluoromethane (Surr)	*109*		*70 - 130*		*05/09/25 13:03*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*05/09/25 13:03*	*1*

Lab Sample ID: LCS 885-25868/3
Matrix: Water
Analysis Batch: 25868

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			20.0	18.9		ug/L		95	70 - 130		
Toluene			20.0	19.8		ug/L		99	70 - 130		

QC Sample Results

Client: Hilcorp Energy
Project/Site: Hare 15

Job ID: 885-24277-1

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		70 - 130
4-Bromofluorobenzene (Surr)	89		70 - 130
Dibromofluoromethane (Surr)	107		70 - 130
Toluene-d8 (Surr)	97		70 - 130

QC Association Summary

Client: Hilcorp Energy
Project/Site: Hare 15

Job ID: 885-24277-1

GC/MS VOA

Analysis Batch: 25816

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-24277-10	MW-22	Total/NA	Water	8260B	
885-24277-11	MW-23	Total/NA	Water	8260B	
MB 885-25816/4	Method Blank	Total/NA	Water	8260B	
LCS 885-25816/3	Lab Control Sample	Total/NA	Water	8260B	

Analysis Batch: 25868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-24277-1	MW-26	Total/NA	Water	8260B	
885-24277-2	MW-29	Total/NA	Water	8260B	
885-24277-3	MW-31	Total/NA	Water	8260B	
885-24277-4	MW-33	Total/NA	Water	8260B	
885-24277-5	MW-34	Total/NA	Water	8260B	
885-24277-6	MW-35	Total/NA	Water	8260B	
885-24277-7	MW-38	Total/NA	Water	8260B	
885-24277-8	MW-06	Total/NA	Water	8260B	
885-24277-9	MW-20	Total/NA	Water	8260B	
MB 885-25868/4	Method Blank	Total/NA	Water	8260B	
LCS 885-25868/3	Lab Control Sample	Total/NA	Water	8260B	

Lab Chronicle

Client: Hilcorp Energy
Project/Site: Hare 15

Job ID: 885-24277-1

Client Sample ID: MW-26
Lab Sample ID: 885-24277-1
Date Collected: 05/02/25 14:00
Matrix: Water
Date Received: 05/06/25 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		500	25868	RA	EET ALB	05/09/25 19:11

Client Sample ID: MW-29
Lab Sample ID: 885-24277-2
Date Collected: 05/02/25 12:20
Matrix: Water
Date Received: 05/06/25 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	25868	RA	EET ALB	05/09/25 19:35

Client Sample ID: MW-31
Lab Sample ID: 885-24277-3
Date Collected: 05/02/25 10:00
Matrix: Water
Date Received: 05/06/25 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	25868	RA	EET ALB	05/09/25 20:00

Client Sample ID: MW-33
Lab Sample ID: 885-24277-4
Date Collected: 05/02/25 17:00
Matrix: Water
Date Received: 05/06/25 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	25868	RA	EET ALB	05/09/25 20:25

Client Sample ID: MW-34
Lab Sample ID: 885-24277-5
Date Collected: 05/02/25 15:40
Matrix: Water
Date Received: 05/06/25 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	25868	RA	EET ALB	05/09/25 20:49

Client Sample ID: MW-35
Lab Sample ID: 885-24277-6
Date Collected: 05/02/25 14:45
Matrix: Water
Date Received: 05/06/25 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	25868	RA	EET ALB	05/09/25 21:14

Client Sample ID: MW-38
Lab Sample ID: 885-24277-7
Date Collected: 05/02/25 11:30
Matrix: Water
Date Received: 05/06/25 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	25868	RA	EET ALB	05/09/25 21:38

Lab Chronicle

Client: Hilcorp Energy
Project/Site: Hare 15

Job ID: 885-24277-1

Client Sample ID: MW-06
Lab Sample ID: 885-24277-8
Date Collected: 05/01/25 13:00
Matrix: Water
Date Received: 05/06/25 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	25868	RA	EET ALB	05/09/25 22:03

Client Sample ID: MW-20
Lab Sample ID: 885-24277-9
Date Collected: 05/01/25 16:00
Matrix: Water
Date Received: 05/06/25 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		500	25868	RA	EET ALB	05/09/25 22:28

Client Sample ID: MW-22
Lab Sample ID: 885-24277-10
Date Collected: 05/01/25 16:45
Matrix: Water
Date Received: 05/06/25 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		2	25816	RA	EET ALB	05/09/25 19:04

Client Sample ID: MW-23
Lab Sample ID: 885-24277-11
Date Collected: 05/02/25 13:00
Matrix: Water
Date Received: 05/06/25 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	25816	RA	EET ALB	05/09/25 19:32

Laboratory References:

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

Accreditation/Certification Summary

Client: Hilcorp Energy
Project/Site: Hare 15

Job ID: 885-24277-1

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

Oregon	NELAP	NM100001	02-26-26

Released to Imaging: 7/29/2025 8:04:10 AM
Received by OCD: 7/15/2025 10:09:58 AM

Chain-of-Custody Record

HALL ENVIRONME
ANALYSIS LABOR
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 8710
Tel. 505-345-3975 Fax 505-345-4107

885-24277 COC

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:
X Standard ☐ Rush

Project Name:
Hare 15

Project #:

Project Manager:
Mitch Killough

Sampler: Brandon Sinclair
On Ice: ☒ Yes ☐ No mgi
# of Coolers: 1
Cooler Temp(including CF): 4.1+0.2=4.3

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX Method 8260B															
		~~Water~~	~~MW-24~~	~~(3) 40ml VOA~~	~~HCL~~		~~X~~															
5-2	1400	Water	MW-26	(3) 40ml VOA	HCL		X															
5-2	1220	Water	MW-29	(3) 40ml VOA	HCL		X															
		~~Water~~	~~MW-30~~	~~(3) 40ml VOA~~	~~HCL~~		~~X~~															
5-2	1000	Water	MW-31	(3) 40ml VOA	HCL		X															
5-2	1700	Water	MW-33	(3) 40ml VOA	HCL		X															
5-2	1540	Water	MW-34	(3) 40ml VOA	HCL		X															
5-2	1445	Water	MW-35	(3) 40ml VOA	HCL		X															
		~~Water~~	~~MW-36~~	~~(3) 40ml VOA~~	~~HCL~~		~~X~~															
		~~Water~~	~~MW-37~~	~~(3) 40ml VOA~~	~~HCL~~		~~X~~															
5-2	1130	Water	MW-38	(3) 40ml VOA	HCL		X															

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
5/5/25	1637				5/5/25	1637
5/5/25	1830			courier	5/6/25	7:15

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.

Released to Imaging: 7/29/2025 8:04:10 AM
Received by OCD: 7/15/2025 10:09:58 AM

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:
X Standard ☐ Rush

Project Name: Hare 15

Project #:

Project Manager: Mitch Killough

Sampler: Brandon Sinclair

On Ice: ☑ Yes ☐ No mcp

# of Coolers: 1

Cooler Temp(including CF): 4.1 +0.2 = 4.3 °C

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX Method 8260 B															
		~~Water~~	MW-01	(3) 40ml VOA	~~HCL~~		X	C														
5-1	1300	Water	MW-06	(3) 40ml VOA	HCL		X															
		~~Water~~	MW-08	(3) 40ml VOA	HCL		X															
		Water	MW-09	(3) 40ml VOA	HCL		X															
		Water	~~MW-10~~	(3) 40ml VOA	HCL		X															
		Water	MW-11	(3) 40ml VOA	HCL		X															
		Water	~~MW-14~~	(3) 40ml VOA	HCL		X															
		Water	MW-15	(3) 40ml VOA	HCL		X															
		~~Water~~	MW-19	(3) 40ml VOA	HCL		X															
5-1	1600	Water	MW-20	(3) 40ml VOA	HCL		X															
5-1	1645	Water	MW-22	(3) 40ml VOA	HCL		X															
5-2	1300	Water	MW-23	(3) 40ml VOA	HCL		X															

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
5/5/25	1637				5/5/25	1637
5/5/25	1830			courier	5/6/25	7:15

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.

Login Sample Receipt Checklist

Client: Hilcorp Energy Job Number: 885-24277-1

Login Number: 24277 **List Source: Eurofins Albuquerque**
List Number: 1
Creator: Casarrubias, Tracy

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
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

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 485028
	Action Type: [REPORT] Alternative Remediation Report (C-141AR)

CONDITIONS

Created By	Condition	Condition Date
nvelez	1. Continue O&M & sampling as stated in Discussions and Recommendations in report. 2. Submit next quarterly report by October 15, 2025.	7/29/2025