

April 16, 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: Remediation Completion Report and Closure Request Hare #14M San Juan County, New Mexico Hilcorp Energy Company NMOCD Incident Number: NRM2028852747

To Whom it May Concern:

Ensolum, LLC (Ensolum), on behalf of Hilcorp Energy Company (Hilcorp), presents this *Remediation Completion Report and Closure Request* associated with a release at the Hare #14M natural gas production well (Site), located in Unit D of Section 10, Township 29 North, Range 10West, San Juan County, New Mexico (Figure 1).

SITE BACKGROUND AND INITIAL RELEASE RESPONSE

On July 16, 2020, a release of natural-gas condensate was discovered at the Site during routine maintenance. The release was caused by a bullet hole near the bottom of the condensate aboveground storage tank. Approximately 36 barrels (bbls) of condensate were released from the tank but retained inside of the secondary containment berm. Upon discovery, Hilcorp gave notice to the New Mexico Oil Conservation Division (NMOCD) and the United States Bureau of Land Management (BLM) via telephone and email communication on July 16, 2020. Hilcorp subsequently submitted a Release Notification Form C-141 to the NMOCD on July 30, 2020. The NMOCD has assigned the Site incident number NRM2028852747.

After the discovery of the release, Hilcorp retained WSP USA, Inc. (WSP) to conduct Site investigation activities to define the vertical and lateral extent of the impacts to soil. WSP conducted drilling and soil sampling activities to assess the vertical and lateral extent of impacts at the Site. In total, 13 borings were advanced at the Site ranging in depth from 40 feet to 45 feet below ground surface (bgs). Groundwater and/or saturated soils were not encountered in any of the borings during drilling. Based on field screening of soil, at least two soil samples from each boring were submitted for laboratory analysis (with the exception of BH08). For borings BH01 through BH09, one soil sample was collected for laboratory analysis from the most impacted soil interval based on field screening results. One additional sample was collected for analysis near the terminus of each borehole. Additional samples were collected from borings BH02, BH05, and BH06 to obtain better resolution of concentrations at depth intervals between 35 feet and 45 feet bgs. Additionally, only one sample was analyzed from boring BH08 at a depth interval of 35 feet to 40 feet bgs. This was the only sample analyzed because it obtained the highest field screening result from that boring and was also near the terminus of the boring.

For borings BH10 through BH13, soil samples were collected every 5 feet from ground surface to the terminus of each boring. Soil samples were submitted for laboratory analysis of benzene, toluene, ethylbenzene, and total xylenes (BTEX) following United States Environmental Protection Agency (EPA) Method 8021B, total petroleum hydrocarbons (TPH)-gasoline range organics (GRO), TPH-diesel range organics (DRO), TPH-motor oil range organics (MRO) following EPA Method 8015, and chloride following EPA Method 300.0.

Laboratory analytical results indicated soil collected from borings BH01 and BH06 contained concentrations of total BTEX and/or TPH that exceeded the most stringent NMOCD Table I Closure Criteria. All other samples collected during the Site investigation were either detected below the most stringent NMOCD Table I Closure Criteria (presented in Title 19, Chapter 15, Part 29, Subpart 12 of the New Mexico Administrative Code [NMAC]) or were below laboratory detection limits for the listed constituents. Further details regarding the previous investigations were presented in the *Site Characterization Report and Remediation Work Plan* prepared by WSP and dated December 23, 2021.

SVE PILOT TESTING AND SYSTEM INSTALLATION

At the completion of drilling, 11 of the borings were completed as permanent soil-vapor extraction (SVE) wells at the Site, as shown on Figure 2. SVE wells were constructed by installing screened casing at depths with the highest TPH impact (based on analytical results and/or field photoionization detector [PID] results) and solid casing to the ground surface. In addition, nested SVE wells were installed in borings BH01, BH05, and BH06 to target multiple depth intervals in these areas. To evaluate the design of an SVE system, WSP conducted a pilot test to determine the flow rate and applied vacuum required to influence the subsurface and cause volatilization of the petroleum hydrocarbons entrained in the soil. Pilot test data was also used to determine specific Site design radius-of-influence (ROI) and radius-of-effect (ROE). Pilot test data indicated SVE was a viable technology to remediate the Site. Pilot test results were also summarized in the *Site Characterization Report and Remediation Work Plan*.

SVE REMEDIATION SYSTEM OPERATION

Based on the pilot test, an SVE system consisting of a 3-phase, 6 horsepower Atlantic Blower AB-802 regenerative blower, capable of producing 399 cubic feet per minute (cfm) flow and 125 inches of water column (IWC) vacuum, was installed at the Site. The system was powered by a permanent power drop and was intended to run 24 hours per day. The SVE system began operation on June 6, 2023. Seven SVE wells were previously in operation from startup through June 4, 2024. Between October 14, 2024 and March 31, 2025, the SVE system was focused on vapor extraction on wells SVE01 and SVE08 in order to maximize mass removal from the remaining impacted soil zones based on field data from individual wells. Since startup, quarterly operation and maintenance (O&M) reports have been submitted to the NMOCD summarizing field activities and analytical results collected from the system.

Since commencement of the SVE system in June of 2023, a total of 4,447 pounds (2.22 tons) of total volatile petroleum hydrocarbons (TVPH) have been removed by the system through March 31, 2025. No phase-separated hydrocarbons were recovered from the SVE wells during the O&M and sampling periods. A decrease in overall system PID readings and associated mass removal rates has been observed since system startup, as is anticipated. As discussed in the *Third Quarter 2024 – SVE System Update*, adjustments were made in the fourth quarter of 2024 to attempt to focus vacuum extraction on SVE wells SVE01 and SVE08, the locations with the highest PID readings; however, following adjustments, mass removal rates only increased slightly. Based on mass removal rates observed in the first quarter of 2025, confirmation soil sampling appeared to be warranted to confirm the effectiveness of the SVE system to remediate petroleum hydrocarbons in subsurface soil.

ENSOLUM



DRILLING AND CONFIRMATION SOIL SAMPLING ACTIVITIES

As proposed in the *Site Characterization Report and Remediation Work Plan*, drilling and soil confirmation sampling activities were performed once SVE system data indicated asymptotic conditions. Drilling activities occurred on March 18, 19, and 20, 2025 utilizing a hollow-stem auger drill rig and split-spoon sampler operated by Enviro-Drill Inc. from Albuquerque, New Mexico. A total of four borings, BH01A, BH02A, BH05A, and BH06A, were advanced to depths between 40 feet and 55 feet bgs at the locations shown on Figure 2. Ensolum submitted a confirmation sampling plan and notifications of sampling to the NMOCD prior to sampling activities (Appendix A).

During drilling, an Ensolum scientist logged lithology, inspected the soil for petroleum hydrocarbon staining and odors, and field screened for volatile organic compounds (VOCs) using a PID, with results noted on field logs (attached as Appendix B). In general, sand and silty sand were encountered in all borings from ground surface to approximately 20 feet bgs. Silt with sand was encountered below the coarser grained lithology in all borings to the terminal depths. Confirmation soil samples were collected at depth intervals indicating the greatest potential VOC concentrations based on field screening results and from the terminal depth of the boring. Soil samples were collected and placed directly into laboratory-provided jars and immediately placed on ice. Samples were submitted to Eurofins Environment Testing (Eurofins) for analysis of TPH and BTEX.

Based on the analytical data gathered during the Site sampling, all TPH and BTEX concentrations were in compliance with the most stringent NMOCD Table I Closure Criteria. Soil analytical results are summarized in Table 1, with complete laboratory analytical reports attached as Appendix C. Project photographs taken during drilling are included in Appendix D.

UPDATED SITE CHARACTERIZATION AND CLOSURE CRITERIA

The *Site Characterization Report and Remediation Work Plan* presented an assessment of potential nearby receptors based on reviews of topographic maps, Federal Emergency Management Administration (FEMA) Geographic Information System (GIS) maps, United States Geological Survey (USGS) GIS maps, New Mexico Office of the State Engineer (NMOSE) database, and aerial photographs, as well as Site-specific observations. At that time, delineation borings at the Site indicated groundwater was not present at depths up to 45 feet bgs; however, based on the proximity to the nearby Hare 15 natural gas production well site, depth-to-groundwater was potentially present at the Site at a depth less than 50 feet bgs. No other sensitive receptors were noted within the radii presented in 19.15.29.12 NMAC (Figure 1).

To further assess Site-specific depth-to-groundwater, boring BH01A was advanced on March 18, 2025, to a depth of 55 feet bgs. After completing the boring, a temporary well screen and casing was placed in the open boring and allowed to equilibrate for 72 hours. A water-level indicator was used to assess for the presence or absence of groundwater on March 21, 2025. Groundwater was not encountered in the boring, indicating the depth to groundwater beneath the Site is greater than 55 feet bgs. As such, the NMOCD Table I Closure Criteria for the Site have been modified to reflect the updated depth-to-water determination and are as follows: 10 milligrams per kilogram (mg/kg) for benzene; 50 mg/kg for BTEX; 1,000 mg/kg for TPH as a combination of GRO and DRO; and 2,500 mg/kg for TPH. The driller log, field boring log, and photograph of the water-level indicator are included in Appendix E.

CONCLUSIONS AND CLOSURE REQUEST

Due to the depth of impacts and favorable subsurface lithology at the Site (as indicated by the SVE pilot test performed in 2021), Hilcorp conducted remediation efforts using SVE technology at the Site. SVE emission analytical results collected from the SVE system between 2023 and the

ENSOLUM

SVE system operation activities were conducted at the Site to address the release discovered on July 16, 2020. Laboratory analytical results for the soil boring confirmation soil samples indicate all contaminant concentrations are compliant with the Site Closure Criteria and no further remediation is required. Remediation of impacted soil at the Site have been protective of human health, the environment, and groundwater. As such, Hilcorp respectfully requests closure for Incident Number NRM2028852747. Once approved, the SVE wells will be properly plugged and abandoned, and all related surface equipment will be decommissioned and removed from the Site.

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

Stuart Hyde, LG (licensed in TX, WA, & WY) Senior Managing Geologist (970) 903-1607 shyde@ensolum.com

Daniel R. Moir, PG (licensed in WY & TX) Senior Managing Geologist (303) 887-2946 dmoir@ensolum.com

Attachments:

- Figure 1: Site Location Map
- Figure 2: Confirmation Soil Sample Boring Locations

successfully remediated TPH-impacted soil at the Site.

- Table 1: Soil Sample Analytical Results
- Appendix A: Agency Correspondence
- Appendix B: Boring Logs
- Appendix C: Laboratory Analytical Reports
- Appendix D: Project Photographs
- Appendix E: Depth to Water Determination

Page 4





FIGURES





Released to Imaging: 6/26/2025 9:20:10 AM

Sources: Environmental Systems Research Institute (ESRI), Google Earth ·



TABLES

.

E N S O L U M

	TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS Hare #14M Hilcorp Energy Company San Juan County, New Mexico													
Sample Identification	Date	Depth (feet bgs)	PID (ppm)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	
NMOCD Closure Criteria for Soils Impacted by a Release		NE	10	NE	NE	NE	50	NE	NE	NE	1,000	2,500		
BH01@0'-5'	8/18/2020	0-5	9,118	3.8	120	33	490	647	8,600	1,500	<500	10,100	10,100	
BH01@38'-40'	8/18/2020	38-40	25.1	<0.025	0.10	<0.050	0.16	0.26	<5.0	<9.7	<49	<9.7	<49	
BH01A @ 0-5'	3/18/2025	0-5	0.1	< 0.0250	0.0250	<0.0250	0.0740	0.0990	<20.0	<25.0	<50.0	<25.0	<50.0	
BH01A @ 30-35'	3/18/2025	30-35	64.4	< 0.0250	< 0.0250	<0.0250	<0.0250	< 0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	
BH01A @ 50-55'	3/18/2025	50-55	2.5	< 0.0250	< 0.0250	< 0.0250	<0.0250	< 0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	
BH02@30'-35'	8/18/2020	30-35	107	<0.019	0.054	< 0.039	0.096	0.15	<3.9	<9.0	<45	<9.0	<45	
BH02@38'-40'	8/18/2020	38-40	46.1	<0.018	<0.036	<0.036	<0.073	<0.073	<3.6	<9.9	<49	<9.9	<49	
BH02A @ 30-35'	3/19/2025	30-35	1,335	<0.0250	0.443	0.134	2.45	3.03	69.9	<25.0	<50.0	69.9	69.9	
BH02A @ 35-40'	3/20/2025	35-40	427.2	<0.0250	<0.0250	<0.0250	0.156	0.156	<20.0	29.0	<50.0	29.0	29.0	
BH05@25'-30'	8/19/2020	25-30	2,268	<0.025	0.061	<0.049	0.36	0.42	14	<9.6	<48	14	14	
BH05@38'-40'	8/19/2020	38-40	174.0	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.7	<49	<9.7	<49	
BH05A @ 30-35'	3/20/2025	30-35	1,180	< 0.0250	0.175	0.0565	1.02	1.25	<20.0	32.4	<50.0	32.4	32.4	
BH05A @ 35-40'	3/20/2025	35-40	35.9	<0.0250	< 0.0250	<0.0250	<0.0250	<0.0250	<20.0	29.2	<50.0	29.2	29.2	
BH06@35'-38'	8/19/2020	35-38	1,732	<0.12	0.68	0.56	7.6	8.8	130	83	<44	213	213	
BH06@38'-40'	8/19/2020	38-40	682	<0.025	0.073	<0.049	0.20	0.27	<4.9	10	<49	10	10	
BH06A @ 30-35'	3/20/2025	30-35	663.6	< 0.0250	0.114	< 0.0250	0.398	0.512	<20.0	<25.0	<50.0	<25.0	<50.0	
BH06A @ 35-40'	3/20/2025	35-40	338.6	< 0.0250	0.0616	< 0.0250	0.38	0.442	<20.0	<25.0	<50.0	<25.0	<50.0	

Notes:

bgs: Below ground surface

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

DRO: Diesel Range Organics

GRO: Gasoline Range Organics

mg/kg: Milligrams per kilogram

MRO: Motor Oil/Lube Oil Range Organics

NE: Not Established

NMOCD: New Mexico Oil Conservation Division

PID: Photoionization detector

ppm: Parts per million

TPH: Total Petroleum Hydrocarbon

': Feet

<: Indicates result less than the stated laboratory reporting limit (RL)

Concentrations in **bold** and shaded exceed the New Mexico Oil Conservation Division Table I Closure Criteria for Soils Impacted by a Release

Grey and strikethrough text indicates soil impacts were remediated during operation of the soil-vapor extraction system



APPENDIX A

Agency Correspondence

From:	Velez, Nelson, EMNRD
То:	Stuart Hyde
Cc:	Mitch Killough, Devin Hencmann
Subject:	Re: [EXTERNAL] RE: Hilcorp SVE System Confirmation Soil Sampling Plans
Date:	Monday, March 10, 2025 2:53:53 PM
Attachments:	image001.png image002.png image003.png image005.png Outlook-gm0ltv20.png

[**EXTERNAL EMAIL**]

Good afternoon Stuart,

Thanks for the correspondence. Your sampling plan is hereby approved.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

The OCD requires a copy of all correspondence relative to remedial activities be included in all proposals and/or final closure reports. Correspondence required to be included in reports may include, but not limited to, notifications for liner inspections, sample events, spill/release/fire, and request for time extensions or variances.

Regards,

Nelson Velez • Environmental Specialist - Adv Environmental Bureau | EMNRD - Oil Conservation Division 1000 Rio Brazos Road | Aztec, NM 87410 (505) 469-6146 | nelson.velez@emnrd.nm.gov http://www.emnrd.nm.gov/ocd_



From: Stuart Hyde <shyde@ensolum.com>
Sent: Monday, March 10, 2025 1:57 PM
To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Cc: Mitch Killough <mkillough@hilcorp.com>; Devin Hencmann <dhencmann@ensolum.com>
Subject: RE: [EXTERNAL] RE: Hilcorp SVE System Confirmation Soil Sampling Plans

Nelson,

One last thing. I just remembered that the COAs (attached) stated that we would provide a soil sampling plan to the OCD for approval prior to confirmation soil sampling for the Hare 14M. With the sampling plan that I presented below and your comments, I would recommend, at a minimum, resampling at near BH01 at 0-5 feet and BH06 at 35 to 38 feet. Other than those two samples, there were no other exceedances during the delineation and SVE well installation effort. As such, we would sample other confirmation borings from the highest PID depth interval and bottom, assuming approval from the OCD.

At the Scott 4M, would recommend sampling at depths of approximately 25 feet, 40 feet, and 45 feet (bottom of borehole) below ground surface in each of the two borings based on the original delineation results of BH01 summarized in the attached table.

Please let us know if you see any issues with the above sampling program for each site. Thanks and Happy Monday.



Stuart Hyde, PG (Licensed in WA/TX)

Senior Managing Geologist 970-903-1607 Ensolum, LLC in f X

"If you want to go fast, go alone. If you want to go far, go together." - African Proverb

From: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Sent: Thursday, March 6, 2025 2:01 PM
To: Stuart Hyde <shyde@ensolum.com>
Cc: Mitch Killough <mkillough@hilcorp.com>; Devin Hencmann <dhencmann@ensolum.com>
Subject: Re: [EXTERNAL] RE: Hilcorp SVE System Confirmation Soil Sampling Plans

****EXTERNAL EMAIL****

Good afternoon Stuart,

Thanks for the correspondence.

I don't have any questions, but I'd like to reiterate that any previous area(s) (if not stated in the conditions of approval) that did not meet the applied Table I closure standards should be targeted to demonstrate that the SVE system was successful.

Have a safe and productive day!

Regards,

Nelson Velez • Environmental Specialist - Adv

Environmental Bureau | EMNRD - Oil Conservation Division 1000 Rio Brazos Road | Aztec, NM 87410 (505) 469-6146 | <u>nelson.velez@emnrd.nm.gov</u> <u>http://www.emnrd.nm.gov/ocd_</u>



From: Stuart Hyde <<u>shyde@ensolum.com</u>>
Sent: Thursday, March 6, 2025 1:38 PM
To: Velez, Nelson, EMNRD <<u>Nelson.Velez@emnrd.nm.gov</u>>
Cc: Mitch Killough <<u>mkillough@hilcorp.com</u>>; Devin Hencmann <<u>dhencmann@ensolum.com</u>>
Subject: [EXTERNAL] RE: Hilcorp SVE System Confirmation Soil Sampling Plans

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Nelson,

Just wanted to check in on this and see if you had any questions thus far. Thanks.



Stuart Hyde, PG (Licensed in WA/TX) Senior Managing Geologist 970-903-1607 Ensolum, LLC in f X

"If you want to go fast, go alone. If you want to go far, go together." - African Proverb

From: Stuart Hyde
Sent: Friday, February 28, 2025 1:45 PM
To: Velez, Nelson, EMNRD <<u>Nelson.Velez@emnrd.nm.gov</u>>
Cc: Mitch Killough <<u>mkillough@hilcorp.com</u>>; Devin Hencmann <<u>dhencmann@ensolum.com</u>>
Subject: Hilcorp SVE System Confirmation Soil Sampling Plans

Nelson,

We have two SVE sites that we are planning to drill for confirmation soil sampling in the next month. I want to clarify the sampling plans for both sites to make sure we are capturing what the NMOCD needs for potential Site closure. The approved remediation plans for both sites are attached. Please reach out with any questions and let me know if this needs to be formally submitted through the portal for approval. Our plan is to start drilling at the Hare 14M on March 18th. Thanks, and have a great weekend. Hare 14M:

- Advance four borings to 40 feet bgs for confirmation soil sampling. Boring locations are shown on the attached figure.
- Soils will be field screened at 5-ft intervals using a calibrated photoionization detector (PID).
- Two (2) samples will be collected for laboratory analysis from each boring: one sample at the depth interval indicated the highest PID field screening measurement and one sample at the terminus of the boring.
- Samples will be submitted to the laboratory for TPH (8015D) and BTEX (8021B) analysis only (no chloride).
- In addition, one of the above borings will be advanced to a depth of 55 feet to assess for depth to groundwater at the Site. The current closure criteria in the attached workplan are based on depth to water measurement at a nearby remediation site (Hare 15) but may not be accurate for the Hare 14M site. This boring will be left open for 72 hours and checked for water with an oil/water interface probe. Drillers logs will be provided to confirm depth and presence/absence of water.

Scott 4M:

- Advance two borings to 45 feet bgs for confirmation soil sampling. Boring locations are shown on Figure 5 in the updated remediation work plan (attached).
- Soils will be field screened at 5-ft intervals using a calibrated photoionization detector (PID).
- Two (2) samples will be collected for laboratory analysis from each boring: one sample at the depth interval indicated the highest PID field screening measurement and one sample at the terminus of the boring.
- Samples will be submitted to the laboratory for TPH (8015D) and BTEX (8021B) analysis only (no chloride).

1			
	Ŀ		
_			

Stuart Hyde, PG

(Licensed in WA/TX) Senior Managing Geologist 970-903-1607 <u>Ensolum, LLC</u> in f X

"If you want to go fast, go alone. If you want to go far, go together." – African Proverb

From:	Stuart Hyde
То:	ocd.enviro@emnrd.nm.gov; Wells, Shelly, EMNRD; Velez, Nelson, EMNRD
Subject:	FW: The Oil Conservation Division (OCD) has accepted the application, Application ID: 441889
Date:	Wednesday, March 12, 2025 4:01:00 PM
Attachments:	image001.png
	image002.png
	image003.png

Nelson,

The date was supposed to be 3/172025 to 3/21/2025. Typo in there, sorry about that.



Stuart Hyde, PG (Licensed in WA/TX) Senior Managing Geologist 970-903-1607 Ensolum, LLC in f X

"If you want to go fast, go alone. If you want to go far, go together." – African Proverb

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Wednesday, March 12, 2025 3:41 PM
To: Stuart Hyde <shyde@ensolum.com>
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 441889

[**EXTERNAL EMAIL**]

To whom it may concern (c/o Stuart Hyde for HILCORP ENERGY COMPANY),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nRM2028852747.

The sampling event is expected to take place:

When: 03/17/2025 @ 09:00 Where: D-10-29N-10W 0 FNL 0 FEL (36.74621,-107.87812)

Additional Information: Contact PM Stuart Hyde 970-903-1607

Additional Instructions: Hare 14M (36.746141, -107.878021) Additional soil drilling and sampling activities. Sampling to occur from Monday 3/17/2025 to Friday 3/14/2025 starting at 9:00 am each day.

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

• Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

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

From:	Velez, Nelson, EMNRD
То:	Stuart Hyde; Enviro, OCD, EMNRD
Cc:	Mitch Killough
Subject:	Re: [EXTERNAL] FW: The Oil Conservation Division (OCD) has accepted the application, Application ID: 443928
Date:	Wednesday, March 19, 2025 3:28:29 PM
Attachments:	image001.png
	image002.png
	image003.png
	Outlook-b53ikxsf.png

[**EXTERNAL EMAIL**]

Good afternoon Stuart,

Thank you for the update. Your variance request specifically addressing 19.15.29.12D (1a) NMAC is approved.

If an OCD representative is not on-site on the date &/or time given, please sample per 19.15.29 NMAC or from an OCD pre-approved sampling plan. For whatever reason, if the sampling timeframe is altered, please notify the OCD as soon as possible so we may adjust our schedule(s). Failure to notify the OCD of this change may result in the closure sample(s) not being accepted.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

The OCD requires a copy of all correspondence relative to remedial activities be included in all proposals and/or final closure reports. Correspondence required to be included in reports may include, but not limited to, notifications for liner inspections, sample events, spill/release/fire, and request for time extensions or variances.

Regards,

Nelson Velez • Environmental Specialist - Adv Environmental Bureau | EMNRD - Oil Conservation Division 1000 Rio Brazos Road | Aztec, NM 87410 (505) 469-6146 | nelson.velez@emnrd.nm.gov http://www.emnrd.nm.gov/ocd_



From: Stuart Hyde <shyde@ensolum.com>
Sent: Wednesday, March 19, 2025 2:11 PM
To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>; Enviro, OCD, EMNRD
<OCD.Enviro@emnrd.nm.gov>
Cc: Mitch Killough <mkillough@hilcorp.com>
Subject: [EXTERNAL] FW: The Oil Conservation Division (OCD) has accepted the application,
Application ID: 443928

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Nelson,

Due to mechanical issues with the drill rig, the drillers need to get a new rig to the site. As such, drilling will be extended to tomorrow, March 20, 2025 at the Hare 14M. We are requesting a variance from the 2-business day sampling notification requirement outlined in 19.15.29.12(D)(1)(a) to allow soil sampling at the site on March 20, 2025.



Stuart Hyde, PG (Licensed in WA/TX) Senior Managing Geologist 970-903-1607 Ensolum, LLC in f X

"If you want to go fast, go alone. If you want to go far, go together." - African Proverb

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Wednesday, March 19, 2025 12:44 PM
To: Stuart Hyde <shyde@ensolum.com>
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 443928

[**EXTERNAL EMAIL**]

To whom it may concern (c/o Stuart Hyde for HILCORP ENERGY COMPANY), The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nRM2028852747.

The sampling event is expected to take place:

When: 03/20/2025 @ 09:00 **Where:** D-10-29N-10W 0 FNL 0 FEL (36.74621,-107.87812)

Additional Information: Contact PM Stuart Hyde 970-903-1607

Additional Instructions: Hare 14M (36.746141, -107.878021)

We are requesting a variance from the 2-business day sampling notification requirement outlined in 19.15.29.12(D)(1)(a) to allow soil sampling at the site on Thursday, March 20, 2025

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

• Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

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

From:	OCDOnline@state.nm.us
То:	Stuart Hyde
Subject:	The Oil Conservation Division (OCD) has accepted the application, Application ID: 443928
Date:	Wednesday, March 19, 2025 12:44:24 PM

[**EXTERNAL EMAIL**]

To whom it may concern (c/o Stuart Hyde for HILCORP ENERGY COMPANY),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nRM2028852747.

The sampling event is expected to take place:

When: 03/20/2025 @ 09:00 **Where:** D-10-29N-10W 0 FNL 0 FEL (36.74621,-107.87812)

Additional Information: Contact PM Stuart Hyde 970-903-1607

Additional Instructions: Hare 14M (36.746141, -107.878021)

We are requesting a variance from the 2-business day sampling notification requirement outlined in 19.15.29.12(D)(1)(a) to allow soil sampling at the site on Thursday, March 20, 2025

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

• Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

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



APPENDIX B

Boring Logs

	Date Sam	pled: 03/	ISO (8/2025	LU	М	Project Loc Project Ma	ne: Hare #14M :ation: nager: Stuart Hyde	BORING LOG NUMBER BHOIA Project No.: Borehole Diameter: 8"		
	Driller:	r: Rodney Enviro-D ^{y:} EC+O				Top of Casi North Coor West Coord	dinate: Jinate:	Casing Diamete Well Materials: Surface Comple Boring Method:	etion:	
	DEPTH (FEET)	SAMPLE INTERVAL	BLOW COUNT	RECOVERY (%)	FID/PID READING (PPM)	USCS SYMBOL	GEOLOGIC DESCRIPTION	I	BORING/WELL COMPLETION	
	0 -									
1145		0-5	2-2-2	40%	0.1	SW-SM	Well graded sand -tan, dry, fine-coarse sand, no o/s			
	4	-							-	
1153	7 -	- 5-10	3-4-5	5%	0.6	5W~SM	5AA			
	9 10	-								
1159	11 12	- 10-15	2-2-2	50%	0.8	ъM	SAA, slightly more silt			
	13 14 15	_				•			,	
10-1	16 17		9-17-21	70%	0.2	SM	SAA Tan well graded v.f. med sand no o/s	, dry,		
1206	18	_							1	
	19					ML	Grey:sh, dry, non-plst/coh, r s:1t w:th some sand	10 0/2	<u> </u>	
	20 21	-								
1215	22	20-25	50 for 3"	50%	0.9	ML	SAA, more From			
	23 24	_								
	25									

Received	Date Sam Drilled By	E N pled: 03/1 ": N Env: Rodney E y: OF +	18/25 ro-Dr;11 3		M	Project Lo Project M Ground St	me: HARE 14M cation: inager: S. Hyde rface Elevation: ing Elevation: rdinate:	BORING LOG NUMBER BHOLA Project No.: Borehole Diameter: &" Casing Diameter: Well Materials: Surface Completion: Boring Method:		
	DEPTH (FEET)	SAMPLE INTERVAL	BLOW COUNT	RECOVERY (%)	FID/PID READING (PPM)	USCS SYMBOL	GEOLOGIC DESCRIPTIO		ORING/WELL OMPLETION	
	25	-								
1227	26 27	25-30	50 ‰ 4"	50%	19.7	ML	Silt w/ some fine sands, dry, non plst/coh, no o/s	grey,		
	28	-					non pist/con, no 0/3			
	29				· · · · · · · · · · · ·	-				
	30									
	31	-	· · · · · · · · · · · · · · · · · · ·	and the product of		-		· · · · · · · · · · · · · · · · · · ·		
1247	32	30-35	50-4"	<i>ц0</i> %	64.4	ML	SAA			
	33 -	_								
	34	_			-					
	³⁵ -		and a second					·		
1050	37	- 35-140	50-6"	60%	42.1	ML	SAA			
1258	38	-								
	39	-								
	40									
	41									
1329	42	40-45	36,50-6"	6%	14.5	ML	SAA			
	43					- I				
	44								and the second s	
	45									
	46	•								
1341	47	45-50	50-3"	60%	4.2	ML	5AA + shale?			
	48									
	49									
Released	50	· 19:6/26	/2025 9:2	0:10 AN						

					Client:	Hileonp	BORING	OG NUMBER		
	EN	SO	LU	M		ime: Hare 14	0			
_					Project Lo		BHO	A		
						abager: 5. Hyde	Project No .:			
Date Sam	pled: 3/	8/28			1	urface Elevation:	Borehole Dian	Borehole Diameter: @ **		
Drilled By		.0/25				sing Elevation:	Casing Diameter:			
Driller:					North Coo		Well Materials			
Logged B					West Coor		Surface Comp			
Do BBea	. OP				West Cool	UIRACC.	Boring Method:			
		н					B	1		
DEPTH (FEET)	SAMPLE INTERVAL	BLOW COUNT	RECOVERY (%)	FID/PID READING (PPM)	USCS SYABOL	DN	BORING/WELL COMPLETION			
50					-					
51	-					Clay, nols				
52 _	50-55	50-6	40%	2.5	CL					
53						Clay of gravel coarse, dry	1, no o/s	ę.,		
54 _ 55 _										
	1 1									
56 _										
57		the factors and the second								
··* _										
ہ -										
-10 -	-					and an and the second				
++ _ +2 -	-				-	e nagar - sal langeach lag ago blaga la glannach anns i lannach la dù				
-++	-		-							
	-		-							
			14			-37				
+6-				-						
-17-										
18 -	-									
19										
-20						annesses - 1 m - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -				
-21										
-22										
-23-										
-24-										
-25										

1420

	Date Sar Drilled I Driller: Logged 1 HLA E Q		Begay		FID/PID READING (PPM)	Project Loo Project Ma Ground Su	me: HARE #14M cation: inager: Stuart Hyde inface Elevation: ing Elevation: rdinate: dinate:	BORING LOG NUMBER BH02A Project No.: Borehole Diameter: 8 ^u Casing Diameter: Well Materials: Surface Completion: Boring Method: N BORING/WELL COMPLETION		
	0					a an				
	1	_			and a state of the		YEAN IN THE REAL PROPERTY IN		1	
1522	2	_ 0-5	2-2-4	40%	0.0	รฟ	Sand, well graded time-medium, no 0/5	tan, dry,		
	3	_	-	an an ann an an an an an ann an an an an	an a	in best-month (sp. n. m. m. m. m. m. best (s. s. s				
	4				a supervise of standard traces of the supervised states of			ana a shekara a na ana a sa ma	-	
	5	-	6-53			al aller a salat a sa a sa a sa a a a a a a a a a				
	6	_				19 - 19 - 19 - 19 - 19 - 19 - 19 - 19 -				
1530	7	5-10	6-5-3	50%	0.0	รฟ	Well graded sand, SAA			
	8	_				-	an managan akan akan kapa sa kan sa kan sa kan sa kan sa kan sa sa kan sa sa kan sa			
	9	_			and the second second second	a) and a second s				
	10	_				all all and some of the state of the	al a marganet con a carrowar en caracteria en anter a caracteria en al secondar en anter a caracteria en anter C			
	11				i fan hanner om de offenset		SAA, with some sitt now			
1535	12	- 10-15	5-8-7	75%	0.0	5W-SM				
	13			terrature glasses the static tag from second				ter en el terre de la companya de la		
	14	_			a Safety (d.). Let (strandstein sectors of) second	i y y system, dennes fel brand fri som som				
	15	-			a an	a da suman companya a cana a bajon e esta				
	16	_					annen hennen hen stensten (* 1. m. men en som stenste i 1. m. men en som			
(541	17	15-20	5-15-21	75%	0.0	SW-SM	Tan dry sand w/ some silt		an anno 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999	
	18). Anno 1999 ann an Anna a' Anna ann an Anna Anna An	a na ana ana ana ana ana ana ana ana an			Grey dry silt w/ v.f med same	A ,		
	19	-				ML	non plst/coh, no o/s, stiff Silt w/ sand			
	20	-		a balance - The second for all the global free	a na mana angka pinan da sanan an manana ang					
	21	_	a para da pada ya funo di Pana Antonia ya 199	n an						
1548	22	20-25	50 - 6"	50%	2.0	ML	SAN			
	23	-								
	24	-								
	25	-								

Q		pled: 03/ : Enviro Rodney	S O 19/2025 5 - Dr:11 B.			Project L Project M Ground S	ame: Hare #14M ocation: Ianager: S. Hyde urface Elevation: Ising Elevation: ordinate:	LOG NUMBER 2 A neter: 8" ter: s: s: bletion: d:	
	DEPTH (FEET) SAMPLE INTERVAL		BLOW COUNT	RECOVERY (%)	FID/PID READING (PPM)	USCS SYMBOL	GEOLOGIC DESCRIPTIO		BORING/WELL COMPLETION
	25			A. Antonio and A. Mariana and A.	and the second				
	26	-							
1555	27 -	25-30	50-4"	50%	1.6	ML	Silt, dry, grey		
6201	28	-	-		-				
		-							
	29 _								
Stop for 3/18	30				a an				
Bogin again 3/19	31	-				and (in) consume the intervention of the state of the			
00110	32	30-35	50-6"	75%	1335	ML	Silt: Grey, dry, non plst/coh, brittle,	6.6	
0840	33	-					faint ador, no shain, silt, few sands and few clays	vit-tine	
		-			a pagar sanag nadioadari. Narita ar				
Drill backs	34 -				a an	•			19. Alexandre de l'anna de la constante en ensemente este en este este este este este es
Drill broke, stop before 3/19 Start again 3/20	35						(c) (f		
J	36						(Sluff was moist silt) Silt:		
1300	37	35-40	50-5"	70°10	427.2	ML	Grey, dry, non plst/coh, brittle foint ador, no stain, silt w/ f		
	38 -					ļ	tournt oder, no stain, silt w/ t	εω ειαγς	a deservation - State of the st
	- 39 -								
	_						1		
	40 -					ur fragmann fragmann an airtean an tart	-		
	41 -				ang dia an barrera an ar barrera.			4	
	42 _								
	43								
	44 -			4			G. C.		
	45 -								
	_								
	46 – -		100						
	47 -								
	48 _								
	49 _				(mark) (mark) (mark)				
	50 -								

Keceivea by						Client:	Hilcorp	BORING I	OG NUMBER	
		EN	SO	LU	Μ		me: Hare #14M			
						Project Loo		BHO5,	Α	
							nager: Stuart Hyde	Project No .:		
			20/2025				rface Elevation:	Borehole Diam		
	Drilled By	Enviro-	Drill				ing Elevation:	Casing Diamet Well Materials		
	Driller: Logged B	Rodney 1 V: O Ecco	Jegay			North Coor West Coor		Surface Completion:		
		O. Frae	lich.			West Cool	dinate.	Boring Method		
		E I	Ę	X		G				
	DEPTH (FEET)	SAMPLE INTERVAL	BLOW COUNT	RECOVERY (%)	FID/PID READING (PPM)	USCS SYMBOL	GEOLOGIC DESCRIPTIO	N	BORING/WELL COMPLETION	
	0									
	1	-								
1546	2	0-5	4-5-6	50%	14.4	5W-5M	hell and and what			
1246	3	-	,	5076	1.1	511 511	Well graded sand w/ silt -ten/redish, dry, no o/s, v.fmed with some silt	sand		
	4	-								
	5	-		1,						
	6	-								
	7	5'-10'	3-4-5	100%	11.4	5W-5M	Well graded sand w/ silt ten, dry, no o/s, fine - med send w			
1551	8	-					-tan, dry, no ols, fine - med sand w coarse sand and little / tess silt	teω		
	9	-		7						
	10	-								
	11	-			a standing and a standard stan	a ya kulan ang kanalakana ang ang dikanang		ويترك والمراجع		
	12	10'-15'	6-8-7	75%	3.2	SW-SM	SAA,			
1558	13	-					less s:14			
	14	-			al sugar Laws and the sub-					
	15								·	
	16	-	-							
1604	17	15'-20'	11-8-6	100°/0	3.1	5W-SM	SAA			
<i>8</i> .	18	ana ana ana amin'ny faritr'o dia mandritry dia mana amin'ny faritr'o dia mana amin'ny far	<u></u>							
	19									
	20		1							
	21		19						-	
1612	22	20'-25'	24550-3	50%	4.3	ML	Grey, dry, no ofs, non plst/coh, silt	with		
	23						some v.fmed sand and trace, brittle	clays,		
	24	-								
	25			_						

erreu oy	▣		SO		М	Project Lo	Hilcorp me: Hare #14M cation: inager: S. Hyde	BORING LO BH05A Project No.:	G NUMBER
	Date Samp Drilled By Driller: 1 Logged By	: Enviro- Rodney E	Drill			Ground Su	rface Elevation: ing Elevation: rdinate:	Borehole Diameter: නි" Casing Diameter: Well Materials: Surface Completion: Boring Method:	
	DEPTH (FEET)	SAMPLE INTERVAL	BLOW COUNT	RECOVERY (%)	FID/PID READING (PPM)	USCS SYMBOL	GEOLOGIC DESCRIPTIO	N	BORING/WELL COMPLETION
	25								
1623	26 27 28	25 ¹ -30'	50-5	50%.	115.2	ML	Sill -grey, dry, faint odor, no stein, Sill w/ few vff sand and tro non plst/coh, brittle	ce class,	
	29	-					F 7		
	30 31	-							
1636	32 33	- 30'-35'	50-6"	40%	1180	ML	SAA Faint odor, grey, dry silt		
	34	-				n - Sana patronanta da Sana Marana Marana			
	35	-							
	36	-							
1650	37	35:40'	50-5*	40%	35.9	ML	Silt w/ sard -grey, dry, very faint / less odor, non plst/coh, silt w some fire-	no stain, Med sand	
		-				ar - e e e agrice no cantonnal	and trace days, br: Hle		
	³⁹ -	-							
	40 41	-							
	42	-							
	43	-							
	44	-							
	45	-							
	46						-		
	47		an a secondari a secondari de a secondari de deserve				3		
	48	-							
	49	-			all second is a strong state to a				
	50								

	Date Sam Drilled By Driller: f	Pled: 03 Y: Enviro Rodney 1	Begay	LU	M	Project L Project M Ground S Top of Ca North Co	ame: Hare #14M ocation: Ianager: Stoart Hyde furface Elevation: using Elevation: ordinate:	BHO6A Project No.: Borehole Dian Casing Diamet Well Materials	neter: 8" ter: s:	
	Logged B			×	. 0	West Coo	rdinate:	Surface Comp Boring Metho	a management of the second s	
	DEPTH (FEET)	SAMPLE INTERVAL	BLOW COUNT	RECOVERY (%)	FID/PID READING (PPM)	USCS SYMBOL	GEOLOGIC DESCRIP	FION	BORING/WELL COMPLETION	
	0									
L		0'-5'	5-4-5	60%	25.2	SW	Well Graded Sand -tan, dry, no o/s, well graded fi coarse sand and some very fir	ne-med:wn, few e		
	4	-			_	-				
	5	-		3						
	6	-			1				and the second sec	
	7 -	- 5'-10'	3-6-7	50%	7.6	5₩	Well Graded Sand -tan, dry, no o/s, well grouded w/ trace Fines	V.f. course sand		
	9	-								
	10	-								
	11	-			-	Terrent Market and Static Local and Statistica				
	12	10'-15'	2-4-4	75%	6.9	5M	Silty Sand -fan, dry, accept , no ols, well v.fmed.um sand w/ some	graded		
	¹³ _ 14 -	-					non pist/con			
	14 - 15 -	-								
	16									
3	17	15'-20'	6-10-11	60%	3.0	ML	Sandy silt	alst / sal		
	18					P	-tan t grey, dry, no ols, non silt w/ well greded v.f med	ium sand		
	19			langer i kaj parte finance di seran		per second an art of the second				
	20									
	21									
	22	20'-25'	50-6"	25%	13.2	ML	5:17 / Silt w Sand -grey, dry, no ols, non pfst/d	ich, brittle,		
	23					1	-grey, dry, no o/s, non past/a s:14 w/ Tew v.ffine sand			
	24									

circu) 25 8:48: S O		м	Client: Project Na	nme: Hare #14M	BORING I	OG NUMBER		
						Project Lo		BH06A			
							anager: 5. Hyde	Project No.:			
		pled: 03/2					Irface Elevation:		Borehole Diameter: 8"		
		y: Enviro- Rodney B.				North Coo	sing Elevation: ardinate:	Casing Diamet Well Materials			
	Logged B					West Coor		Surface Compl			
									Boring Method:		
	DEPTH (FEET)	SAMPLE INTERVAL	BLOW COUNT	RECOVERY (%)	FID/PID READING (PPM)	USCS SYMBOL	GEOLOGIC DESCRIPTI	ON	BORING/WELL COMPLETION		
	25						a state the and harmonic and the size of the second				
-	26	-									
48	27	- 25'-30'	50-5"	30%	5.2	ML	Silt with Sand				
	28	-					-Grey/redish grey, dry, no ols, brittle, silt w/ some v.f. fine Few/trace clays, more firm	non plst/coh,			
	l .	_					few/trace clays, more firm	JOHN CHA			
	29	_				-					
	30										
	31	-									
58	32	- 30'-35'	16,50-3"	40%	- 83.6-	ML	Silt w/ Sand				
	33	-		and francis Contact Stationers	663.6		SAA. w) faint ador				
	34	-									
	35	-									
	36	-									
8	37	- 35'-40'	50-4"	30%	338.6	ML	5:1t w/ Sand				
	38	-					SAN, grey, dry, faint oddr, silt w/ vffine sand				
	39	-									
	40	-									
	41	-									
		-	I management and a second second second								
	42					1					
	43	-					 A support of the second se				
	44										
	45	_									
	46	-							-		
	47	_									
	48	-									
	49	-			a						
	50	-	/2025 9:.								



APPENDIX C

Laboratory Analytical Reports



5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Hilcorp Energy Co

Project Name: Hare 14M

Work Order: E503166

Job Number: 17051-0002

Received: 3/19/2025

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 3/26/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Date Reported: 3/26/25

Mitch Killough PO Box 61529 Houston, TX 77208

Project Name: Hare 14M Workorder: E503166 Date Received: 3/19/2025 12:01:00PM

Mitch Killough,



Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/19/2025 12:01:00PM, under the Project Name: Hare 14M.

The analytical test results summarized in this report with the Project Name: Hare 14M apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman Laboratory Director Office: 505-632-1881 Cell: 775-287-1762 whinchman@envirotech-inc.com

Field Offices: Southern New Mexico Area Lynn Jarboe Laboratory Technical Representative Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com

Michelle Gonzales Client Representative Office: 505-421-LABS(5227) Cell: 505-947-8222 mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

•

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
BH01A @ 0'-5'	5
BH01A @ 30'-35'	6
BH01A @ 50'-55'	7
BH02A @ 30'-35'	8
QC Summary Data	9
QC - Volatile Organic Compounds by EPA 8260B	9
QC - Nonhalogenated Organics by EPA 8015D - GRO	10
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	11
Definitions and Notes	12
Chain of Custody etc.	13

Sample Summary

		Sampic Sum	mai y		
Hilcorp Energy Co		Project Name:	Hare 14M		Reported:
PO Box 61529	Project Number:	17051-0002		Reporteu.	
Houston TX, 77208		Project Manager:	Mitch Killough		03/26/25 09:03
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01A @ 0'-5'	E503166-01A	Soil	03/18/25	03/19/25	Glass Jar, 4 oz.
BH01A @ 30'-35'	E503166-02A	Soil	03/18/25	03/19/25	Glass Jar, 4 oz.
BH01A @ 50'-55'	E503166-03A	Soil	03/18/25	03/19/25	Glass Jar, 4 oz.
BH02A @ 30'-35'	E503166-04A	Soil	03/18/25	03/19/25	Glass Jar, 4 oz.



.

	S	Sample D	ata			
Hilcorp Energy Co	Project Nam	e: Har	e 14M			
PO Box 61529	Project Num	ber: 170	51-0002			Reported:
Houston TX, 77208	Project Man	ager: Mite	ch Killough			3/26/2025 9:03:39AM
	I	BH01A @ 0'-5	;'			
		E503166-01				
		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: IY		Batch: 2512105
Benzene	ND	0.0250	1	03/19/25	03/21/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/21/25	
Foluene	0.0250	0.0250	1	03/19/25	03/21/25	
p-Xylene	ND	0.0250	1	03/19/25	03/21/25	
o,m-Xylene	0.0740	0.0500	1	03/19/25	03/21/25	
Fotal Xylenes	0.0740	0.0250	1	03/19/25	03/21/25	
Surrogate: Bromofluorobenzene		105 %	70-130	03/19/25	03/21/25	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130	03/19/25	03/21/25	
Surrogate: Toluene-d8		105 %	70-130	03/19/25	03/21/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	I	Analyst: IY		Batch: 2512105
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/21/25	
Surrogate: Bromofluorobenzene		105 %	70-130	03/19/25	03/21/25	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130	03/19/25	03/21/25	
Surrogate: Toluene-d8		105 %	70-130	03/19/25	03/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	I	Analyst: KH		Batch: 2512167
Diesel Range Organics (C10-C28)	ND	25.0	1	03/21/25	03/21/25	
Dil Range Organics (C28-C36)	ND	50.0	1	03/21/25	03/21/25	
Surrogate: n-Nonane		95.7 %	61-141	03/21/25	03/21/25	



.
	29	imple D	ลเล				
Hilcorp Energy Co	Project Name:	Hare	e 14M				
PO Box 61529	Project Numbe	r: 1705	51-0002				Reported:
Houston TX, 77208	Project Manage	er: Mite	ch Killough	1			3/26/2025 9:03:39AN
	BH	01A @ 30'-3	5'				
]	E503166-02					
		Reporting					
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: l	Y		Batch: 2512105
Benzene	ND	0.0250		1	03/19/25	03/21/25	
Ethylbenzene	ND	0.0250		1	03/19/25	03/21/25	
Toluene	ND	0.0250		1	03/19/25	03/21/25	
p-Xylene	ND	0.0250		1	03/19/25	03/21/25	
p,m-Xylene	ND	0.0500		1	03/19/25	03/21/25	
Total Xylenes	ND	0.0250		1	03/19/25	03/21/25	
Surrogate: Bromofluorobenzene		105 %	70-130		03/19/25	03/21/25	
Surrogate: 1,2-Dichloroethane-d4		113 %	70-130		03/19/25	03/21/25	
Surrogate: Toluene-d8		101 %	70-130		03/19/25	03/21/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: l	Y		Batch: 2512105
Gasoline Range Organics (C6-C10)	ND	20.0		1	03/19/25	03/21/25	
Surrogate: Bromofluorobenzene		105 %	70-130		03/19/25	03/21/25	
Surrogate: 1,2-Dichloroethane-d4		113 %	70-130		03/19/25	03/21/25	
Surrogate: Toluene-d8		101 %	70-130		03/19/25	03/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: l	КH		Batch: 2512167
Diesel Range Organics (C10-C28)	ND	25.0		1	03/21/25	03/21/25	
Oil Range Organics (C28-C36)	ND	50.0		1	03/21/25	03/21/25	
Surrogate: n-Nonane		93.0 %	61-141		03/21/25	03/21/25	



	5	ample D	ลเล			
Hilcorp Energy Co	Project Name:		e 14M			
PO Box 61529	Project Number	er: 170	51-0002			Reported:
Houston TX, 77208	Project Manag	ger: Mite	ch Killough			3/26/2025 9:03:39AN
	BH	01A@ 50'-5	55'			
		E503166-03				
		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: IY		Batch: 2512105
Benzene	ND	0.0250	1	03/19/25	03/22/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/22/25	
Toluene	ND	0.0250	1	03/19/25	03/22/25	
p-Xylene	ND	0.0250	1	03/19/25	03/22/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/22/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/22/25	
Surrogate: Bromofluorobenzene		103 %	70-130	03/19/25	03/22/25	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130	03/19/25	03/22/25	
Surrogate: Toluene-d8		105 %	70-130	03/19/25	03/22/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	I	Analyst: IY		Batch: 2512105
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/22/25	
Surrogate: Bromofluorobenzene		103 %	70-130	03/19/25	03/22/25	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130	03/19/25	03/22/25	
Surrogate: Toluene-d8		105 %	70-130	03/19/25	03/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	I	Analyst: KH		Batch: 2512167
Diesel Range Organics (C10-C28)	ND	25.0	1	03/21/25	03/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/21/25	03/21/25	
Surrogate: n-Nonane		93.6 %	61-141	03/21/25	03/21/25	

	50	ample D	ala				
Hilcorp Energy Co PO Box 61529	Project Name: Project Numbe		e 14M 51-0002				Reported:
Houston TX, 77208	Project Manag		ch Killoug	h			3/26/2025 9:03:39AN
	BH	02A @ 30'-3	5'				
		E503166-04					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2512105
Benzene	ND	0.0250		1	03/19/25	03/22/25	
Ethylbenzene	0.134	0.0250		1	03/19/25	03/22/25	
Toluene	0.443	0.0250		1	03/19/25	03/22/25	
o-Xylene	0.475	0.0250		1	03/19/25	03/22/25	
p,m-Xylene	1.97	0.0500		1	03/19/25	03/22/25	
Total Xylenes	2.45	0.0250		1	03/19/25	03/22/25	
Surrogate: Bromofluorobenzene		104 %	70-130		03/19/25	03/22/25	
Surrogate: 1,2-Dichloroethane-d4		95.2 %	70-130		03/19/25	03/22/25	
Surrogate: Toluene-d8		110 %	70-130		03/19/25	03/22/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	IY		Batch: 2512105
Gasoline Range Organics (C6-C10)	69.9	20.0		1	03/19/25	03/22/25	
Surrogate: Bromofluorobenzene		104 %	70-130		03/19/25	03/22/25	
Surrogate: 1,2-Dichloroethane-d4		95.2 %	70-130		03/19/25	03/22/25	
Surrogate: Toluene-d8		110 %	70-130		03/19/25	03/22/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: KH		Batch: 2512167
Diesel Range Organics (C10-C28)	ND	25.0		1	03/21/25	03/21/25	
Oil Range Organics (C28-C36)	ND	50.0		1	03/21/25	03/21/25	
Surrogate: n-Nonane		102 %	61-141		03/21/25	03/21/25	



QC Summary Data

		<u><u><u>v</u></u> v v</u>		ry Data					
Hilcorp Energy Co PO Box 61529		Project Name: Project Number:		are 14M 051-0002					Reported:
Houston TX, 77208		Project Manager:		itch Killough				3/	26/2025 9:03:39AM
		Volatile Organic	Compo	unds by EPA	A 8260I	B			Analyst: IY
Analyte		Reporting	Spike	Source		Rec		RPD	
	Result mg/kg	Limit mg/kg	Level mg/kg	Result mg/kg	Rec %	Limits %	RPD %	Limit %	Notes
							D 10		1 1 00/01/05
Blank (2512105-BLK1)	ND						Prepared: 0	3/19/25 Ana	lyzed: 03/21/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.512		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.6	70-130			
Surrogate: Toluene-d8	0.529		0.500		106	70-130			
LCS (2512105-BS1)							Prepared: 0	3/19/25 Ana	lyzed: 03/21/25
Benzene	2.54	0.0250	2.50		102	70-130			
Ethylbenzene	2.61	0.0250	2.50		104	70-130			
Toluene	2.69	0.0250	2.50		108	70-130			
o-Xylene	2.80	0.0250	2.50		112	70-130			
p,m-Xylene	5.51	0.0500	5.00		110	70-130			
Total Xylenes	8.31	0.0250	7.50		111	70-130			
Surrogate: Bromofluorobenzene	0.517		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.479		0.500		95.7	70-130			
Surrogate: Toluene-d8	0.523		0.500		105	70-130			
Matrix Spike (2512105-MS1)				Source: E	503165-0	03	Prepared: 0	3/19/25 Ana	lyzed: 03/21/25
Benzene	2.55	0.0250	2.50	ND	102	48-131	-		
Ethylbenzene	2.63	0.0250	2.50	ND	102	45-135			
Toluene	2.65	0.0250	2.50	ND	105	48-130			
o-Xylene	2.86	0.0250	2.50	ND	114	43-135			
p,m-Xylene	5.65	0.0500	5.00	ND	113	43-135			
Total Xylenes	8.51	0.0250	7.50	ND	113	43-135			
Surrogate: Bromofluorobenzene	0.528		0.500		106	70-130			
	0.520		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8	0.509		0.500		102	70-130			
Matrix Spike Dup (2512105-MSD1)				Source: E	503165-0	03	Prepared 0	3/19/25 Ana	lyzed: 03/21/25
Benzene	2.49	0.0250	2.50	ND	99.7	48-131	2.20	23	
Ethylbenzene	2.56	0.0250	2.50	ND	102	45-135	2.60	27	
Toluene	2.60	0.0250	2.50	ND	104	48-130	1.93	24	
p-Xylene	2.82	0.0250	2.50	ND	113	43-135	1.43	27	
p,m-Xylene	5.55	0.0500	5.00	ND	111	43-135	1.77	27	
Total Xylenes	8.37	0.0250	7.50	ND	112	43-135	1.65	27	
Surrogate: Bromofluorobenzene	0.531		0.500		106	70-130			
			0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8	0.505 0.524		0.500		101	/0-150			
					105	70-130			



QC Summary Data

		QC SI		ing Dava	•				
Hilcorp Energy Co PO Box 61529 Houston TX, 77208		Project Name: Project Number: Project Manager:	17	are 14M 051-0002 itch Killough					Reported: 3/26/2025 9:03:39AM
	No	onhalogenated O	rganics	by EPA 801	5D - GI	RO			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2512105-BLK1)							Prepared: 0	3/19/25	Analyzed: 03/21/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.512		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.6	70-130			
Surrogate: Toluene-d8	0.529		0.500		106	70-130			
LCS (2512105-BS2)							Prepared: 0	3/19/25	Analyzed: 03/21/25
Gasoline Range Organics (C6-C10)	50.4	20.0	50.0		101	70-130			
Surrogate: Bromofluorobenzene	0.532		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.477		0.500		95.3	70-130			
Surrogate: Toluene-d8	0.540		0.500		108	70-130			
Matrix Spike (2512105-MS2)				Source: H	2503165-0)3	Prepared: 0	3/19/25	Analyzed: 03/21/25
Gasoline Range Organics (C6-C10)	53.6	20.0	50.0	ND	107	70-130			
Surrogate: Bromofluorobenzene	0.532		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.479		0.500		95.8	70-130			
Surrogate: Toluene-d8	0.532		0.500		106	70-130			
Matrix Spike Dup (2512105-MSD2)				Source: H	2503165-0)3	Prepared: 0	3/19/25	Analyzed: 03/21/25
Gasoline Range Organics (C6-C10)	52.1	20.0	50.0	ND	104	70-130	2.93	20	
Surrogate: Bromofluorobenzene	0.542		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.471		0.500		94.2	70-130			



QC Summary Data

		QC S	uIIIII	ary Data	ι				
Hilcorp Energy Co PO Box 61529 Houston TX, 77208		Project Name: Project Number: Project Manager:	1	lare 14M 7051-0002 1itch Killough					Reported: 3/26/2025 9:03:39AM
	Nonh	alogenated Org	anics by	EPA 8015D	- DRO	/ORO			Analyst: KH
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	N .
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2512167-BLK1)							Prepared: 0)3/21/25 A	Analyzed: 03/21/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	45.5		50.0		91.1	61-141			
LCS (2512167-BS1)							Prepared: 0	03/21/25 A	Analyzed: 03/21/25
Diesel Range Organics (C10-C28)	231	25.0	250		92.5	66-144			
Surrogate: n-Nonane	46.6		50.0		93.1	61-141			
Matrix Spike (2512167-MS1)				Source: 1	E503166-	04	Prepared: 0	03/21/25 A	Analyzed: 03/21/25
Diesel Range Organics (C10-C28)	265	25.0	250	ND	106	56-156			
Surrogate: n-Nonane	51.5		50.0		103	61-141			
Matrix Spike Dup (2512167-MSD1)				Source: 1	E503166-	04	Prepared: 0	03/21/25 A	Analyzed: 03/21/25
Diesel Range Organics (C10-C28)	256	25.0	250	ND	102	56-156	3.29	20	
Surrogate: n-Nonane	49.9		50.0		99.7	61-141			

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

_			
ſ	Hilcorp Energy Co	Project Name: Hare 14M	
I	PO Box 61529	Project Number: 17051-0002	Reported:
l	Houston TX, 77208	Project Manager: Mitch Killough	03/26/25 09:03

ND	Analyte NOT DETECTED at or above the reporting limit	
----	--	--

- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.
- Note (1): Methods marked with ** are non-accredited methods.
- Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Chain of Custody

	Clie	nt Inform	nation			Invoice Information					La	ab Us	se Or	ıly				TA	T		State	
lient:	likorp					Company: Hilcorp				VO#			dol	Num	ber		1D	2D	3D Std	1 1	NM CO UT	тх
Project N	ame: Hare	IHM				Address:				Lab WO# Job Num E503166 17051						1.0002						
Project N	lanager: Mi	itch Kil	ough			ity, State, Zip:																
Address:					P	hone:			Г				Ana	alysi	s and	Met	hod				EPA Program	n
City, Sta					Er	nail: mk:llough@hilcorp.coi	n								T	Γ				SDV	VA CWA	RCRA
hone:						scellaneous:				ا ۵	Δ		1									
<u>mail:</u>	nkillough@	hilcorp.c	om							ង		8										or N
										8	y 80		9	8	Σ	Ĕ	tals	2		PWS	ID #	
				Sampl	e Informat	ion				<u>ē</u>	Rot	γ 80	128	8	Z.	Ś	Me	₹.				
Time Sampled	Date Sampled	Matrix	No. of Containers			Sample ID	Field Filter	Lat Numi) ber	DRO/ORO by 8015 D	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Cation/Anion Pkg			Remarks	
1200	3/18/25	50:1	1	BHOIA	@0'-5'			1		X	Х	Х										
1258	3/18/25	\langle		BHOIAC	@ 30'- 3 5	1		2		X	Х	X										
1420	3/18/25	\mathcal{I}		BHOIA	@ 50'- 5!	5'		3		Λ	X	X										
0840	3/19/25	T	Σ	BHORAG	230'-35			Ч		X	X	Х										
						· · · · · · · · · · · · · · · · · · ·																
													-								······	
	al Instruction) anenlum	n.com ;	shyde @	ensolum.	com		1						<u> </u>	L	L		· · ·				
ield sam npled by	iler), attest to the	validity and Freelic	authenticity h	of this sample. I	am aware tha	tampering with or intentionally mislabeling	the samp	le locatio	on, dat	e or ti	me of	fcollect	tion is	consid	iered fi	aud ar	d may	be grou	unds for lega	al action.		
elinquist	d by: (Signatur	e)	Date 3/	19/25	^{me} 1200	Received by: 19 ponture)	- Bate	19.2	5	^{ïme} 12.	:0/	/									eived on ice the day the love 0 but less than 6 °C	
elinquish	ed by: (Signatur	re)	Date	Ti	me	Received by: (Signature)	Date		T	îme					Rec	eived	on i	ce:			ly	
elinquist	ed by: (Signatur	re)	Date	Ti	me	Received by: (Signature)	Date		T	îme					<u>T1</u>				<u> </u>		<u></u> <u>T3</u>	
	ed by: (Signatur	re)	Date	Ti	me	Received by: (Signature)	Date			ime					AVO	6 Ten	np °C	4				
lelinquist		olid, Sg - Slud						tainer	_		_				c, ag -	amp	er gia	55, V -				
· Imple Ma	rix: S - Soil, Sd - So											and dies	nnend	of at	the cl	iont o	mane				lysis of the above	

Page _____ of _____

.

Released to Imaging: 6/26/2025 9:20:10 AM

Envirotech Analytical Laboratory

we receiv	e no response concerning these items within 24 hours of the c	late of this not	ice, an the	sumples with		ilyzeu us requeste		
Client:	Hilcorp Energy Co Da	te Received:	03/19/25	12:01			Work Order ID:	E503166
Phone:	- Da	te Logged In:	03/19/25	12:09			Logged In By:	Caitlin Mars
Email:	mkillough@hilcorp.com Du	ie Date:	03/26/25	17:00 (5 day	TAT)			
<u>Chain o</u>	<u>f Custody (COC)</u>							
1. Does	the sample ID match the COC?		Yes					
2. Does	the number of samples per sampling site location match	the COC	Yes					
3. Were	samples dropped off by client or carrier?		Yes	Car	rier: C	Sgood Froelich		
4. Was tl	he COC complete, i.e., signatures, dates/times, requested	analyses?	Yes		_			
5. Were	all samples received within holding time?		Yes					
	Note: Analysis, such as pH which should be conducted in the	e field,					Commen	ts/Resolution
Samnle	i.e, 15 minute hold time, are not included in this disucssion. Turn Around Time (TAT)				I			
	the COC indicate standard TAT, or Expedited TAT?		Yes					
Sample	• •		100					
	sample cooler received?		Yes					
	, was cooler received in good condition?		Yes					
•	he sample(s) received intact, i.e., not broken?		Yes					
	e custody/security seals present?		No					
	s, were custody/security seals intact?		NA					
-	the sample received on ice? If yes, the recorded temp is 4°C, i.e.,	6°+2°C	Yes					
	Note: Thermal preservation is not required, if samples are rec minutes of sampling	ceived w/i 15						
13. If no	visible ice, record the temperature. Actual sample ten	nperature: <u>4</u> °	<u>C</u>					
	<u>Container</u>							
	aqueous VOC samples present?		No					
	VOC samples collected in VOA Vials?		NA					
	e head space less than 6-8 mm (pea sized or less)?		NA					
	a trip blank (TB) included for VOC analyses?		NA					
	non-VOC samples collected in the correct containers?	11 4 - 49	Yes					
	e appropriate volume/weight or number of sample containers	confected?	Yes					
Field La	IDEL e field sample labels filled out with the minimum information	ation						
	Sample ID?	ation.	Yes					
	Date/Time Collected?		Yes		l			
(Collectors name?		Yes					
-	Preservation							
	s the COC or field labels indicate the samples were prese	rved?	No					
	sample(s) correctly preserved?		NA					
24. Is lat	b filteration required and/or requested for dissolved meta	ls?	No					
	ase Sample Matrix							
	s the sample have more than one phase, i.e., multiphase?		No					
27. If ye	s, does the COC specify which phase(s) is to be analyzed	1?	NA					
Subcont	tract Laboratory							
28. Are s	samples required to get sent to a subcontract laboratory?		No					
29. Was	a subcontract laboratory specified by the client and if so	who?	NA	Subcontra	ict Lab	: NA		
<u>Client l</u>	Instruction							





5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Hilcorp Energy Co

Project Name: Hare 14M

Work Order: E503187

Job Number: 17051-0002

Received: 3/21/2025

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 3/27/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Date Reported: 3/27/25

Mitch Killough PO Box 61529 Houston, TX 77208

Project Name: Hare 14M Workorder: E503187 Date Received: 3/21/2025 1:00:00PM

Mitch Killough,



Page 47 of 76

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/21/2025 1:00:00PM, under the Project Name: Hare 14M.

The analytical test results summarized in this report with the Project Name: Hare 14M apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman Laboratory Director Office: 505-632-1881 Cell: 775-287-1762 whinchman@envirotech-inc.com

Field Offices: Southern New Mexico Area Lynn Jarboe Laboratory Technical Representative Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com

Michelle Gonzales Client Representative Office: 505-421-LABS(5227) Cell: 505-947-8222 mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

•

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
BH02A @ 35'-40'	5
BH06A @ 30'-35'	6
BH06A @ 35'-40'	7
BH05A @ 30'-35'	8
BH05A @ 35'-40'	9
QC Summary Data	10
QC - Volatile Organics by EPA 8021B	10
QC - Nonhalogenated Organics by EPA 8015D - GRO	11
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	12
Definitions and Notes	13
Chain of Custody etc.	14

Sample Summary

		Sampic Sum	mai y		
Hilcorp Energy Co		Project Name:	Hare 14M		Reported:
PO Box 61529		Project Number:	17051-0002		Keporteu.
Houston TX, 77208		Project Manager:	Mitch Killough		03/27/25 11:25
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH02A @ 35'-40'	E503187-01A	Soil	03/20/25	03/21/25	Glass Jar, 4 oz.
BH06A @ 30'-35'	E503187-02A	Soil	03/20/25	03/21/25	Glass Jar, 4 oz.
BH06A @ 35'-40'	E503187-03A	Soil	03/20/25	03/21/25	Glass Jar, 4 oz.
BH05A @ 30'-35'	E503187-04A	Soil	03/20/25	03/21/25	Glass Jar, 4 oz.
BH05A @ 35'-40'	E503187-05A	Soil	03/20/25	03/21/25	Glass Jar, 4 oz.



	D.	ampic D	ata				
Hilcorp Energy Co	Project Name:	Har	e 14M				
PO Box 61529	Project Number	er: 170	51-0002				Reported:
Houston TX, 77208	Project Manag	ger: Mite	ch Killough				3/27/2025 11:25:06AM
	BH	02A@35'-4	10'				
		E503187-01					
		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst:	SL		Batch: 2513003
Benzene	ND	0.0250	1		03/24/25	03/24/25	
Ethylbenzene	ND	0.0250	1		03/24/25	03/24/25	
Toluene	ND	0.0250	1		03/24/25	03/24/25	
o-Xylene	0.0400	0.0250	1		03/24/25	03/24/25	
p,m-Xylene	0.116	0.0500	1		03/24/25	03/24/25	
Total Xylenes	0.156	0.0250	1		03/24/25	03/24/25	
Surrogate: 4-Bromochlorobenzene-PID		78.9 %	70-130		03/24/25	03/24/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	SL		Batch: 2513003
Gasoline Range Organics (C6-C10)	ND	20.0	1		03/24/25	03/24/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.1 %	70-130		03/24/25	03/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	КН		Batch: 2513010
Diesel Range Organics (C10-C28)	29.0	25.0	1		03/24/25	03/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1		03/24/25	03/25/25	
Surrogate: n-Nonane		110 %	61-141		03/24/25	03/25/25	



	5	ample D	ala			
Hilcorp Energy Co	Project Name	: Hare	e 14M			
PO Box 61529	Project Numb	ber: 1705	51-0002			Reported:
Houston TX, 77208	Project Mana	ger: Mito	h Killough			3/27/2025 11:25:06AM
	BF	106A @ 30'-3	5'			
		E503187-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2513003
Benzene	ND	0.0250	1	03/24/25	03/24/25	
Ethylbenzene	ND	0.0250	1	03/24/25	03/24/25	
Toluene	0.114	0.0250	1	03/24/25	03/24/25	
p-Xylene	0.0811	0.0250	1	03/24/25	03/24/25	
o,m-Xylene	0.317	0.0500	1	03/24/25	03/24/25	
Total Xylenes	0.398	0.0250	1	03/24/25	03/24/25	
Surrogate: 4-Bromochlorobenzene-PID		80.2 %	70-130	03/24/25	03/24/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2513003
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/24/25	03/24/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.6 %	70-130	03/24/25	03/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KH		Batch: 2513010
Diesel Range Organics (C10-C28)	ND	25.0	1	03/24/25	03/25/25	
Dil Range Organics (C28-C36)	ND	50.0	1	03/24/25	03/25/25	
Surrogate: n-Nonane		99.7 %	61-141	03/24/25	03/25/25	



	6	ample D	ala			
Hilcorp Energy Co	Project Name	: Hare	e 14M			
PO Box 61529	Project Numb	ber: 1705	51-0002			Reported:
Houston TX, 77208	Project Mana	ger: Mito	h Killough			3/27/2025 11:25:06AM
	BH	106A @ 35'-4	0'			
		E503187-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2513003
Benzene	ND	0.0250	1	03/24/25	03/24/25	
Ethylbenzene	ND	0.0250	1	03/24/25	03/24/25	
Toluene	0.0616	0.0250	1	03/24/25	03/24/25	
o-Xylene	0.0890	0.0250	1	03/24/25	03/24/25	
o,m-Xylene	0.291	0.0500	1	03/24/25	03/24/25	
Total Xylenes	0.380	0.0250	1	03/24/25	03/24/25	
Surrogate: 4-Bromochlorobenzene-PID		81.8 %	70-130	03/24/25	03/24/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2513003
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/24/25	03/24/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.8 %	70-130	03/24/25	03/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KH		Batch: 2513010
Diesel Range Organics (C10-C28)	ND	25.0	1	03/24/25	03/25/25	
Dil Range Organics (C28-C36)	ND	50.0	1	03/24/25	03/25/25	
Surrogate: n-Nonane		101 %	61-141	03/24/25	03/25/25	



	5	ample D	ala			
Hilcorp Energy Co	Project Name:		e 14M			D (1
PO Box 61529	Project Number		51-0002			Reported:
Houston TX, 77208	Project Manag	ger: Mito	h Killough			3/27/2025 11:25:06AM
	BH	(05A @ 30'-3	5'			
		E503187-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2513003
Benzene	ND	0.0250	1	03/24/25	03/24/25	
Ethylbenzene	0.0565	0.0250	1	03/24/25	03/24/25	
Toluene	0.175	0.0250	1	03/24/25	03/24/25	
o-Xylene	0.227	0.0250	1	03/24/25	03/24/25	
p,m-Xylene	0.788	0.0500	1	03/24/25	03/24/25	
Total Xylenes	1.02	0.0250	1	03/24/25	03/24/25	
Surrogate: 4-Bromochlorobenzene-PID		80.3 %	70-130	03/24/25	03/24/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2513003
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/24/25	03/24/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.3 %	70-130	03/24/25	03/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KH		Batch: 2513010
Diesel Range Organics (C10-C28)	32.4	25.0	1	03/24/25	03/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/24/25	03/25/25	
Surrogate: n-Nonane		100 %	61-141	03/24/25	03/25/25	



	0	ample D	ala			
Hilcorp Energy Co	Project Name	e: Hare	e 14M			
PO Box 61529	Project Numb	ber: 1705	51-0002			Reported:
Houston TX, 77208	Project Mana	ger: Mito	h Killough			3/27/2025 11:25:06AM
	BF	H05A @ 35'-4	0'			
		E503187-05				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2513003
Benzene	ND	0.0250	1	03/24/25	03/24/25	
Ethylbenzene	ND	0.0250	1	03/24/25	03/24/25	
Toluene	ND	0.0250	1	03/24/25	03/24/25	
o-Xylene	ND	0.0250	1	03/24/25	03/24/25	
p,m-Xylene	ND	0.0500	1	03/24/25	03/24/25	
Total Xylenes	ND	0.0250	1	03/24/25	03/24/25	
Surrogate: 4-Bromochlorobenzene-PID		81.6 %	70-130	03/24/25	03/24/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2513003
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/24/25	03/24/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.4 %	70-130	03/24/25	03/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KH		Batch: 2513010
Diesel Range Organics (C10-C28)	29.2	25.0	1	03/24/25	03/25/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/24/25	03/25/25	
Surrogate: n-Nonane		98.2 %	61-141	03/24/25	03/25/25	



QC Summary Data

		VC D		ii y Data					
Hilcorp Energy Co		Project Name:		are 14M					Reported:
PO Box 61529		Project Number:		051-0002					
Houston TX, 77208		Project Manager:	M	itch Killough				3/	27/2025 11:25:06AM
		Volatile O	rganics b	oy EPA 802	1B				Analyst: SL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2513003-BLK1)							Prepared: 0	3/24/25 Ana	llyzed: 03/24/25
Benzene	ND	0.0250							•
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
p-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	6.40		8.00		80.0	70-130			
LCS (2513003-BS1)							Prepared: 0	3/24/25 Ana	lyzed: 03/24/25
Benzene	5.27	0.0250	5.00		105	70-130			
Ethylbenzene	5.03	0.0250	5.00		101	70-130			
Toluene	5.18	0.0250	5.00		104	70-130			
p-Xylene	4.98	0.0250	5.00		99.7	70-130			
p,m-Xylene	10.2	0.0500	10.0		102	70-130			
Total Xylenes	15.2	0.0250	15.0		101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.40		8.00		80.0	70-130			
Matrix Spike (2513003-MS1)				Source: l	E 503186- (05	Prepared: 0	3/24/25 Ana	alyzed: 03/24/25
Benzene	5.15	0.0250	5.00	ND	103	70-130			
Ethylbenzene	4.92	0.0250	5.00	ND	98.4	70-130			
Toluene	5.06	0.0250	5.00	ND	101	70-130			
p-Xylene	4.85	0.0250	5.00	ND	97.1	70-130			
o,m-Xylene	9.97	0.0500	10.0	ND	99.7	70-130			
Total Xylenes	14.8	0.0250	15.0	ND	98.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.23		8.00		77.9	70-130			
Matrix Spike Dup (2513003-MSD1)				Source: l	E 503186- (05	Prepared: 0	3/24/25 Ana	alyzed: 03/24/25
Benzene	4.85	0.0250	5.00	ND	97.0	70-130	6.06	27	
Ethylbenzene	4.63	0.0250	5.00	ND	92.5	70-130	6.18	26	
Toluene	4.76	0.0250	5.00	ND	95.1	70-130	6.13	20	
o-Xylene	4.61	0.0250	5.00	ND	92.1	70-130	5.22	25	
p,m-Xylene	9.40	0.0500	10.0	ND	94.0	70-130	5.81	23	
			15.0	ND	93.4	70-130	5.62	26	



QC Summary Data

		QC S	uIIIIIi	ary Data	l				
Hilcorp Energy Co PO Box 61529 Houston TX, 77208		Project Name: Project Number: Project Manager:	1	Hare 14M 7051-0002 Aitch Killough					Reported: 3/27/2025 11:25:06AM
	No	nhalogenated O		8	5D - Gl	RO			Analyst: SL
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
					70	70	70	70	notes
Blank (2513003-BLK1)							Prepared: 0	3/24/25 A	analyzed: 03/24/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.60		8.00		95.0	70-130			
LCS (2513003-BS2)							Prepared: 0	3/24/25 A	analyzed: 03/24/25
Gasoline Range Organics (C6-C10)	41.8	20.0	50.0		83.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.76		8.00		97.0	70-130			
Matrix Spike (2513003-MS2)				Source: I	E503186-	05	Prepared: 0	3/24/25 A	analyzed: 03/24/25
Gasoline Range Organics (C6-C10)	35.8	20.0	50.0	ND	71.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.71		8.00		96.4	70-130			
Matrix Spike Dup (2513003-MSD2)				Source: I	2503186-	05	Prepared: 0	3/24/25 A	analyzed: 03/25/25
Gasoline Range Organics (C6-C10)	43.2	20.0	50.0	ND	86.4	70-130	18.8	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.64		8.00		95.6	70-130			



QC Summary Data

		QC S	umma	iry Data	1				
Hilcorp Energy Co PO Box 61529 Houston TX, 77208		Project Name: Project Number: Project Manager:	17	are 14M 7051-0002 litch Killough					Reported: 3/27/2025 11:25:06AM
	Nonha	alogenated Org	anics by	EPA 8015E	- DRO	/ORO			Analyst: KH
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2513010-BLK1)							Prepared: 0	3/24/25 A	Analyzed: 03/25/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	45.9		50.0		91.9	61-141			
LCS (2513010-BS1)							Prepared: 0	3/24/25 A	Analyzed: 03/25/25
Diesel Range Organics (C10-C28)	223	25.0	250		89.3	66-144			
Surrogate: n-Nonane	45.2		50.0		90.4	61-141			
Matrix Spike (2513010-MS1)				Source:	E503186-	02	Prepared: 0	3/24/25 A	Analyzed: 03/25/25
Diesel Range Organics (C10-C28)	246	25.0	250	ND	98.5	56-156			
Surrogate: n-Nonane	48.3		50.0		96.5	61-141			
Matrix Spike Dup (2513010-MSD1)				Source:	E503186-	02	Prepared: 0	3/24/25 A	Analyzed: 03/25/25
Diesel Range Organics (C10-C28)	244	25.0	250	ND	97.5	56-156	0.964	20	
Surrogate: n-Nonane	48.7		50.0		97.4	61-141			

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

_		2 • • • • • • • • • • •		
Γ	Hilcorp Energy Co	Project Name:	Hare 14M	
	PO Box 61529	Project Number:	17051-0002	Reported:
	Houston TX, 77208	Project Manager:	Mitch Killough	03/27/25 11:25

t

- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Chain of Custody

Page _____ of

		nt Inform	nation			Invoice Information	l.			L	ab U	se Or	nly	- With			T/	AT	State
lient: b	lilcorp					Company: H:lcorp			ab WO	+	-	Job	Num	ber		1D	2D	3D St	d NM CO UT TX
roject N	ame: Hare	: #14M			Address: E 503187 17051-0002					2									
	lanager: M	itch K	illough			City, State, Zip:			and the local							and a second of			A company of the second of
ddress:					<u>F</u>	hone:			6-8			An	alysis	and	Met	hod			EPA Program
City, Stat	e, Zip:					nail: mk:llough@h:lcorp.co	m												SDWA CWA RCRA
hone:					M	iscellaneous:			0	٥			1						
mail:	mkilloug	h@ hild	corp.com	n		1			015	015									Compliance Y or N
	A Charles and		1 1 Maria		1. (h. 1.) (h. 1774) h				by 8	by 8(21B	20	0.0	Σ	¥	tals	n Pkg		PWSID #
				Sam	ple Information	ion		1	RO	SRO	y 80	y 826	de 30	z	- 500	3 Me	Anio		
Time Sampled	Date Sampled	Matrix	No. of Containers			Sample ID	Field	Lab Numb	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021B	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	Cation/Anion Pkg		Remarks
1300	03/20/25	5	one	Вно	2A@3	5'-40'		1	X	X	\mathbb{X}								
458				BHO	6A@ 30	·-35`		2											
1508)	$ \rangle$	BHO	6 A @ 35	·- HO'		3		$ \rangle$	$\left \right\rangle$								
1636		1	17	Вно	5A@30'	-35'		4	17	17	17								
1650	T	Ţ	T	BHO	5A@35'-	40'		5	1	17	-17								
ddition	al Instruction	ns:	c: sh	yde @ en	solum.com	; ofroel:ch @ ensolur	n.com	1						I					
(field sam)	ler), attest to the Osgood	validity and	authenticity	of this sample	e. I am aware tha	t tampering with or intentionally mislabelin	g the samp	le location	n, date or	time c	of colle	ction is	consid	ered fra	aud an	nd may	be gro	unds for le	egal action.
lelinquish	ed by: (Signatur	e)	Date	121/25	Time 13:00	Referred basenan	Date	21.25	Time	\hat{n}				1					must be received on ice the day they are avg temp above 0 but less than 6 °C on
	ed by: (Signatur		Date		Time	Received by: (Signature)	Date	<u>a 00</u>	Time					euheaa	1			Lab U	Use Only
elinquish	ed by: (Signatur	e)	Date	2	Time	Received by: (Signature)	Date		Time					Rece	ived	onic		-	
	ed by: (Signatur	e)	Date	2	Time	Received by: (Signature)	Date		Time	8				AVG	Tom	20 °C	11	12	<u>— T3</u>
telinquish				our O Other	L		Can	talaan T	1001 0	alace	- n - r	20lv/n						1/00	
	ix: S - Soil, Sd - So	olid, Sg - Sluc	ige, A - Aque	ous, U - Other			Con	tainer T	ype.g-	giass), P - I	JUIY/ L	nasuc	, ag - (annu	er gia:	55, V -	VUA	

Received by OCD: 4/16/2025 8:48:28 AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Client:	Hilcorp Energy Co Da	te Received:	03/21/25	13:00	Work Order ID:	E503187
Phone:	- Da	te Logged In:	03/21/25	13:16	Logged In By:	Caitlin Mars
Email:		e Date:	03/28/25	17:00 (5 day TAT)		
Chain o	f Custody (COC)					
1. Does t	the sample ID match the COC?		Yes			
2. Does t	the number of samples per sampling site location match t	he COC	Yes			
3. Were	samples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was th	he COC complete, i.e., signatures, dates/times, requested	analyses?	Yes			
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion.	field,	Yes		Commen	ts/Resolution
Sample '	<u>Turn Around Time (TAT)</u>					
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample	<u>Cooler</u>					
7. Was a	sample cooler received?		Yes			
8. If yes,	, was cooler received in good condition?		Yes			
9. Was th	he sample(s) received intact, i.e., not broken?		Yes			
10. Were	e custody/security seals present?		No			
11. If ye	s, were custody/security seals intact?		NA			
12. Was t	he sample received on ice? If yes, the recorded temp is 4°C, i.e., Note: Thermal preservation is not required, if samples are rec minutes of sampling		Yes			
13. If no	visible ice, record the temperature. Actual sample tem	perature: 4°	С			
	<u>Container</u>	<u> </u>	-			
	aqueous VOC samples present?		No			
	VOC samples collected in VOA Vials?		NA			
	e head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?		NA			
	non-VOC samples collected in the correct containers?		Yes			
	appropriate volume/weight or number of sample containers	collected?	Yes			
Field La	ibel					
20. Were	e field sample labels filled out with the minimum informa	tion:				
	Sample ID?		Yes			
	Date/Time Collected?		Yes	L		
	Collectors name?		Yes			
	Preservation s the COC or field labels indicate the samples were preser	rved?	No			
	sample(s) correctly preserved?		NA			
	b filteration required and/or requested for dissolved metal	ls?	No			
	ase Sample Matrix					
	s the sample have more than one phase, i.e., multiphase?		No			
	s, does the COC specify which phase(s) is to be analyzed	?	NA			
•			11/1			
	tract Laboratory_ samples required to get sent to a subcontract laboratory?		No			
	a subcontract laboratory specified by the client and if so	who?	NO NA	Subcontract Lab: NA		
27. was	Instruction	will()	11/1	Subcontract Lad: NA		

Signature of client authorizing changes to the COC or sample disposition.



envirotech Inc.

-



APPENDIX D

Project Photographs





APPENDIX E

Depth to Water Determination

DAILY DRILLING REPORT

.

Page 64 of 76

NO. JOBS THIS DAY

Client EIJSOLUM Project Have 14M

Clien	t <u>E</u>	150Lum							Dat	. 3	.18-	15 Sta	n: 7:0	0	End: 5	;30
Proje	oject Hare 14M											Job N	lo. <u>2</u>	3 02	5	
Locat			1										City B	lanco		
						-							0111			
	the subscription of the local division of the local division of the local division of the local division of the	Contract	and the second se	°o ∐ Ge	otech	Lat	oor Or	עור 🗋	J Other						17:00	
	CLIENT HOLE NO.	DRILL DEPTH FROM -	DRILL DEPTH TO -	PERCOLAT	TION	BIT	E	IT PE	RING	NO. OF SPLIT	CA	S BN		FORM	ND DEPTH	1
	/	0	5-5-	Tem	21		<u> </u>		MING	Grun			SAND			
D	2	6	30	1.em	PL	-0//							U SILT			
R		1											CLAY			
ïL													CALIC	HE		
				<u> </u>									GRAV	EL		
L				1					-				C COBB			
													MEDI			
													MEDI			
N				1									EXTR	EMELY HA	RD	
G													REFU	BAL		
													GROUNDW YES		LE ENCOU	NTERED
	FOOTAC	SE DRILLED		DRILL RATI	E PER H	IOUR			TOTA	L SAMPL	ES			ATER DEP	тн	
FUNCT	TION	SERVICE PERF	ORMED	QTY.	RATE	CHA	RGE	<u> </u>		RENTAL	S / SUP	PLIES		QTY.	RATE	CHARGE
		ADY / DECONTA						SUP	PORT VE	HICLE /				-1-	per ser en en	
	BEFORE /	AFTER JOB		.5				GEN	ERATOR							
_		/ DEMOBILIZE E	QUIPMENT	1.0				TRA	LER(S)							
212		INCLUDES:						COR	ING MAG	CHINE / S	SAW CU	T				
	SAFETY I			24				BULL	ET TEET	гн						
		ERATIONS		8.0				POR	TLAND C	EMENT						
					- PRE-MIX											
GROUTING, HOURS FEET			-		ASP											
	SITE CLE								DUEEN							
212		ANEOUS LABOR	INCLUDES:	1		-	_	DRU			r .					
		MINATION SER							CASING	VES, SIZ	C;	IN. X	5 FT			
	MOVING	DRUMS							CASING				10 FT.	5		
		AVEL WITHOUT	RIG	1.0						100	SLOT	IN. X				
_	LABORER	and the second se							EEN .C		SLOT		10 FT.			
		TALLATION							LOCKIN					/	1	1
		VELOPMENT						BOT	TOM CA	P				1	11	
	-	ANDONMENT						SAN	D-SACK	S, GRAD	E NO.:					1
	-	& DELAYS (EXP	LAIN)					WEL	L VAULT	SIZE:		IN.				
	CREW OV			t				BEN	TONITE	PELLETS	, PAILS:	1.0				
-		ISC. BREAKS (D	OT REQUIRED)							POWDER	, SACK	S:				
	CREW BR			1					K HAMN		-					
		/ REPORTS						AIR	COMPRI	SSOR, S	SIZE:				ļ	
		SORY TIME														
REM	ARK5:								-		UNIT	STARTING	ENDING	TOTAL	RATE	CHARGE
				and a second second					EQUIPME		UNIT NO.	MILEAGE	MILEAGE	NILES	MATE	CHANGE
-								RIG	PORT VE	HICLE	1131					
		MAN-HOUP	ALLOCATION			но	JRS	304	UNI VE	IULE	1/					+
OPE	RATOR	Rod	B			10.		BIG /	TRUCK		ME, HOI	RS (EXPLA	IN BELOW)			1.
ASS	ISTANT	Jurdan	12			10.	5	1.07				the fact LA				
LAB	ORER							DAM	AGED OR	LOST EQ	JIPMENT	:				
		- SIGNATURE A	PPROVING WOR	RK CONTE	NT -											
0	NTSIGNAT	URE: _ Ella	e ans	-ul												
CLIE			in the second													
P.O.	/ W.O./ JOB	NO.:														
						Contraction of the local division of the loc	and the second second	and the second second			and the second se	and the second	the second s	and the second se		the second s

White - Invoicing; Yellow - Client

	0	EN	SO	LU	М	Project Loc	ne: Hare #14M	BORING L BHO Project No.:	og number A
	Drilled By Driller: E	pled: 03/ /: Rodney Enviro - D ^{y:} EC+0				Ground Su	rface Elevation: ing Elevation: rdinate: Jinate:	Project No.: Borehole Diameter: 8" Casing Diameter: Well Materials: Surface Completion: Boring Method:	
	DEPTH (FEET)	SAMPLE INTERVAL	BLOW COUNT	RECOVERY (%)	FID/PID READING (PPM)	USCS SYMBOL	GEOLOGIC DESCRIPTIO	N	BORING/WELL COMPLETION
	0								
1145		- 0-5	2-2-2	40%	0.1	SW-SM	Well graded sand -tan, dry, fine-coarse sand, no o/s		· · · · · · · · · · · · · · · · · · ·
	4 - 5 - 6 -	-							
1153	7 -	5-10	3-4-5	5%	0.6	5W-SM	5AA		
	9 10 11	-	•						•
1159	12 13 14	- -	2-2-2	50%	0.8	5M	SAA, slightly more silt		
	15 16					5M	SAA Tan well graded v.f-med sand	, dry,	
1206	17	15-20	9-17-21	70°%	0.2		no ols		· · · ·
	18 19					ML	Grey:sh, dry, non-plat/coh, s:lt w:th some sand	no ols	1
	20 21	-							
1215	22	20-25	50 For 3"	50%	0.9	ML	SAA, more from		4
	23 24								
	25	-							анана Х.

Released to Imaging: 6/26/2025 9:20:10 AM

Received	Date Sam Drilled By	E N pled: 03/1 Y: N Env: Rodney (t Y: OF +	18/25 ro-Dr;11 3		M	Project Lo Project M Ground St	me: HARE 14M cation: inager: S. Hyde irface Elevation: ing Elevation: rdinate:	BORING LOG M BHOL Project No.: Borehole Diameter: Casing Diameter: Well Materials: Surface Completion: Boring Method:	
	DEPTH (FEET)	SAMPLE INTERVAL	BLOW COUNT	RECOVERY (%)	FID/PID READING (PPM)	USCS SYMBOL	GEOLOGIC DESCRIPTIO		ING/WELL APLETION
	25	-		Contraction Contraction					
1227	26 27	25-30	50 ‰ 4"	50%	19.7	ML	Silt w/ some fine sands, dry, non plst/coh, no o/s	grey,	
	28	_	-						
	29 30	-		a Systematica de la composition	· · · · · · · · · · · · · · · · · · ·				
	30 -	-			-				
1247	32	- 30-35	50-4"	11 091	64.4	ML	SAA		
1211	33	- 30-35	20-4	40%	0.1				· · · · · · · · · · · · · · · · · · ·
	34	-							
	35	-							
	36	-							
1258	37	35-140	50-6"	60%	42.1	ML	SAA		
1400	38	-							
	39	-			1				
	40					-			
	41								
1329	42	40-45	36, 50-6"	6%	14.5	ML	SAA		
	43								
	44								
	45								
	46	-							
1341	47	45-50	50-3"	60%	4.2	ML	SAA + shale?		
	48								
	49								
Released	50	1g: 6/26	2025 9:2	0:10 AN					

Image: Solution Project Name: Hare 14 BHO1A Project Name: Hare 14 Project No.: Project No.: Date Sampled: 3/18/25 Ground Surface Elevation: Borehole Diameter: 0** Drilled By: Energy Ground Surface Elevation: Casing Diameter: 0** Drilled By: Energy North Coordinate: Well Materials: Driller: Acdrey North Coordinate: Surface Completion: Doged By: OF Image: OF Image: OF Image: OF Image: OF Image: OF <						CII		ROPING	LOG NUMBER	
Project Location: CSTOPA Date Sampled: 3/16/25 Derived Namer: 2: Hydre Project Not: Detter Sampled: 3/16/25 Derived Namer: 2: Hydre Project Not: Detter Sampled: 3/16/25 Derived Namer: 2: Hydre Project Not: Detter Sampled: 3/16/25 Derived Namer: 2: Hydre Project Not: Detter Sampled: 3/16/25 Derived Namer: 2: Hydre Project Not: Laged By: OF Weit Mamerials: North Coordinate: Weit Mamerials: North Coordinate: Laged By: OF North Coordinate: Weit Mamerials: North Coordinate: North Coordinate: Solution: North Coordinate: Surface Completion: North Coordinate: North Coordinate: Solution: North Coordinate: Surface Completion: North Coordinate: North Coordinate: Solution: Solution: Solution: Surface Completion: North Coordinate: Solution: Solution: Surface Completion: North Coordinate: North Coordinate: Solution: Solution: Solution: Surface Completion:	E	F N	SO	1.10	М					
Project Manager: 5, Hydle Project No:: Dat Samplei: 3/16/25 Groud Surface Exection: Burched Dimeter: Q'' Delte By: Exerce Derthed By: Spree North Coordinate: Surface Completion: Laged By: OF Market Ma			50	LU				BHC	AI	
Date Sample: 3/16/25 Ground Surface Elevation: Darket Diameter: Ching Diameter: Driller: Addrey Top of Cating Elevation: Ching Diameter: Well Martinki: Logged By: GF Top of Cating Elevation: Surface Completion: Borchet Diameter: G ⁺⁺ H Top of Cating Elevation: Well Martinki: Surface Completion: Borchet Diameter: G ⁺⁺ H Top of Cating Elevation: Wet Coordinate: Wet Martinki: Surface Completion: Borchet Burder: Top of Cating Elevation: Caton, n o/s Dorchet Diameter: G ⁺⁺ S1 - - - - Caton, n o/s S2 - 50°-55 50°-6 4076 2.5 CL S3 - - - - - - S4 - - - - - - S4 - - - - - - - S6 - - - - - - - -									a a a a a a a a	
Drillel By: Epore Defler: Acking: Manterials: Viel Materials: Viel Materials: Laged By: oF Viel Coordinate: Viel Coordinate: Viel Materials: HLGR Mark Social	Date Sam	nled a	olas			1			the second se	
Dutter: Acadesy North Coordinate: Weil Materials: Lagged By: of If North Coordinate: Surface Completion: Harden If North Coordinate: Surface Completion: Bornorwer Surface Completion: Bornorwer 50 Image: Surface Completion: Bornorwer 50 Image: Surface Completion: Bornorwer 51 Image: Surface Completion: Bornorwer 52 Sorfs Sorfs Image: Surface Completion: 53 Image: Surface Completion: Image: Surface Completion: Bornorwer 54 Image: Surface Completion: Image: Surface Completion: Image: Surface Completion: 55 Image: Surface Completion: Image: Surface Completion: Image: Surface Completion: 55 Image: Surface Completion: Image: Surface Completion: Image: Surface Completion: 56 Image: Surface Completion: Image: Surface Completion: Image: Surface Completion: 56 Image: Surface Completion: Image: Surface Completion: Image: Surface Completion: 57 Image: Surface Completion: Image: Surface Completion: Image: Surface Completion: 56 Image: Surface Completion: Image: Surface Completion: Image: Surface Completion: 57 Image: Su	Drilled B	incar ol	18/25							
Loged By: of Loged By: of H Case of										
Image: Second										
HAT LOO MADE <						intsi Cool	unater			
50 -			t;			1				
50 -	EE	PLE	no) ER	E S G	N N			BORING/WELL	
50 -	DEP (FE)	TEI	MO	(%)	(PP)	SSY	GEOLOGIC DESCRIPTIO	DN	COMPLETION	
51 - 2.5 $Clay, n o/s$ 52 $50-55$ $50-6$ $40%$ 2.5 CL 53 - - - $Clay, of gravel coarse, dry, ne o/s$ 54 - - - - 55 - - - - 56 - - - - 57 - - - - 40 - - - - 40 - - - - 40 - - - - 44 - - - - 142 - - - - 144 - - - - 144 - - - - 145 - - - - 147 - - - - - 147 - - - - - - 147 - - -		S Z	BLo	R	- H	usc				
$ \begin{array}{c} 52 \\ 53 \\ 53 \\ 54 \\ 55 \\ 56 \\ 57 \\ 56 \\ 57 \\ 56 \\ 57 \\ 56 \\ 57 \\ 56 \\ 57 \\ 56 \\ 57 \\ 56 \\ 57 \\ 56 \\ 57 \\ 56 \\ 57 \\ 56 \\ 57 \\ 57 \\ 56 \\ 57 \\ 57 \\ 58 \\ 59 \\ 59 \\ 59 \\ 59 \\ 50 \\ 50 \\ 50 \\ 50 \\ 50 \\ 50 \\ 50 \\ 50$	50									
52 50-55 50-6 40% 2.5 CL 53 - - - - - 54 - - - - - 55 - - - - - - 56 - - - - - - - 57 - <t< th=""><th>51</th><th>-</th><th></th><th></th><th></th><th></th><th>Clay nols</th><th></th><th></th></t<>	51	-					Clay nols			
53 - 54 - 55 - 56 - 57 - ++ - ++ - ++ - ++ - ++ - ++ - ++ - ++ - ++ - ++ - ++ - ++ - ++ - ++ <td< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th>······································</th><th></th><th></th></td<>							······································			
54 - 55 - 56 - 57 - - - - +0 - +0 - +10 - +10 - +10 - +10 - +10 - +10 - +10 - +10 - +10 - +10 - +10 - +11 - +12 - +13 - +14 - +15 - +16 - +17 - +18 - +19 - +20 - +21 - +22 - +23 - +24 - +24 - +24 - +24 -	52	50-55	50-6	40%	2.5	CL	a second company for all second on the first second second second			
54 - 55 - 56 - 57 - - - - +- - +- - +- - ++ <td< th=""><th>53</th><th>-</th><th></th><th></th><th></th><th></th><th>Clay of gravel coarse, dr</th><th>y, no ols</th><th></th></td<>	53	-					Clay of gravel coarse, dr	y, no ols		
57		-					g			
$ \begin{array}{c} 56 \\ 57 \\ 57 \\ $										
57	55									
57	56	-								
$ \begin{array}{c} $		_					2. Manufacture and the state of the state			
$ \begin{array}{c} 9 \\ - \\ - \\ 10 \\ - \\ 10 \\ - \\ 10 \\ - \\ 11 \\ - \\ 12 \\ - \\ - \\ 13 \\ - \\ - \\ - \\ - \\ - \\ - \\ - \\ - \\ - \\ -$		-					$\label{eq:second} a non-hyperbolic probability of the start interaction of the first second second$			
9		-								
$ \begin{array}{c} 10 \\ 11 \\ 12 \\ 12 \\ 13 \\ 14 \\ 14 \\ 14 \\ 14 \\ 15 \\ 16 \\ 16 \\ 17 \\ 18 \\ 18 \\ 19 \\ 19 \\ 29 \\ 21 \\ 22 \\ 22 \\ 22 \\ 22 \\ 24 \\ 24 \\ 24 \\ 24$	<u>م</u>	-								
$ \begin{array}{c} $				-						
$ \begin{array}{c} 12 \\ -13 \\ -14 \\ -14 \\ -14 \\ -14 \\ -14 \\ -15 \\ -15 \\ -16 \\ -17 \\ -16 \\ -17 \\ -17 \\ -18 \\ -19 \\ -19 \\ -29 \\ -24 \\$	-10 -						and and the second s			
$ \begin{array}{c} 13 \\ 14 \\ 14 \\ 14 \\ 15 \\ 14 \\ 15 \\ 16 \\ 16 \\ 17 \\ 17 \\ 18 \\ 19 \\ 19 \\ 20 \\ 21 \\ 21 \\ 22 \\ 21 \\ 22 \\ 21 \\ 22 \\ 21 \\ 22 \\ 21 \\ 22 \\ 22$	++-	-								
$ \begin{array}{c} 13 \\ 14 \\ 14 \\ 14 \\ 15 \\ 14 \\ 15 \\ 16 \\ 16 \\ 17 \\ 17 \\ 18 \\ 19 \\ 19 \\ 20 \\ 21 \\ 21 \\ 22 \\ 21 \\ 22 \\ 21 \\ 22 \\ 21 \\ 22 \\ 21 \\ 22 \\ 22$		-								
$ \begin{array}{c} 14 \\ +5 \\ +6 \\ +6 \\ +7 \\ +7 \\ +7 \\ +7 \\ +7 \\ +7 \\ +7 \\ +7$	- **						a na manananananan kanananan ya mbanana manana dikanana yang ka ma madalah (2002) na berbakan (2002) na berbaka			
$ \begin{array}{c} 1+5 \\ -16 \\ -17 \\ -17 \\ -18 \\ -19 \\ -20 \\ -20 \\ -21 \\ -22 \\ -22 \\ -22 \\ -22 \\ -24 $	-13									
$ \begin{array}{c} 15 \\ 16 \\ 17 \\ 17 \\ 18 \\ 19 \\ 20 \\ 21 \\ 22 \\ 22 \\ 22 \\ 22 \\ 22 \\ 22 \\ 24 \\ 24$. مد	-								
$ \begin{array}{c} 16 \\ -17 \\ -17 \\ -18 \\ -19 \\ -20 \\ -21 \\ -22 \\ -22 \\ -22 \\ -22 \\ -24 \\ -24 \\ - \end{array} $							$=\sum_{i=1}^{n-1} (1-i) ($			
$ \begin{array}{c} -17 \\ -18 \\ -19 \\ -20 \\ -20 \\ -22 \\ -22 \\ -22 \\ -22 \\ -22 \\ -22 \\ -22 \\ -24 \\ -24 \\ -24$	45									
$ \begin{array}{c} -17 \\ -18 \\ -19 \\ -20 \\ -20 \\ -22 \\ -22 \\ -22 \\ -22 \\ -22 \\ -22 \\ -22 \\ -24 \\ -24 \\ -24$	16 ·	-			~					
$ \begin{array}{c} 18 \\ 19 \\ 20 \\ 21 \\ 21 \\ 22 \\ 22 \\ 22 \\ 23 \\ 24 \\ 24 \\ - \\ 24 \\ - \\ - \\ - \\ - \\ - \\ - \\ - \\ - \\ - \\ -$					the second s		and and a second structure and any construction prior (in support parts (i), special or provident construction			
$ \begin{array}{c} 19 \\ 20 \\ -21 \\ -21 \\ -22 \\ -22 \\ -22 \\ -23 \\ -24 \\ - \end{array} $	-17		and the second sec				and a second			
20 -21 -21 -22 -22 -22 -23 -24 -24	18-									
20 -21 -21 -22 -22 -22 -23 -24 -24	. مد	-								
21						an de la comune en planta de la com				
22	-20						and the second state of a second state of the			
-22 - -22 - -23 - -24 -	-21	-								
23 24 -							and another the little of the second states of the			
24 -	-22			(and provide the second						
	-23-									
		-								
-25	-24						anti-analos - al analos () indexe datema constrainte datema () indexe			
	-25									

1420



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

Page 69 of 76

QUESTIONS

Action 452602

QUESTIO	NS
Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	452602
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites		
Incident ID (n#)	nRM2028852747	
Incident Name	NRM2028852747 HARE 14M SVE @ 30-045-33566	
Incident Type	Release Other	
Incident Status	Remediation Closure Report Received	
Incident Well	[30-045-33566] HARE #014M	
k		

Location of Release Source

	Please answe	r all the questions i	in this group.
--	--------------	-----------------------	----------------

Site Name	HARE 14M SVE
Date Release Discovered	07/16/2020
Surface Owner	Federal

Incident Details

Please answer all the questions in this group.						
Incident Type	Release Other					
Did this release result in a fire or is the result of a fire	No					
Did this release result in any injuries	No					
Has this release reached or does it have a reasonable probability of reaching a watercourse	Νο					
Has this release endangered or does it have a reasonable probability of endangering public health	Νο					
Has this release substantially damaged or will it substantially damage property or the environment	Νο					
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	Yes					

Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications fo	r the volumes provided should be attached to the follow-up C-141 submission.
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.
Condensate Released (bbls) Details	Cause: Vandalism Tank (Any) Condensate Released: 36 BBL Recovered: 0 BBL Lost: 36 BBL.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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

QUESTIONS, Page 2

Action 452602

	JUVIC	(continu	vq)
QUESI	CINO	(COLITINI IN	eur

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	452602
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more; (4) a release of a volume that may with reasonable probability be detrimental to fresh water.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e	e. gas only) are to be submitted on the C-129 form.

Initial Response		
The responsible party must undertake the following actions immediately unless they could create a s	afety hazard that would result in injury.	
The source of the release has been stopped	True	
The impacted area has been secured to protect human health and the environment	True	
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True	
All free liquids and recoverable materials have been removed and managed appropriately	True	
If all the actions described above have not been undertaken, explain why Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remedi	Not answered. ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of	
actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.		
I hereby agree and sign off to the above statement	Name: Stuart Hyde Title: Senior Geologist Email: shyde@ensolum.com Date: 04/16/2025	

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

QUESTIONS (continued)

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	452602
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release an	nd the following surface areas:
A continuously flowing watercourse or any other significant watercourse	Between 300 and 500 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 500 and 1000 (ft.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Between 300 and 500 (ft.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	None
A 100-year floodplain	Between 300 and 500 (ft.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
Requesting a remediation	n plan approval with this submission	Yes
Attach a comprehensive report o	emonstrating the lateral and vertical extents of soil contamination a	associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.
Have the lateral and vertic	cal extents of contamination been fully delineated	Yes
Was this release entirely	Was this release entirely contained within a lined containment area No	
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)		
Chloride	(EPA 300.0 or SM4500 Cl B)	88
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	10100
GRO+DRO	(EPA SW-846 Method 8015M)	10100
BTEX	(EPA SW-846 Method 8021B or 8260B)	647
Benzene	(EPA SW-846 Method 8021B or 8260B)	3.8
	NMAC unless the site characterization report includes completed melines for beginning and completing the remediation.	efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,
On what estimated date will the remediation commence 06/06/2023		
On what date will (or did)	the final sampling or liner inspection occur	03/20/2025
On what date will (or was) the remediation complete(d)	03/20/2025
What is the estimated sur	face area (in square feet) that will be reclaimed	0
What is the estimated vol	ume (in cubic yards) that will be reclaimed	0
What is the estimated sur	face area (in square feet) that will be remediated	3000
What is the estimated vol	ume (in cubic yards) that will be remediated	1700
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.		time of submission and may (be) change(d) over time as more remediation efforts are completed.
The OOD second and the taxes	and an analytic and an analytic and an analytic to the second state of	

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

Released to Imaging: 6/26/2025 9:20:10 AM

QUESTIONS, Page 3

Action 452602

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

QUESTIONS (continued)		
Operator:	OGRID:	
HILCORP ENERGY COMPANY	372171	
1111 Travis Street	Action Number:	
Houston, TX 77002	452602	
1	Action Type:	
l	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	
QUESTIONS		
Remediation Plan (continued)		
Please answer all the questions that apply or are indicated. This information must be provided to the	appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate	/ reduce contaminants:	
(Select all answers below that apply.)		
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Not answered.	
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.	
(In Situ) Soil Vapor Extraction	Yes	
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.	
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.	
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.	
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.	
OTHER (Non-listed remedial process)	Not answered.	
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed eff which includes the anticipated timelines for beginning and completing the remediation.	forts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC	
to report and/or file certain release notifications and perform corrective actions for relea- the OCD does not relieve the operator of liability should their operations have failed to a	throwledge and understand that pursuant to OCD rules and regulations all operators are required uses which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or	
I hereby agree and sign off to the above statement	Name: Stuart Hyde Title: Senior Geologist Email: shyde@ensolum.com Date: 04/16/2025	

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

QUESTIONS, Page 4

Action 452602

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

QUESTIONS, Page 5

Action 452602

Page 73 of 76

QUESTIONS	(continued)

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	452602
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of	
Requesting a deferral of the remediation closure due date with the approval of this submission	Νο

General Information Phone: (505) 629-6116

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

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

QUESTIONS (continued)

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	452602
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	443928
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/20/2025
What was the (estimated) number of samples that were to be gathered	12
What was the sampling surface area in square feet	1000

Remediation	Closure	Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	3000
What was the total volume (cubic yards) remediated	1700
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	Not applicable
	closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of
to report and/or file certain release notifications and perform corrective actions for release the OCD does not relieve the operator of liability should their operations have failed to water, human health or the environment. In addition, OCD acceptance of a C-141 report	knowledge and understand that pursuant to OCD rules and regulations all operators are required ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface rt does not relieve the operator of responsibility for compliance with any other federal, state, or tially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed ing notification to the OCD when reclamation and re-vegetation are complete.
	Name: Stuart Hyde

	Name: Stuart Hyde
I hereby agree and sign off to the above statement	Title: Senior Geologist
Thereby agree and sign on to the above statement	Email: shyde@ensolum.com
	Date: 04/16/2025

QUESTIONS, Page 6

Page 74 of 76

Action 452602

Ct-
Sta
Energy, Mine
Life gy, will e

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

QUESTIONS (continued)

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	452602
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)
OUESTIONS	

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

QUESTIONS, Page 7

Action 452602

Page 75 of 76

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:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	452602
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By		Condition Date
nvelez	None	6/26/2025

Page 76 of 76

Action 452602