

April 26, 2024

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 Work Plan

San Juan 28-6 Unit 102N Rio Arriba County, New Mexico Hilcorp Energy Company NMOCD Incident Number: nAPP2403034973

To Whom it May Concern:

Ensolum, LLC (Ensolum), on behalf of Hilcorp Energy Company (Hilcorp), presents this *Remediation Work Plan* associated with the release discovered at the San Juan 28-6 Unit 102N natural gas production well pad (Site). The Site is located on land managed by the Bureau of Land Management (BLM) in Unit I, Section 26, Township 28 North, Range 6 West in Rio Arriba County, New Mexico (Figure 1).

SITE BACKGROUND

On January 29, 2024, Hilcorp discovered a release of 41.58 barrels (bbls) of condensate due to corrosion at the bottom of the on-Site above ground storage tank (AST). Fluids stayed within the secondary containment berm but none were recovered. Upon discovery, the leak was stopped and the remaining contents of the tank were drained to the nearby pit. The release volume was determined based on the operator's tank gauging data. Hilcorp notified the New Mexico Oil Conservation Division (NMOCD) via email and submitted a Notification of Release on January 30, 2024. Hilcorp submitted the initial Form C-141 on February 12, 2024, and the release was assigned NMOCD Incident Number nAPP2403034973.

SITE CHARACTERIZATION

The Site is located on public land in Rio Arriba County, New Mexico. As part of the Site investigation, local geology/hydrogeology and nearby sensitive receptors were assessed in accordance with Title 19, Chapter 15, Part 29, Sections 11 and 12 (19.15.29.11 and 12) of the New Mexico Administrative Code (NMAC). This information is further discussed below.

GEOLOGY AND HYDROGEOLOGY

The Site is located in Tertiary (Eocene) age San Jose Formation and is underlain by the Nacimiento Geologic Formation. In the report titled "Hydrogeology and Water Resources of San Juan Basin, New Mexico" (Stone, et. al., 1983), the San Jose Formation is composed of interbedded sandstones and mudstones and varies in thickness from less than 200 feet to about

Page 2

2,700 feet. The hydrologic properties of the San Jose Formation are largely untested. Where sufficient yield is present, the primary use of water from this Formation is for domestic and/or livestock supply.

POTENTIAL SENSITIVE RECEPTORS

Potential nearby receptors were assessed through desktop reviews of United States Geological Survey (USGS) topographic maps, Federal Emergency Management Administration (FEMA) Geographic Information System (GIS) maps, New Mexico Office of the State Engineer (NMOSE) database, aerial photographs, and Site-specific observations.

The nearest significant watercourse to the Site is an unnamed intermittent stream located approximately 385 feet south of the Site. The nearest data point for depth to groundwater to the Site is a water well (SJ-04033-POD1) located approximately 7,010 feet northwest of the Site (Appendix A). This well indicates the shallowest groundwater is approximately 179 feet below ground surface (bgs) in this area.

The Site is greater than 200 feet from any lakebed, sinkhole, or playa lake, and greater than 300 feet from any wetland. Wellhead protection areas, springs, or domestic/stock wells are not located within a ½-mile from the Site. The Site is not within a 100-year floodplain, overlying a subsurface mine, or located within an area underlain by unstable geology (area not designated as high potential karst by the BLM). Schools, hospitals, institutions, churches, and/or other occupied permanent residence or structures are not located within 300 feet of the Site. A Site receptor map is shown on Figure 1.

SITE CLOSURE CRITERIA

Based on the information presented above and in accordance with the *Table I, Closure Criteria* for *Soils Impacted by a Release* (19.15.29.12 NMAC), the following Closure Criteria for constituents of concern (COCs) should be applied to the Site:

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH) as a combination of gasoline range organics (GRO), diesel range organics (DRO), and motor oil range organics (MRO): 2,500 mg/kg

GRO+DRO: 1,000 mg/kgChloride: 20,000 mg/kg

HAND AUGER AND POTHOLE DELINEATION ACTIVITIES

Ensolum advanced an initial hand auger boring at the Site on January 30, 2024, following the discovery of the release. Based on initial field screening and preliminary analytical results (presented on Table 1), additional vertical and lateral delineation was required to further delineate soil impacts. A backhoe was used to advance potholes at the Site and continue delineation efforts on February 6, 2024. Potholes PH01 through PH06 were advanced at the locations indicated on Figure 2. During delineation activities, an Ensolum geologist noted the soil composition and inspected the soil for petroleum hydrocarbon staining and odors. Soils were generally described using the Unified Soil Classification System (USCS), as specified in American Society for Testing and Materials (ASTM) method D2488. The soil composition was homogenous across the Site and was comprised of Clay overlying soft silt that graded to sandstone that became indurated with depth. Soil samples were also field screened for the presence of volatile organic compounds



Remediation Work Plan San Juan 28-6 Unit 102N

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(VOCs) using a calibrated photoionization detector (PID). The NMOCD was notified at least 48 hours in advance of potholing activities performed at the Site. Notifications and correspondence with the NMOCD are attached in Appendix B.

Two soil samples were collected from each pothole to assess subsurface impacts, with one sample collected from the interval corresponding to the highest PID reading and one sample collected from the terminus of the pothole. Soil samples were collected directly into laboratory-provided jars and immediately placed on ice. Samples were submitted to Eurofins Environment Testing (Eurofins) for analysis of BTEX following United States Environmental Protection Agency (EPA) Method 8021B, TPH-GRO, TPH-DRO, and TPH-MRO following EPA Method 8015M/D, and chloride following EPA Method 300.0.

DELINEATION RESULTS AND CONCLUSIONS

In general, unconsolidated clay and silt overlie soft, silty sandstone that grades to hard sandstone at depths of approximately 10 to 12 bgs. Refusal with the backhoe was encountered at depths between 10 to 14 feet bgs. Field indications of petroleum hydrocarbons, including staining, odors, and/or elevated PID readings, were noted in potholes PH01 and PH03. Groundwater was not encountered in any of the potholes.

Concentrations of total BTEX and total TPH exceeding the NMOCD Table I Closure Criteria were detected in samples collected from borings/potholes HA01, PH01, and PH03. Containment of Concern (COC) concentrations were compliant with the NMOCD Table I Closure Criteria in all other analyzed samples. A summary of the January and February 2024 analytical results is presented on Table 1 and is depicted on Figure 2. Complete laboratory reports are attached in Appendix C. Photographs collected during Site work are included in Appendix D.

Based on the depths at which COC concentrations exceeded the applicable Closure Criteria (near the interface of the unconsolidated clay and silty sandstone), it appears the released fluids predominantly migrated vertically below the center of the secondary containment and then travelled along the bedrock contact. Based on the soil analytical data collected at the Site, petroleum hydrocarbon impacted soil is present between the ground surface up to a depth of approximately 10 feet bgs. Based on this data, it is estimated 600 cubic yards of soil have been impacted by the Site release.

REMEDIATION WORK PLAN

Because of the areal extent of impacts, volume of impacted soil, and remote location of the Site, soil shredding has been chosen as the remediation technique to address impacted soil at the Site. Soil shredding is an ex-situ and on-Site treatment of impacted soil through which impacted material is chemically treated using a chemical oxidant (generally hydrogen peroxide) applied to the soil. Impacted material is excavated from the ground using standard construction techniques and placed onto a soil screening unit using a special shredding bucket. The impacted soil is conveyed by the screening unit and chemical treatment is applied simultaneously. The treated soil is then placed in 100 cubic yard stockpiles and allowed to process for 24 to 48 hours in order for the oxidant to degrade the petroleum hydrocarbon contaminants in the soil.

Once treated, 5-point composite samples will be collected for analysis from each 100 cubic yard stockpile. The 5-point composite samples will be collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Samples will be submitted to Eurofins using the handling procedures described above and will be analyzed for TPH and BTEX constituents. Based on the delineation results described above, chloride will not be analyzed during confirmation soil sampling. Assuming soil is compliant with the NMOCD Table I Closure Criteria, the soil will be ultimately used to backfill the open



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excavation. Any stockpiles exceeding the applicable Closure Criteria will be allowed to process for a longer period of time and/or be retreated until Closure Criteria are met.

In addition, as soil is removed from the excavation, the excavation sidewalls and floors will be field screened using a PID. Once field screening indicates impacted soil has been removed, 5-point composite samples will be collected from the sidewalls and floor of the excavation at a frequency of one sample per 200 square feet. The 5-point composite samples will be collected in the same manner described above. Samples will also be collected and submitted to Eurofins using the techniques described above and will again be analyzed for TPH and BTEX constituents.

SCHEDULE

Within 90 days of NMOCD and BLM approval of this *Remediation Work Plan*, pending contractor availability, Hilcorp will complete the remediation work as described above. Hilcorp will notify the NMOCD and BLM of any delays in this schedule.

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

Sincerely, **Ensolum, LLC**

Wer Winhut

Wes Weichert, PG Project Geologist (816) 266-8732 wweichert@ensolum.com Stuart Hyde, PG Senior Geologist (970) 903-1607 shyde@ensolum.com

Attachments:

Figure 1: Site Receptor Map

Figure 2: Delineation Soil Sample Locations

Table 1: Soil Sample Analytical Results

Appendix A: NMOSE Point of Diversion Summary

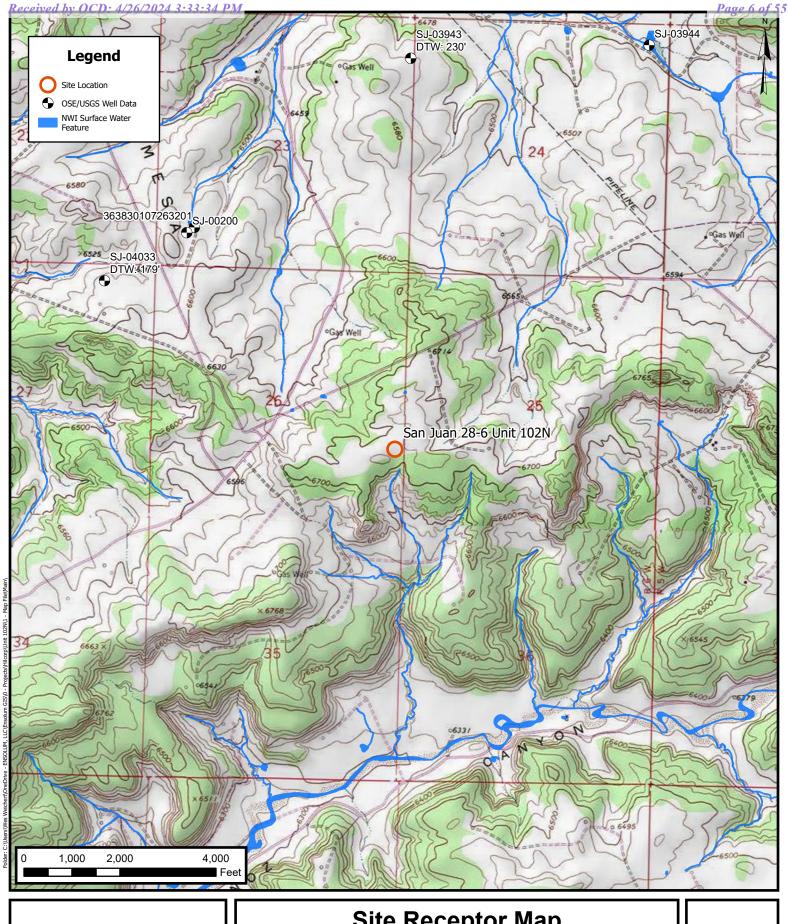
Appendix B: Agency Notifications

Appendix C: Laboratory Analytical Reports

Appendix D: Photographic Log



FIGURES



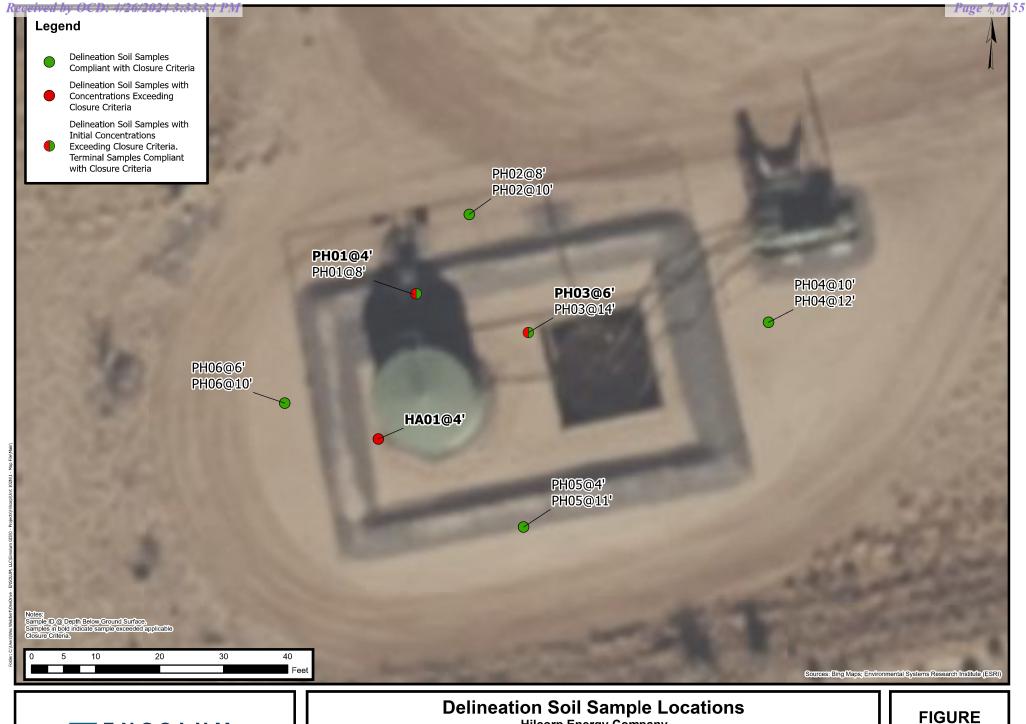


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Site Receptor Map

Hilcorp Energy Company San Juan 28-6 Unit 102N

Incident Number: nAPP2403034973 Unit I, Sec. 26, T028N, R006W Rio Arriba County, New Mexico, United States FIGURE 1





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Hilcorp Energy Company San Juan 28-6 Unit 102N

Incident Number: nAPP2403034973 Unit I, Sec. 26, T028N, R006W Rio Arriba County, New Mexico, United States IGURE 2



TABLES

Received by OCD: 4/26/2024 3:33:34 PM Page 9 of 55



TABLE 1 **SOIL SAMPLE ANALYTICAL RESULTS** San Juan 28-6 Unit 102N

Hilcorp Energy Company

					Ri	o Arriba Coun	ty, New Mexico						
Sample Identification	Date	Depth (feet bgs)	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)	Chloride (mg/kg)
NMOCD Closure	Criteria for Soils Release	s Impacted by a	10	NE	NE	NE	50	NE	NE	NE	1,000	2,500	20,000
HA01@4'	1/30/2024	4	1.8	100	46	640	787.8	6,000	3,100	<470	9,100	9,100	<60
PH01@4'	2/6/2024	4	4.6	110	33	450	597.6	4,400	1,600	<480	6,000	6,000	<60
PH01@8'	2/6/2024	8	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.1	<45	<9.1	<45	<60
PH02@8'	2/6/2024	8	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.2	<46	<9.2	<46	<60
PH02@10'	2/6/2024	10	<0.024	<0.048	<0.048	0.23	0.23	9.9	<9.4	<47	9.9	9.9	<60
PH03@6'	2/6/2024	6	3.3	83	26	350	462.3	3,500	1,400	<480	4,900	4,900	<60
PH03@14'	2/6/2024	14	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.5	<48	<9.5	<48	<60
PH04@10'	2/6/2024	10	<0.023	<0.046	<0.046	<0.092	<0.092	<4.6	<9.3	<47	<9.3	<47	<60
PH04@12'	2/6/2024	12	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.0	<45	<9.0	<45	<59
PH05@4'	2/6/2024	4	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<9.5	<47	<9.5	<47	<60
PH05@11'	2/6/2024	11	<0.024	<0.047	<0.047	<0.094	<0.094	<4.7	<9.4	<47	<9.4	<47	<60
PH06@6'	2/6/2024	6	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<9.7	<49	<9.7	<49	<60
PH06@10'	2/6/2024	10	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<9.1	<46	<9.1	<46	<60

Notes:

bgs: below ground surface

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

mg/kg: milligrams per kilogram

NE: Not Established

NMOCD: New Mexico Oil Conservation Division

': feet

GRO: Gasoline Range Organics

DRO: Diesel Range Organics MRO: Motor Oil Range Organics

TPH: Total Petroleum Hydrocarbon

<: indicates result less than the stated laboratory reporting limit (RL)</p>

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

Ensolum 1 of 1



APPENDIX A

NMOSE Point of Diversion Summary



New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag **POD Number**

Q64 Q16 Q4 Sec Tws Rng

X

SJ 04033 POD1

28N 06W

281041 4057564

Driller License: 717 **Driller Company:**

WESTERN WATER WELLS

Driller Name: Drill Start Date: TERRY HOOD

06/25/2013

Drill Finish Date:

07/03/2013

Plug Date:

Shallow

Log File Date:

07/09/2013

PCW Rcv Date:

Depth Well:

Source:

Pump Type: Casing Size:

Pipe Discharge Size:

Estimated Yield: 430 feet Depth Water:

10 GPM 179 feet

Water Bearing Stratifications:

5.00

Top 140 225

Bottom Description Sandstone/Gravel/Conglomerate Sandstone/Gravel/Conglomerate

360

Sandstone/Gravel/Conglomerate

Casing Perforations:

Top **Bottom** 316 430

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

2/6/24 12:55 PM

POINT OF DIVERSION SUMMARY



APPENDIX B

Agency Notifications

From: OCDOnline@state.nm.us

To: Stuart Hyde

Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 310133

Date: Wednesday, January 31, 2024 3:28:17 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#) nAPP2403034973.

The sampling event is expected to take place:

When: 02/05/2024 @ 08:30

Where: I-26-28N-06W 1590 FSL 195 FEL (36.6293411,-107.428154)

Additional Information: Stuart Hyde (970) 903-1607

Delineation sampling, number of samples and sampling surface area may be less.

Additional Instructions: 36.6293411,-107.428154

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

To: Stuart Hyde

Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 311202

Date: Monday, February 5, 2024 10:15:22 AM

[**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#) nAPP2403034973.

The sampling event is expected to take place:

When: 02/06/2024 @ 08:00

Where: I-26-28N-06W 1590 FSL 195 FEL (36.6293411,-107.428154)

Additional Information: Stuart Hyde

970-903-1607

Due to weather and road conditions to the site, sampling work may be delayed from 2/5/2024 to 2/6/2024. As such, we are requesting a variance of the 2 business day sampling notification requirement set forth in 19.15.29.12(D)(1)(a) in order to collect confirmation samples on Tuesday February 6, 2024 beginning at 8 AM.

Additional Instructions: 36.6294, -107.42764

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.

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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: <u>Velez, Nelson, EMNRD</u>

To: <u>Stuart Hyde</u>

Cc: <u>Wes Weichert</u>; <u>Samantha Grabert</u>

Subject: Re: [EXTERNAL] nAPP2403034973 - San Juan 28-6 Unit 102N Sampling Notification Variance Request

Date: Monday, February 5, 2024 1:30:28 PM

Attachments: image001.pnq

image002.png image003.png image004.png Outlook-cg4nzvlv.png

[**EXTERNAL EMAIL**]

Good afternoon Stuart,

Thank you for the notice. 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.

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.state.nm.us/OCD/



From: Stuart Hyde <shyde@ensolum.com> Sent: Monday, February 5, 2024 12:03 PM

To: Velez, Nelson, EMNRD < Nelson. Velez@emnrd.nm.gov>

Cc: Wes Weichert <wweichert@ensolum.com>; Samantha Grabert

<Samantha.Grabert@hilcorp.com>

Subject: [EXTERNAL] nAPP2403034973 - San Juan 28-6 Unit 102N Sampling Notification Variance Request

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

Nelson,

Due to weather and road conditions to the site, sampling work at the Hilcorp Energy Company San Juan 28-6 Unit 102N site be delayed from 2/5/2024 to 2/6/2024. As such, we are requesting a variance of the 2-business day sampling notification requirement set forth in 19.15.29.12(D)(1)(a) in order to collect confirmation samples on Tuesday February 6, 2024 beginning at 8 AM.

Please reach out with any questions. Thanks.



From: OCDOnline@state.nm.us < OCDOnline@state.nm.us >

Sent: Monday, February 5, 2024 10:15 AM **To:** Stuart Hyde <shyde@ensolum.com>

Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 311202

[**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#) nAPP2403034973.

The sampling event is expected to take place:

When: 02/06/2024 @ 08:00

Where: I-26-28N-06W 1590 FSL 195 FEL (36.6293411,-107.428154)

Additional Information: Stuart Hyde

970-903-1607

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Additional Instructions: 36.6294, -107.42764

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 C

Laboratory Analytical Reports



Eurofins Environment Testing South Central, LLC 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

February 13, 2024

Samantha Grabert HILCORP ENERGY PO Box 4700 Farmington, NM 87499 TEL: (505) 564-0733

FAX:

RE: SJ 28 6 102N OrderNo.: 2401B91

Dear Samantha Grabert:

Eurofins Environment Testing South Central, LLC received 1 sample(s) on 1/31/2024 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

andy

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report Lab Order 2401B91

Date Reported: 2/13/2024

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HILCORP ENERGY Client Sample ID: HA01@4'

 Project:
 SJ 28 6 102N
 Collection Date: 1/30/2024 1:14:00 PM

 Lab ID:
 2401B91-001
 Matrix: SOIL
 Received Date: 1/31/2024 7:00:00 AM

Analyses	Result	RL (Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OF	RGANICS					Analyst: JKU
Diesel Range Organics (DRO)	3100	93		mg/Kg	10	2/5/2024 11:39:55 AM
Motor Oil Range Organics (MRO)	ND	470	D	mg/Kg	10	2/5/2024 11:39:55 AM
Surr: DNOP	0	61.2-134	S	%Rec	10	2/5/2024 11:39:55 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	6000	99		mg/Kg	20	2/3/2024 3:20:14 AM
Surr: BFB	1190	15-244	S	%Rec	20	2/3/2024 3:20:14 AM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	1.8	0.50		mg/Kg	20	2/3/2024 3:20:14 AM
Toluene	100	9.9		mg/Kg	200	2/5/2024 2:36:57 PM
Ethylbenzene	46	0.99		mg/Kg	20	2/3/2024 3:20:14 AM
Xylenes, Total	640	20		mg/Kg	200	2/5/2024 2:36:57 PM
Surr: 4-Bromofluorobenzene	137	39.1-146		%Rec	20	2/3/2024 3:20:14 AM
EPA METHOD 300.0: ANIONS						Analyst: SNS
Chloride	ND	60		mg/Kg	20	2/3/2024 11:47:08 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#: **2401B91**

13-Feb-24

Client: HILCORP ENERGY

Project: SJ 28 6 102N

Sample ID: MB-80236 SampType: MBLK TestCode: EPA Method 300.0: Anions

Client ID: **PBS** Batch ID: **80236** RunNo: **102858**

Prep Date: 2/2/2024 Analysis Date: 2/3/2024 SeqNo: 3800520 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride ND 1.5

Sample ID: LCS-80236 SampType: LCS TestCode: EPA Method 300.0: Anions

Client ID: **LCSS** Batch ID: **80236** RunNo: **102858**

Prep Date: 2/2/2024 Analysis Date: 2/3/2024 SeqNo: 3800521 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride 14 1.5 15.00 0 95.3 90 110

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 2 of 5

Hall Environmental Analysis Laboratory, Inc.

2401B91 13-Feb-24

WO#:

Client: HILCORP ENERGY

Project: SJ 28 6 102N

Sample ID: MB-80224	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 80224	RunNo: 102843
Prep Date: 2/1/2024	Analysis Date: 2/2/2024	SeqNo: 3800103 Units: %Rec
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

 Surr: DNOP
 12
 10.00
 123
 61.2
 134

 Sample ID: LCS-80224
 SampType: LCS
 TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: LCSS Batch ID: 80224 RunNo: 102843

Prep Date: 2/1/2024 Analysis Date: 2/2/2024 SeqNo: 3800104 Units: %Rec

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Surr: DNOP 6.4 5.000 127 69 147

Sample ID: MB-80223 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: PBS Batch ID: 80223 RunNo: 102856 Prep Date: Analysis Date: 2/2/2024 SeqNo: 3800484 Units: mg/Kg 2/1/2024 %RPD Analyte Result POI SPK value SPK Ref Val %REC LowLimit HighLimit **RPDLimit** Qual Diesel Range Organics (DRO) ND 10 Motor Oil Range Organics (MRO) ND 50 Surr: DNOP 11 10.00 107 61.2 134

Sample ID: LCS-80223 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Batch ID: 80223 Client ID: LCSS RunNo: 102856 Prep Date: Analysis Date: 2/2/2024 SeqNo: 3800485 2/1/2024 Units: mg/Kg Analyte Result POL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Diesel Range Organics (DRO) 45 10 50.00 0 90.3 59.7 135 Surr: DNOP 102 5.1 5.000 61.2 134

Qualifiers:

- Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 3 of 5

Hall Environmental Analysis Laboratory, Inc.

2401B91 13-Feb-24

WO#:

Client: HILCORP ENERGY

Project: SJ 28 6 102N

Sample ID: Ics-80192 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range Client ID: LCSS Batch ID: 80192 RunNo: 102837 Prep Date: 1/31/2024 Analysis Date: 2/2/2024 SeqNo: 3799767 Units: mg/Kg PQL SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Analyte Result LowLimit Qual Gasoline Range Organics (GRO) 29 5.0 25.00 0 115 70 130 Surr: BFB 2200 1000 222 15 244

Sample ID: mb-80192 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range Client ID: PBS Batch ID: 80192 RunNo: 102837 Prep Date: 1/31/2024 Analysis Date: 2/2/2024 SeqNo: 3799768 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) ND 5.0

1000

102

244

Surr: BFB

1000

15

Qualifiers:

Value exceeds Maximum Contaminant Level

D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of standard limits. If undiluted results may be estimated.

Analyte detected in the associated Method Blank

Above Quantitation Range/Estimated Value

Analyte detected below quantitation limits

Sample pH Not In Range

RL Reporting Limit Page 4 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#: **2401B91** *13-Feb-24*

Client: HILCORP ENERGY

Project: SJ 28 6 102N

Sample ID: LCS-80192	s	TestCode: EPA Method 8021B: Volatiles										
Client ID: LCSS	Batcl	h ID: 80 1	192	F	RunNo: 10	02837						
Prep Date: 1/31/2024	Analysis [Date: 2/ 2	2/2024	SeqNo: 3799772			2 Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene	0.88	0.025	1.000	0	88.0	70	130					
Toluene	0.89	0.050	1.000	0	88.8	70	130					
Ethylbenzene	0.89	0.050	1.000	0	88.8	70	130					
Xylenes, Total	2.7	0.10	3.000	0	89.2	70	130					
Surr: 4-Bromofluorobenzene	0.93		1.000		92.6	39.1	146					

Sample ID: mb-80192	Samp	Гуре: МЕ	BLK	TestCode: EPA Method 8021B: Volatiles									
Client ID: PBS	Batcl	h ID: 80 1	192	F	RunNo: 10	02837							
Prep Date: 1/31/2024	Analysis [Date: 2/ 2	2/2024	SeqNo: 3799773 Units: mg/Kg				g					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Benzene	ND	0.025											
Toluene	ND	0.050											
Ethylbenzene	ND	0.050											
Xylenes, Total	ND	0.10											
Surr: 4-Bromofluorobenzene	0.88		1.000		88.0	39.1	146						

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 5 of 5

Environment Testin

Eurofins Environment Testing South Central, LLC 4901 Hawkins NE

Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Sample Log-In Check List

Released to Imaging: 5/1/2024 1:06:48 PM

Website: www.hallenvironmental.com RcptNo: 1 Work Order Number: 2401B91 HILCORP ENERGY Client Name: 1/31/2024 7:00:00 AM Received By: **Tracy Casarrubias** 1/31/2024 7:48:42 AM Completed By: **Tracy Casarrubias** 5CM 1/31/24 Reviewed By. Chain of Custody No 🗹 Not Present Yes 🗌 1. Is Chain of Custody complete? Courier 2. How was the sample delivered? Log In NA 🗌 No 🗌 Yes 🗹 3. Was an attempt made to cool the samples? No 🗌 NA 🗌 Were all samples received at a temperature of >0° C to 6.0°C Yes 🗹 No 🗌 Yes 🗸 5. Sample(s) in proper container(s)? No 🗔 Yes 🗸 6. Sufficient sample volume for indicated test(s)? Yes 🔽 No 🗌 7. Are samples (except VOA and ONG) properly preserved? No 🔽 NA 🗌 Yes 8. Was preservative added to bottles? NA 🗸 No 🗌 Yes 9. Received at least 1 vial with headspace <1/4" for AQ VOA? No 🗸 Yes 10. Were any sample containers received broken? # of preserved bottles checked No 🗌 for pH: Yes 🗹 11. Does paperwork match bottle labels? (<2 or >12 unless noted) (Note discrepancies on chain of custody) Adjusted? No 🗀 12. Are matrices correctly identified on Chain of Custody? No 🗌 13. Is it clear what analyses were requested? Checked by: V No Yes 14. Were all holding times able to be met? (If no, notify customer for authorization.) Special Handling (if applicable) NA 🗹 No 🗌 Yes 🗌 15. Was client notified of all discrepancies with this order? Date: Person Notified: eMail Phone Fax In Person By Whom: Regarding: Client Instructions: 16. Additional remarks: Mailing address is missing on COC-TMC 1/31/24 17. Cooler Information Seal Date Signed By Seal Intact | Seal No Condition Cooler No Temp °C Yogi 4.6 Good Yes

С	hain-	of-Cu	stody Record	Turn-Around	Time:		HALL ENVIRONMEN				uТ	ΔI										
Client:	Hillor	e Fine	roy Company	Standard	□ Rush	1											OF					
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email or	Fay#	Samaia	tha. grabert Chilcofp.com	Project Mana	ger:			Analysis Re				-	50.00 mg	T					٦			
QA/QC F	Package:		□ Level 4 (Full Validation)	5. H)	rde		MTBE / TMB's (8021)	DRO/MRO)	PCB's		8270SIMS		CI, F. Br, NO3, NO2, PO4, SO4			Total Coliform (Present/Absent)						
Accredi		☐ Az Co☐ Other	mpliance	Sampler: A On Ice:	Thom!	SOA □ No yogi	1 TMB	I ~ I	Pesticides/8082	<u>Š</u>	5	S	3,40		(A)	(Prese				,		
□ EDD	(Type)_			# of Coolers:	Market V] #		cide	po	310	etal	₽		<u> [</u>	Ē						
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Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2401891	BTEX,	TPH:8015D(GRO	8081 F	EDB (Method 504.1)	PAHs by 8310	RCRA 8 Metals		8260 (VOA)	8270 (Semi-VOA)	Total C						
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Eurofins Environment Testing South Central, LLC 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

February 15, 2024

Samantha Grabert HILCORP ENERGY PO Box 4700 Farmington, NM 87499 TEL: (505) 564-0733

FAX:

RE: San Juan 28 6 Unit 102 N OrderNo.: 2402407

Dear Samantha Grabert:

Eurofins Environment Testing South Central, LLC received 12 sample(s) on 2/8/2024 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

andy

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 2/15/2024

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HILCORP ENERGY Client Sample ID: PH01@4'

 Project:
 San Juan 28 6 Unit 102 N
 Collection Date: 2/6/2024 10:50:00 AM

 Lab ID:
 2402407-001
 Matrix: SOIL
 Received Date: 2/8/2024 6:30:00 AM

Analyses	Result	RL (Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS					Analyst: JKU
Diesel Range Organics (DRO)	1600	95		mg/Kg	10	2/9/2024 10:45:50 AM
Motor Oil Range Organics (MRO)	ND	480	D	mg/Kg	10	2/9/2024 10:45:50 AM
Surr: DNOP	0	61.2-134	S	%Rec	10	2/9/2024 10:45:50 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	4400	95		mg/Kg	20	2/9/2024 11:47:05 PM
Surr: BFB	745	15-244	S	%Rec	20	2/9/2024 11:47:05 PM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	4.6	0.48		mg/Kg	20	2/9/2024 11:47:05 PM
Toluene	110	9.5		mg/Kg	200	2/12/2024 5:05:51 PM
Ethylbenzene	33	0.95		mg/Kg	20	2/9/2024 11:47:05 PM
Xylenes, Total	450	19		mg/Kg	200	2/12/2024 5:05:51 PM
Surr: 4-Bromofluorobenzene	119	39.1-146		%Rec	20	2/9/2024 11:47:05 PM
EPA METHOD 300.0: ANIONS						Analyst: RBC
Chloride	ND	60		mg/Kg	20	2/9/2024 2:01:52 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Date Reported: 2/15/2024

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HILCORP ENERGY Client Sample ID: PH01@8'

 Project:
 San Juan 28 6 Unit 102 N
 Collection Date: 2/6/2024 11:11:00 AM

 Lab ID:
 2402407-002
 Matrix: SOIL
 Received Date: 2/8/2024 6:30:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: JKU
Diesel Range Organics (DRO)	ND	9.1	mg/Kg	1	2/8/2024 4:59:39 PM
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	2/8/2024 4:59:39 PM
Surr: DNOP	84.7	61.2-134	%Rec	1	2/8/2024 4:59:39 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/10/2024 12:10:34 AM
Surr: BFB	111	15-244	%Rec	1	2/10/2024 12:10:34 AM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	2/10/2024 12:10:34 AM
Toluene	ND	0.049	mg/Kg	1	2/10/2024 12:10:34 AM
Ethylbenzene	ND	0.049	mg/Kg	1	2/10/2024 12:10:34 AM
Xylenes, Total	ND	0.098	mg/Kg	1	2/10/2024 12:10:34 AM
Surr: 4-Bromofluorobenzene	83.5	39.1-146	%Rec	1	2/10/2024 12:10:34 AM
EPA METHOD 300.0: ANIONS					Analyst: RBC
Chloride	ND	60	mg/Kg	20	2/9/2024 2:14:13 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Date Reported: 2/15/2024

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HILCORP ENERGY Client Sample ID: PH02@8'

 Project:
 San Juan 28 6 Unit 102 N
 Collection Date: 2/6/2024 3:40:00 PM

 Lab ID:
 2402407-003
 Matrix: SOIL
 Received Date: 2/8/2024 6:30:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: JKU
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	2/8/2024 5:11:51 PM
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	2/8/2024 5:11:51 PM
Surr: DNOP	85.8	61.2-134	%Rec	1	2/8/2024 5:11:51 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/10/2024 1:21:24 AM
Surr: BFB	95.7	15-244	%Rec	1	2/10/2024 1:21:24 AM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	2/10/2024 1:21:24 AM
Toluene	ND	0.049	mg/Kg	1	2/10/2024 1:21:24 AM
Ethylbenzene	ND	0.049	mg/Kg	1	2/10/2024 1:21:24 AM
Xylenes, Total	ND	0.098	mg/Kg	1	2/10/2024 1:21:24 AM
Surr: 4-Bromofluorobenzene	82.7	39.1-146	%Rec	1	2/10/2024 1:21:24 AM
EPA METHOD 300.0: ANIONS					Analyst: RBC
Chloride	ND	60	mg/Kg	20	2/9/2024 2:26:35 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Analytical Report

Lab Order **2402407**Date Reported: **2/15/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HILCORP ENERGY Client Sample ID: PH02@10'

 Project:
 San Juan 28 6 Unit 102 N
 Collection Date: 2/6/2024 3:50:00 PM

 Lab ID:
 2402407-004
 Matrix: SOIL
 Received Date: 2/8/2024 6:30:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: JKU
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	2/8/2024 5:23:57 PM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	2/8/2024 5:23:57 PM
Surr: DNOP	83.7	61.2-134	%Rec	1	2/8/2024 5:23:57 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	9.9	4.8	mg/Kg	1	2/10/2024 2:31:47 AM
Surr: BFB	152	15-244	%Rec	1	2/10/2024 2:31:47 AM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	2/10/2024 2:31:47 AM
Toluene	ND	0.048	mg/Kg	1	2/10/2024 2:31:47 AM
Ethylbenzene	ND	0.048	mg/Kg	1	2/10/2024 2:31:47 AM
Xylenes, Total	0.23	0.096	mg/Kg	1	2/10/2024 2:31:47 AM
Surr: 4-Bromofluorobenzene	86.9	39.1-146	%Rec	1	2/10/2024 2:31:47 AM
EPA METHOD 300.0: ANIONS					Analyst: RBC
Chloride	ND	60	mg/Kg	20	2/9/2024 3:03:36 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Date Reported: 2/15/2024

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HILCORP ENERGY Client Sample ID: PH03@6'

 Project:
 San Juan 28 6 Unit 102 N
 Collection Date: 2/6/2024 1:00:00 PM

 Lab ID:
 2402407-005
 Matrix: SOIL
 Received Date: 2/8/2024 6:30:00 AM

Analyses	Result	RL (Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS					Analyst: JKU
Diesel Range Organics (DRO)	1400	97		mg/Kg	10	2/9/2024 10:57:35 AM
Motor Oil Range Organics (MRO)	ND	480	D	mg/Kg	10	2/9/2024 10:57:35 AM
Surr: DNOP	0	61.2-134	S	%Rec	10	2/9/2024 10:57:35 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	3500	47		mg/Kg	10	2/10/2024 2:55:31 AM
Surr: BFB	1220	15-244	S	%Rec	10	2/10/2024 2:55:31 AM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	3.3	0.23		mg/Kg	10	2/10/2024 2:55:31 AM
Toluene	83	4.7		mg/Kg	100	2/12/2024 5:29:45 PM
Ethylbenzene	26	0.47		mg/Kg	10	2/10/2024 2:55:31 AM
Xylenes, Total	350	9.4		mg/Kg	100	2/12/2024 5:29:45 PM
Surr: 4-Bromofluorobenzene	140	39.1-146		%Rec	10	2/10/2024 2:55:31 AM
EPA METHOD 300.0: ANIONS						Analyst: RBC
Chloride	ND	60		mg/Kg	20	2/9/2024 11:48:58 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Date Reported: 2/15/2024

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HILCORP ENERGY Client Sample ID: PH03@14'

 Project:
 San Juan 28 6 Unit 102 N
 Collection Date: 2/6/2024 1:40:00 PM

 Lab ID:
 2402407-006
 Matrix: SOIL
 Received Date: 2/8/2024 6:30:00 AM

Result **RL Qual Units** DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: JKU Diesel Range Organics (DRO) ND 9.5 2/8/2024 5:47:56 PM mg/Kg 1 Motor Oil Range Organics (MRO) ND 1 2/8/2024 5:47:56 PM 48 mg/Kg Surr: DNOP 83.8 61.2-134 %Rec 1 2/8/2024 5:47:56 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: JJP Gasoline Range Organics (GRO) ND 4.9 mg/Kg 1 2/12/2024 6:10:21 PM Surr: BFB 1 2/12/2024 6:10:21 PM 118 15-244 %Rec **EPA METHOD 8021B: VOLATILES** Analyst: JJP Benzene ND 0.025 mg/Kg 1 2/10/2024 3:18:57 AM Toluene ND 0.049 mg/Kg 1 2/10/2024 3:18:57 AM Ethylbenzene 2/10/2024 3:18:57 AM ND 0.049 mg/Kg 1 Xylenes, Total ND 0.098 mg/Kg 1 2/10/2024 3:18:57 AM Surr: 4-Bromofluorobenzene 80.9 39.1-146 %Rec 1 2/10/2024 3:18:57 AM **EPA METHOD 300.0: ANIONS** Analyst: RBC Chloride ND 2/10/2024 12:01:18 AM 60 mg/Kg 20

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

CLIENT: HILCORP ENERGY

Analytical Report

Lab Order **2402407**Date Reported: **2/15/2024**

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: PH04@10'

 Project:
 San Juan 28 6 Unit 102 N
 Collection Date: 2/6/2024 2:15:00 PM

 Lab ID:
 2402407-007
 Matrix: SOIL
 Received Date: 2/8/2024 6:30:00 AM

Result **RL Qual Units** DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: JKU Diesel Range Organics (DRO) ND 9.3 2/8/2024 5:59:49 PM mg/Kg 1 Motor Oil Range Organics (MRO) ND 1 2/8/2024 5:59:49 PM 47 mg/Kg Surr: DNOP 79.0 61.2-134 %Rec 1 2/8/2024 5:59:49 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: JJP Gasoline Range Organics (GRO) ND 4.6 mg/Kg 1 2/10/2024 3:42:47 AM Surr: BFB 104 2/10/2024 3:42:47 AM 15-244 %Rec 1 **EPA METHOD 8021B: VOLATILES** Analyst: JJP Benzene ND 0.023 mg/Kg 1 2/10/2024 3:42:47 AM Toluene ND 0.046 mg/Kg 1 2/10/2024 3:42:47 AM Ethylbenzene 2/10/2024 3:42:47 AM ND 0.046 mg/Kg 1 Xylenes, Total ND 0.092 mg/Kg 1 2/10/2024 3:42:47 AM 2/10/2024 3:42:47 AM Surr: 4-Bromofluorobenzene 82.3 39.1-146 %Rec 1 **EPA METHOD 300.0: ANIONS** Analyst: RBC Chloride ND 2/10/2024 12:13:39 AM 60 mg/Kg 20

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Date Reported: 2/15/2024

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HILCORP ENERGY Client Sample ID: PH04@12'

 Project:
 San Juan 28 6 Unit 102 N
 Collection Date: 2/6/2024 2:20:00 PM

 Lab ID:
 2402407-008
 Matrix: SOIL
 Received Date: 2/8/2024 6:30:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst: JKU
Diesel Range Organics (DRO)	ND	9.0	mg/Kg	1	2/8/2024 6:11:42 PM
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	2/8/2024 6:11:42 PM
Surr: DNOP	86.5	61.2-134	%Rec	1	2/8/2024 6:11:42 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/10/2024 4:06:10 AM
Surr: BFB	101	15-244	%Rec	1	2/10/2024 4:06:10 AM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	2/10/2024 4:06:10 AM
Toluene	ND	0.049	mg/Kg	1	2/10/2024 4:06:10 AM
Ethylbenzene	ND	0.049	mg/Kg	1	2/10/2024 4:06:10 AM
Xylenes, Total	ND	0.098	mg/Kg	1	2/10/2024 4:06:10 AM
Surr: 4-Bromofluorobenzene	84.1	39.1-146	%Rec	1	2/10/2024 4:06:10 AM
EPA METHOD 300.0: ANIONS					Analyst: RBC
Chloride	ND	59	mg/Kg	20	2/10/2024 12:26:00 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Date Reported: 2/15/2024

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HILCORP ENERGY Client Sample ID: PH05@4'

 Project:
 San Juan 28 6 Unit 102 N
 Collection Date: 2/6/2024 2:40:00 PM

 Lab ID:
 2402407-009
 Matrix: SOIL
 Received Date: 2/8/2024 6:30:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS				Analyst: JKU	
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	2/8/2024 6:23:38 PM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	2/8/2024 6:23:38 PM
Surr: DNOP	84.4	61.2-134	%Rec	1	2/8/2024 6:23:38 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	2/10/2024 4:29:56 AM
Surr: BFB	97.1	15-244	%Rec	1	2/10/2024 4:29:56 AM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	2/10/2024 4:29:56 AM
Toluene	ND	0.047	mg/Kg	1	2/10/2024 4:29:56 AM
Ethylbenzene	ND	0.047	mg/Kg	1	2/10/2024 4:29:56 AM
Xylenes, Total	ND	0.095	mg/Kg	1	2/10/2024 4:29:56 AM
Surr: 4-Bromofluorobenzene	81.4	39.1-146	%Rec	1	2/10/2024 4:29:56 AM
EPA METHOD 300.0: ANIONS					Analyst: RBC
Chloride	ND	60	mg/Kg	20	2/10/2024 1:03:01 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Analytical Report

Lab Order **2402407**Date Reported: **2/15/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HILCORP ENERGY Client Sample ID: PH05@11'

 Project:
 San Juan 28 6 Unit 102 N
 Collection Date: 2/6/2024 3:00:00 PM

 Lab ID:
 2402407-010
 Matrix: SOIL
 Received Date: 2/8/2024 6:30:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	RGANICS				Analyst: JKU
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	2/8/2024 6:47:14 PM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	2/8/2024 6:47:14 PM
Surr: DNOP	87.4	61.2-134	%Rec	1	2/8/2024 6:47:14 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	2/10/2024 4:53:24 AM
Surr: BFB	97.9	15-244	%Rec	1	2/10/2024 4:53:24 AM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	2/10/2024 4:53:24 AM
Toluene	ND	0.047	mg/Kg	1	2/10/2024 4:53:24 AM
Ethylbenzene	ND	0.047	mg/Kg	1	2/10/2024 4:53:24 AM
Xylenes, Total	ND	0.094	mg/Kg	1	2/10/2024 4:53:24 AM
Surr: 4-Bromofluorobenzene	82.9	39.1-146	%Rec	1	2/10/2024 4:53:24 AM
EPA METHOD 300.0: ANIONS					Analyst: RBC
Chloride	ND	60	mg/Kg	20	2/10/2024 1:15:23 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Analytical Report

Lab Order **2402407**Date Reported: **2/15/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HILCORP ENERGY Client Sample ID: PH06@6'

 Project:
 San Juan 28 6 Unit 102 N
 Collection Date: 2/6/2024 3:15:00 PM

 Lab ID:
 2402407-011
 Matrix: SOIL
 Received Date: 2/8/2024 6:30:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OF	RGANICS				Analyst: JKU
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	2/8/2024 6:59:06 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/8/2024 6:59:06 PM
Surr: DNOP	83.5	61.2-134	%Rec	1	2/8/2024 6:59:06 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/10/2024 5:40:31 AM
Surr: BFB	98.4	15-244	%Rec	1	2/10/2024 5:40:31 AM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	2/10/2024 5:40:31 AM
Toluene	ND	0.049	mg/Kg	1	2/10/2024 5:40:31 AM
Ethylbenzene	ND	0.049	mg/Kg	1	2/10/2024 5:40:31 AM
Xylenes, Total	ND	0.097	mg/Kg	1	2/10/2024 5:40:31 AM
Surr: 4-Bromofluorobenzene	83.7	39.1-146	%Rec	1	2/10/2024 5:40:31 AM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	2/12/2024 10:30:59 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Analytical Report Lab Order 2402407

Date Reported: 2/15/2024

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HILCORP ENERGY Client Sample ID: PH06@10'

 Project:
 San Juan 28 6 Unit 102 N
 Collection Date: 2/6/2024 3:21:00 PM

 Lab ID:
 2402407-012
 Matrix: SOIL
 Received Date: 2/8/2024 6:30:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: JKU
Diesel Range Organics (DRO)	ND	9.1	mg/Kg	1	2/8/2024 7:10:54 PM
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	2/8/2024 7:10:54 PM
Surr: DNOP	81.4	61.2-134	%Rec	1	2/8/2024 7:10:54 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/10/2024 6:04:20 AM
Surr: BFB	95.8	15-244	%Rec	1	2/10/2024 6:04:20 AM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	2/10/2024 6:04:20 AM
Toluene	ND	0.048	mg/Kg	1	2/10/2024 6:04:20 AM
Ethylbenzene	ND	0.048	mg/Kg	1	2/10/2024 6:04:20 AM
Xylenes, Total	ND	0.097	mg/Kg	1	2/10/2024 6:04:20 AM
Surr: 4-Bromofluorobenzene	81.9	39.1-146	%Rec	1	2/10/2024 6:04:20 AM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	2/12/2024 11:08:01 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: 2402407 15-Feb-24

Client:	HILCORP ENERGY
Project:	San Juan 28 6 Unit 102 N

Project:		Juan 28 6 Unit 102 N		
Sample ID:	MB-80358	SampType: MBLK	TestCode: EPA Method 300.0: Anions	
Client ID:	PBS	Batch ID: 80358	RunNo: 103010	
Prep Date:	2/9/2024	Analysis Date: 2/9/2024	SeqNo: 3807709 Units: mg/Kg	
Analyte		Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qua	al
Chloride		ND 1.5		
Sample ID:	LCS-80358	SampType: LCS	TestCode: EPA Method 300.0: Anions	
Client ID:	LCSS	Batch ID: 80358	RunNo: 103010	
Prep Date:	2/9/2024	Analysis Date: 2/9/2024	SeqNo: 3807710 Units: mg/Kg	
Analyte		Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qua	al
Chloride		14 1.5 15.00	0 94.4 90 110	
Sample ID:	MB-80378	SampType: MBLK	TestCode: EPA Method 300.0: Anions	
Client ID:	PBS	Batch ID: 80378	RunNo: 103011	
Prep Date:	2/9/2024	Analysis Date: 2/9/2024	SeqNo: 3807757 Units: mg/Kg	
Analyte		Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qua	al
Chloride		ND 1.5		
Sample ID:	LCS-80378	SampType: LCS	TestCode: EPA Method 300.0: Anions	
Client ID:	LCSS	Batch ID: 80378	RunNo: 103011	
Prep Date:	2/9/2024	Analysis Date: 2/9/2024	SeqNo: 3807758 Units: mg/Kg	
Analyte		Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qua	al
Chloride		14 1.5 15.00	0 95.0 90 110	
Sample ID:	MB-80392	SampType: MBLK	TestCode: EPA Method 300.0: Anions	
Client ID:	PBS	Batch ID: 80392	RunNo: 103039	
Prep Date:	2/12/2024	Analysis Date: 2/12/2024	SeqNo: 3808663 Units: mg/Kg	
Analyte		Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qua	al
Chloride		ND 1.5		
Sample ID:	LCS-80392	SampType: LCS	TestCode: EPA Method 300.0: Anions	
Client ID:	LCSS	Batch ID: 80392	RunNo: 103039	
Prep Date:	2/12/2024	Analysis Date: 2/12/2024	SeqNo: 3808664 Units: mg/Kg	
Analyte		Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qua	al
Chloride		14 1.5 15.00	0 94.4 90 110	

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: 2402407 15-Feb-24

Client: HILCORP ENERGY
Project: San Juan 28 6 Unit 102 N

Sample ID: 2402407-012AMS SampType: MS TestCode: EPA Method 300.0: Anions

Client ID: PH06@10' Batch ID: 80392 RunNo: 103039

Prep Date: 2/12/2024 Analysis Date: 2/12/2024 SeqNo: 3808669 Units: mg/Kg

PQL SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Qual Analyte Result LowLimit Chloride ND 60 30.00 0 0 50 150 S

Sample ID: 2402407-012AMSD SampType: MSD TestCode: EPA Method 300.0: Anions

Client ID: **PH06@10'** Batch ID: **80392** RunNo: **103039**

Prep Date: 2/12/2024 Analysis Date: 2/12/2024 SeqNo: 3808670 Units: mg/Kg

 Analyte
 Result
 PQL
 SPK value
 SPK Ref Val
 %REC
 LowLimit
 HighLimit
 %RPD
 RPDLimit
 Qual

 Chloride
 ND
 60
 30.00
 0
 0
 50
 150
 0
 20
 S

- Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: **2402407** *15-Feb-24*

Client: HILCORP ENERGY
Project: San Juan 28 6 Unit 102 N

Sample ID: MB-80343 Client ID: PBS	•	ype: ME			stCode: El		od 8015M/D: Diesel Range Organics					
Prep Date: 2/8/2024	Analysis D				SeqNo: 3		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Diesel Range Organics (DRO)	ND	10										
Motor Oil Range Organics (MRO)	ND	50										
Surr: DNOP	8.2		10.00		82.3	61.2	134					
Sample ID: LCS-80343	SampT	ype: LC	s	Tes	stCode: El	PA Method	8015M/D: Die	sel Range	Organics			
Client ID: LCSS	Batcl	n ID: 80 :	343	F	RunNo: 10	02974						
Prep Date: 2/8/2024	Analysis D)ate: 2/	8/2024	(SeqNo: 3	805740	Units: mg/K	g				

0

%REC

79.5

81.8

LowLimit

59.7

61.2

%RPD

HighLimit

135

134

RPDLimit

Qual

SPK value SPK Ref Val

50.00

5.000

PQL

10

40

4.1

Qualifiers:

Analyte

Surr: DNOP

Diesel Range Organics (DRO)

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: 2402407

15-Feb-24

Client: HILCORP ENERGY **Project:** San Juan 28 6 Unit 102 N

Sample ID: Ics-80341	SampT	ype: LC :	s	Tes	tCode: EF	PA Method	8015D: Gaso	line Range		
Client ID: LCSS	Batch	n ID: 80 3	341	F	RunNo: 1 (02999				
Prep Date: 2/8/2024	Analysis D	oate: 2/ 9	9/2024	SeqNo: 3807563 Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	105	70	130			
Surr: BFB	2100		1000		206	15	244			
Sample ID: mb-80341	SampT	уре: МВ	BLK	Tes	tCode: EF	PA Method	8015D: Gaso	line Range	,	
Client ID: PBS	Batch	n ID: 80 3	341	RunNo: 102999						

1		• •						_		
Client ID: PBS	Batch	n ID: 80 3	341	F	RunNo: 10	02999				
Prep Date: 2/8/2024	Analysis D	Date: 2/ 9	9/2024	9	SeqNo: 38	807565	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	950		1000		95.0	15	244			

Sample ID: 2402407-003ams	Samp1	уре: МЅ	3	TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PH02@8'	Batch	n ID: 80 3	341	F	RunNo: 102999					
Prep Date: 2/8/2024	Analysis D)ate: 2/	10/2024	SeqNo: 3807592 Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	4.8	24.20	0	106	70	130			
Surr: BFB	2100		968.1		214	15	244			

Sample ID: 2402407-003amsd	I Samp∃	SampType: MSD TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PH02@8'	Batc	h ID: 80 :	341	F	RunNo: 10	02999				
Prep Date: 2/8/2024	Analysis [Date: 2/	10/2024	5	SeqNo: 3	807593	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	4.8	24.15	0	108	70	130	2.27	20	
Surr: BFB	2100		966.2		220	15	244	0	0	

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: **2402407**

15-Feb-24

Client: HILCORP ENERGY
Project: San Juan 28 6 Unit 102 N

Sample ID: LCS-80341	Samp ⁻	Гуре: LC :	S	Tes	TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batc	h ID: 80 3	341	F	RunNo: 10	02999					
Prep Date: 2/8/2024	Analysis [Date: 2/ 9	9/2024	SeqNo: 3807616 Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	0.84	0.025	1.000	0	83.7	70	130				
Toluene	0.85	0.050	1.000	0	85.4	70	130				
Ethylbenzene	0.87	0.050	1.000	0	86.9	70	130				
Xylenes, Total	2.6	0.10	3.000	0	87.4	70	130				
Surr: 4-Bromofluorobenzene	0.86		1.000		86.4	39.1	146				

Sample ID: mb-80341	SampT	Гуре: МВ	BLK	Tes						
Client ID: PBS	Batch	h ID: 80 3	341	F	RunNo: 10					
Prep Date: 2/8/2024	Analysis D	Date: 2/ 9	9/2024	9	SeqNo: 38	307618	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.84		1.000		83.7	39.1	146			

Sample ID: 2402407-002ams	SampT	ype: MS		Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: PH01@8'	Batch	n ID: 803	341	F	RunNo: 10	02999				
Prep Date: 2/8/2024	Analysis D)ate: 2/ 1	10/2024	5	SeqNo: 38	307644	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.76	0.024	0.9709	0	78.1	70	130			
Toluene	0.79	0.049	0.9709	0.01417	79.8	70	130			
Ethylbenzene	0.80	0.049	0.9709	0.01329	81.4	70	130			
Xylenes, Total	2.4	0.097	2.913	0.02854	82.5	70	130			
Surr: 4-Bromofluorobenzene	0.82		0.9709		84.4	39.1	146			

Sample ID: 2402407-002amsd	SampT	ype: MS	D	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: PH01@8'	Batch	n ID: 803	341	F	RunNo: 10	02999				
Prep Date: 2/8/2024	Analysis D)ate: 2/	10/2024	5	SeqNo: 38	307645	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.78	0.024	0.9699	0	80.3	70	130	2.63	20	
Toluene	0.82	0.048	0.9699	0.01417	82.7	70	130	3.42	20	
Ethylbenzene	0.82	0.048	0.9699	0.01329	83.2	70	130	2.11	20	
Xylenes, Total	2.5	0.097	2.910	0.02854	84.3	70	130	2.02	20	
Surr: 4-Bromofluorobenzene	0.82		0.9699		84.3	39.1	146	0	0	

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Environment Testin

Eurofins Environment Testing South Central, LLC 4901 Hawkins NE

Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Sample Log-In Check List

Released to Imaging: 5/1/2024 1:06:48 PM

	Website: www.ha	llenvir	onme	ntal.com		
Client Name: Hilcorp Energy	Work Order Number:	2402	2407		RcptNo:	1
Received By: Tracy Casarrubias	2/8/2024 6:30:00 AM					
Completed By: Tracy Casarrubias	2/8/2024 7:51:55 AM					
Reviewed By: # 2-8-24						
Chain of Custody						
Is Chain of Custody complete?		Yes		No 🗹	Not Present	
2. How was the sample delivered?		Cou	<u>rier</u>			
Log In 3. Was an attempt made to cool the samples?		Yes	V	No 🗌	NA 🗆	
o. Was an attempt made to cool the samples:		163	12.1	110	70.	
4. Were all samples received at a temperature of	>0° C to 6.0°C	Yes	V	No 🗌	NA 🗆	
5. Sample(s) in proper container(s)?		Yes	~	No 🗔		
Sufficient sample volume for indicated test(s)?		Yes	V	No 🗌		
7. Are samples (except VOA and ONG) properly			V	No 🗌		
8. Was preservative added to bottles?	•	Yes		No 🔽	NA 🗌	
			_			/
9. Received at least 1 vial with headspace <1/4"		Yes		No 🗔	NA 🗹	
Were any sample containers received broken	?	Yes		No 🗹	# of preserved	
11. Does paperwork match bottle labels?		Yes	V	No 🗆	bottles checked for pH:	
(Note discrepancies on chain of custody)				_	/	>12 unless noted)
12. Are matrices correctly identified on Chain of C	ustody?		V	No 📙	Adjusted?	
13. Is it clear what analyses were requested?			V	No 🗔	Checked by:	200 ala1
14. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes	V	No 🗀	/ Checked by.	2401
Special Handling (if applicable)	·	V		No 🗔	NA 🗹	
15. Was client notified of all discrepancies with th	is order?	Yes		No 🗔	NA 🖭	
Person Notified:	Date:	_				
By Whom:	Via:	_ eMa	ail	Phone Fax	In Person	
Regarding: Client Instructions:						
,						
16. Additional remarks:		01010				
Mailing address and phone number are	missing on COC- IMC	218124	+			
17. Cooler Information Cooler No Temp °C Condition Sea	Il Intact Seal No S	eal D	ate	Signed By		
1 3.0 Good Yes	Yogi			1		

C	hain	ot-Cu	istody Record] i urn-/	Arouna L	-day					н	IAI		FI	NV	TE	20	NM	4E	NT	AI	
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Phone 7	<u>.</u>			-				1600	Tel. 505-345-3975 Fax 505-345-4107 Analysis Request									100				
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✓ Stan	•		☐ Level 4 (Full Validation)	1540	1917	ПЛОС		8) s	1/0	PCB's		SSIN		g			¥					
Accredi	tation:	□ Az Co	mpliance	Samp	ler: 🏄	+1 Thoms	ion	BTEX / MTBE / TMB's (8021)	/ DRO / MRO)	8081 Pesticides/8082	=	8270SIMS		CI, F, Br, NOS, NOS, PO4, SO4			Total Coliform (Present/Absent)					
□ NEL		□ Other		On Ice		⊠ Yes	□ No yog	I Ŧ		8/se	[2]	히	<u>.s</u>	4		OA)	(P					
□ EDD	(Type)_				oolers:		1-0.1=3.0 (°C)	臣	TPH:8015D(GRO	licid	EDB (Method 504.1)	PAHs by 8310	RCRA 8 Metals	2	8	8270 (Semi-VOA)	form					
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				Conta		Preservative	HEAL No.	<u>英</u>	H:8	93	DB (뫔	8	4	8260 (VOA)	270	otal					
Date 2-6			Sample Name		and #	Туре	2402407	-	E	<u></u>	픠	<u> </u>	꼰	욍	8	8	片	\dashv	\dashv	\dashv	+	+
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APPENDIX D

Photographic Log



Photographic Log

Hilcorp San Juan 28-6 Unit 102N



Photograph: 1 Date: 1/29/2024

Description: Surface Staining View: Northwest



Photograph: 2 Date: 2/6/2024

Description: PH03 Adjacent to BGT

View: West



Photograph: 3 Date: 2/6/2024

Description: Staining in Pothole PH01

View: Northeast



Photograph: 4 Date: 2/6/2024

Description: Potholing activities

View: West

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

QUESTIONS

Action 338122

QUESTIONS

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	338122
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2403034973
Incident Name	NAPP2403034973 SAN JUAN 28-6 UNIT 102N @ 30-039-27600
Incident Type	Oil Release
Incident Status	Remediation Plan Received
Incident Well	[30-039-27600] SAN JUAN 28 6 UNIT #102N

Location of Release Source						
Please answer all the questions in this group.						
Site Name	San Juan 28-6 Unit 102N					
Date Release Discovered	01/29/2024					
Surface Owner	Federal					

Incident Details	ncident 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	No						
Has this release endangered or does it have a reasonable probability of endangering public health	No						
Has this release substantially damaged or will it substantially damage property or the environment	No						
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No						

Nature and Volume of Release					
Material(s) released, please answer all that apply below. Any calculations or specific justifications fo	or 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	No				
Condensate Released (bbls) Details	Cause: Corrosion Production Tank Condensate Released: 42 BBL Recovered: 0 BBL Lost: 42 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.				

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QUESTIONS, Page 2

Action 338122

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QUESTIONS (continued)					
Operator: HILCORP ENERGY COMPANY	OGRID: 372171				
1111 Travis Street Houston, TX 77002	Action Number: 338122				
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)				
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.				

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.

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.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 safety hazard that would result in injury.
The source of the release has been stopped

True

The responsible party must undertake the following actions immediately unless they could create a safety 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

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices

All free liquids and recoverable materials have been removed and managed appropriately

If all the actions described above have not been undertaken, explain why

N/A

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation 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.

Name: Stuart Hyde
Title: Senior Geologist
Email: shyde@ensolum.com
Date: 04/26/2024

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QUESTIONS, Page 3

Action 338122

QUESTIONS (continued)

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	338122
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

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 100 and 500 (ft.)	
What method was used to determine the depth to ground water	NM OSE iWaters Database Search	
Did this release impact groundwater or surface water	No	
What is the minimum distance, between the closest lateral extents of the release ar	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 1 and 5 (mi.)	
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 1 and 5 (mi.)	
Any other fresh water well or spring	Between 1 and 5 (mi.)	
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 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 ½ and 1 (mi.)	
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 b	be provided to the appropriate district office no later than 90 days after the release discovery date.
Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil	contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.
Have the lateral and vertical extents of contamination been fully deline	pated Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for	r each, in milligrams per kilograms.)
Chloride (EPA 300.0 or SM4500 Cl B)	0
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	9100
GRO+DRO (EPA SW-846 Method 8015M)	9100
BTEX (EPA SW-846 Method 8021B or 8260	DB) 787.8
Benzene (EPA SW-846 Method 8021B or 8260	0B) 4.6
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report inclu which includes the anticipated timelines for beginning and completing the remediat	des completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, tion.
On what estimated date will the remediation commence	01/30/2024
On what date will (or did) the final sampling or liner inspection occur	02/06/2024
On what date will (or was) the remediation complete(d)	02/06/2024
What is the estimated surface area (in square feet) that will be reclaim	med 0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remedi	iated 2000
What is the estimated volume (in cubic yards) that will be remediated	600
These estimated dates and measurements are recognized to be the best guess or ca	alculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.
The OCD recognizes that proposed remediation measures may have to be minimally	ly 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.

District I

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

QUESTIONS, Page 4

Action 338122

QUESTIONS (continued)

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	338122
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

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.		
his remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:		
(Select all answers below that apply.)		
No		
Yes		
Not answered.		
30-039-27600 SAN JUAN 28 6 UNIT #102N		
No		
Not answered.		

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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.

Name: Stuart Hyde
Title: Senior Geologist
Email: shyde@ensolum.com
Date: 04/26/2024

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.

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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 338122

QUESTIONS (continued)		
Operator:	OGRID:	
HILCORP ENERGY COMPANY	372171	
1111 Travis Street	Action Number:	
Houston, TX 77002	338122	
	Action Type:	
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	

OUESTIONS

QUESTIONS	
Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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

QUESTIONS, Page 6

Action 338122

QUESTIONS (continued)

_		
(Operator:	OGRID:
	HILCORP ENERGY COMPANY	372171
	1111 Travis Street	Action Number:
	Houston, TX 77002	338122
		Action Type:
1		[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	311202
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/06/2024
What was the (estimated) number of samples that were to be gathered	20
What was the sampling surface area in square feet	30000

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	No

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

CONDITIONS

Action 338122

CONDITIONS

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	338122
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Remediation plan is approved under the following conditions; 1. Once treated stockpiles have been sampled and properly disposed, vadose zone beneath treated stockpile must be sampled by collecting, at a minimum, five (5)-point composite samples (5pcs). Sampling depths should be from grade to a maximum of one (1) foot below grade, sampling area of treated soil locations should be no more than 1,500 square feet (ft.) per one(1) 5pcs, and meet the applicable closure standards. 2. Any soils used in the top four (4) ft. from grade must meet the reclamation standards of 100 mg/Kg for TPH per US EPA Method 8015M, 10 mg/Kg for benzene, and 50 mg/Kg for benzene, toluene, ethylbenzene, and total xylenes (BTEX) per US EPA Methods 8021 or 8260B. 3. Western Refining Pipeline has 90 days (July 30, 2024) to initiate the soil shredding process. 4. Western Refining Pipeline has 180 days (October 28, 2024) to submit to OCD its appropriate or final remediation closure report.	5/1/2024