ENSOLUM

May 11, 2026

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

Re: Remediation Work Plan
Federal 1-30
Hilcorp Energy Company
NMOCD Incident No: nAPP2604330316

To Whom it May Concern:

Ensolum, LLC (Ensolum), on behalf of Hilcorp Energy Company (Hilcorp), presents this *Remediation Work Plan* (Work Plan) for a release originating at the Federal 1-30 natural gas production well (Site). The Site is located on federal land managed by the Bureau of Land Management (BLM) in within Unit G of Section 30, Township 32 North, Range 13 West, San Juan County, New Mexico (Figure 1). This Work Plan includes a summary of delineation activities performed at the Site, the proposed remediation of impacted soil originating from the release, proposed soil remediation and reclamation activities, and corrective actions to prevent future releases.

SITE BACKGROUND

On February 11, 2026, Hilcorp Energy Company personnel discovered a release of approximately 4.63 barrels (bbls) of produced water and 1,700 thousand cubic feet (mcf) of natural gas at the Site. The release occurred when an operator returned the Mountain Ute Gas Com F 1 well to production and inadvertently opened an incorrect dog leg flowline that was believed to be tied to the active well but was instead connected to a plugged and abandoned well (Federal 1-30) located approximately 3,600 feet east-southeast. Produced fluids and gas traveled through the line and discharged from an open-ended pipeline located immediately below ground surface onto the former Federal 1-30 well pad. The release was identified at approximately 11:30 a.m. MT, at which time the line segment was immediately shut-in and isolated. The released fluids infiltrated the shallow subsurface and could not be recovered, resulting in an approximately 1,300-square-foot area of impacted soil and vegetation. No injuries occurred during the incident.

Hilcorp notified the BLM Farmington Field Office (FFO) of the event via email on February 12, 2026. Due to internal BLM coordination to determine the lead field office (Tres Rios or FFO), the Major Undesirable Event (MUE) Report was subsequently submitted via AFMSS to the BLM Tres Rios Field Office on February 19, 2026. In addition, notifications were completed on February 12, 2026, to the Ute Mountain Ute Tribe via email and to the New Mexico Oil Conservation Division (NMOCD) via OCD Online. The Site has been assigned NMOCD Incident Number nAPP2604330316.

SITE CHARACTERIZATION

As part of the Site investigation, 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.

REGIONAL GEOLOGY AND HYDROGEOLOGY

The Site is underlain by the Cliff House Sandstone, a Late Cretaceous, coastal marine sandstone within the Mesaverde Group (Stone, et. al., 1983). The unit consists predominantly of very fine- to fine-grained sandstone with subarkosic composition and is considered relatively immature. The Cliff House Sandstone is stratigraphically complex, commonly intertonguing with the underlying Menefee Formation and overlying Lewis Shale, resulting in laterally and vertically heterogeneous units. Thickness of the unit generally ranges from approximately 20 to 245 feet but can locally exceed 800 feet.

Hydrogeologically, the Cliff House Sandstone exhibits relatively low permeability and variable transmissivity, with groundwater flow strongly influenced by stratigraphic variability, bedding, and localized higher-permeability zones. Groundwater within the unit is typically of poor quality, with elevated dissolved solids concentrations that increase with depth and along flow paths (Stone, et. al., 1983).

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 a dry wash located approximately 527 feet south of the well pad. The nearest fresh water well is NMOSE permitted well SJ-01285 (Appendix A), located approximately 8,683 feet east of the Site with a recorded depth to water of 110 feet below ground surface (bgs).

The Site is greater than 200 feet from any lakebed, sinkhole, or playa lake, and greater than 300 feet from any wetland (Figure 1). No wellhead protection areas, springs, or domestic/stock wells are located within a ½-mile from the Site (Figure 1). The Site is not within a 100-year floodplain, overlying a subsurface mine, or located within an area underlain by unstable geology. 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, in accordance with the *Table I, Closure Criteria for Soils Impacted by a Release* (19.15.29.12 NMAC), and the NMOCD reclamation standards required for the top four feet in the vadose zone, 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):

100 mg/kg

- Chloride: 600 mg/kg

DELINEATION AND SOIL SAMPLING ACTIVITIES

Upon discovery of the release, Hilcorp retained Ensolum to conduct hand auger delineation activities on March 4, 2026. Representatives from Hilcorp and the BLM were onsite during the investigation. In total, two hand auger boreholes (HA01 and HA02) were advanced at the Site to depths of up to approximately 1-foot bgs, where refusal was encountered on bedrock. Additionally, nine surface samples were collected from ground surface to depths of up to 0.5 feet bgs (Figure 2). Boreholes HA01 and HA02, along with surface samples SS01 and SS02, were advanced within the release extent to assess the vertical extent of potential impacts and characterize soils with the greatest potential impact. Surface samples SS03 through SS09 were collected to delineate the lateral extent of potential impacts resulting from the release.

During delineation activities, Ensolum personnel logged soil lithology and field screened for the presence of volatile organic compounds (VOCs) using a calibrated photoionization detector (PID). Soil descriptions and field screening results were recorded in the field book. Photographs taken during delineation activities are provided in Appendix B, and PID field screening results are included in Table 1.

Two soil samples were collected from each hand auger borehole to delineate the vertical extent of impacts at the Site: one from the surface interval and one from the terminus of each borehole. Samples were collected directly into laboratory-provided jars and immediately placed on ice. Samples were submitted to Envirotech Analytical Laboratory (Envirotech) for analysis of BTEX following United States Environmental Protection Agency (EPA) Method 8021B, TPH following Method 8015M/D, and chloride following EPA Method 300.0.

DELINEATION AND SOIL SAMPLING RESULTS

In general, Site lithology consisted of sand and silty sand from the ground surface to depths of up to 1-foot bgs, underlain by the indurated Cliff House Sandstone. Based on laboratory analytical results, elevated concentrations of total BTEX and TPH were identified in soil samples collected within the visible release extent. Specifically, total BTEX concentrations of up to 757.4 mg/kg and total TPH concentrations of up to 13,970 mg/kg were reported in samples HA01@0–0.5' and HA01@1', respectively. Chloride concentrations also exceeded the NMOCD Closure Criteria at HA01@1', with a maximum reported concentration of 893 mg/kg. In addition, a TPH exceedance was identified in surface sample SS02 (252 mg/kg), indicating minor impacts outside the primary source area.

In contrast, BTEX, TPH, and chloride were either not detected above laboratory reporting limits or were below applicable Closure Criteria in the remaining analyzed samples. One background sample (BR01) was collected and did not exhibit detections above laboratory reporting limits. A summary of analytical results is presented in Table 1 with sample locations depicted on Figure 2. Complete laboratory reports are provided in Appendix C.

REMEDIATION WORK PLAN

Based on the soil sampling results described above, impacted soil at the Site is estimated to be present from ground surface to a depth of approximately 1-foot bgs, except at the point of release where impacts are anticipated to extend to the depth of the pipeline at approximately 4 feet bgs. Analytical results further indicate that impacted soil is generally limited to areas within and immediately surrounding the visibly impacted area, which encompasses approximately

1,300 square feet. Based on these assumptions, the total volume of impacted soil at the Site is estimated to be approximately 100 cubic yards.

Hilcorp proposes to excavate impacted soil at the Site to achieve NMOCD Closure Criteria. Soil will be excavated and transported off-Site for treatment at an Envirotech landfarm in San Juan County, New Mexico. Once field screening indicates impacted soil has been removed, 5-point composite soil samples will be collected at least every 200 square feet from the floor and sidewalls of the excavation. The 5-point composite samples will be collected by placing five equivalent aliquots of soil into a resealable plastic bag and homogenizing the samples by thoroughly mixing. Soil samples will be submitted to Envirotech for analysis in TPH, BTEX, and chloride using the methods described above.

Hilcorp will complete the excavation and soil sampling activities within 90 days of the date of approval of this Work Plan by the NMOCD and approval from the BLM. A *Closure Request* will be submitted within 60 days of receipt of final laboratory analytical results.

REFERENCES

Stone, W., Lyford, F., Frenzel, P., Mizell, N., & Padgett, E. (1983). Hydrogeology and Water Resources of San Juan Basin, New Mexico. New Mexico Bureau of Mines & Mineral Resources.

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

Sincerely,
Ensolum, LLC

Osgood Froelich
Staff Scientist
(415) 747-9186
ofroelich@ensolum.com

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

Cc: BLM-FFO
Ute Mtn. Ute

Attachments:

Figure 1: Site Receptor Map
Figure 2: Delineation Soil Sample Locations

Table 1: Soil Sample Analytical Results

Appendix A: Depth to Water Determination
Appendix B: Photographic Log
Appendix C: Laboratory Analytical Reports

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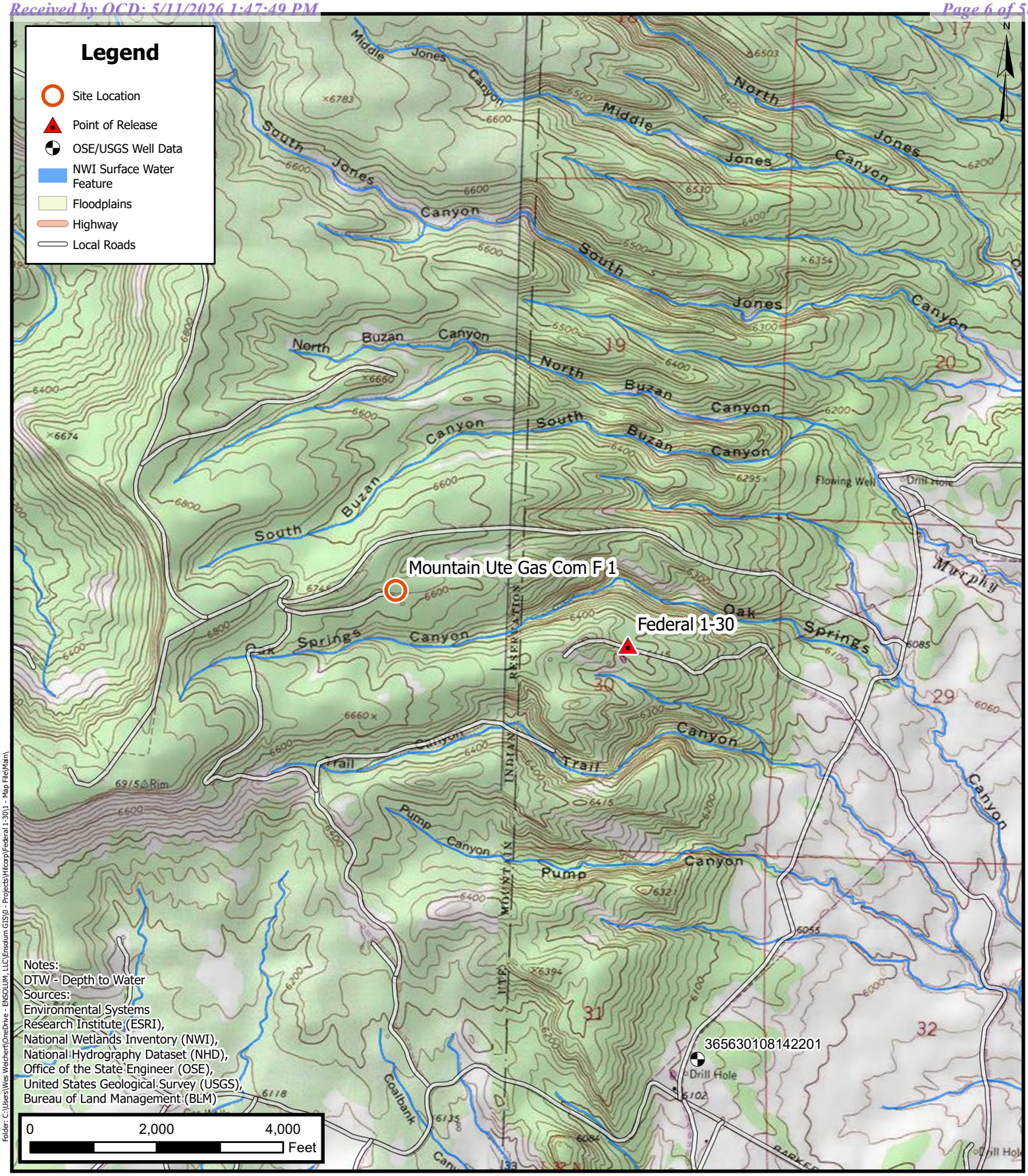
FIGURES



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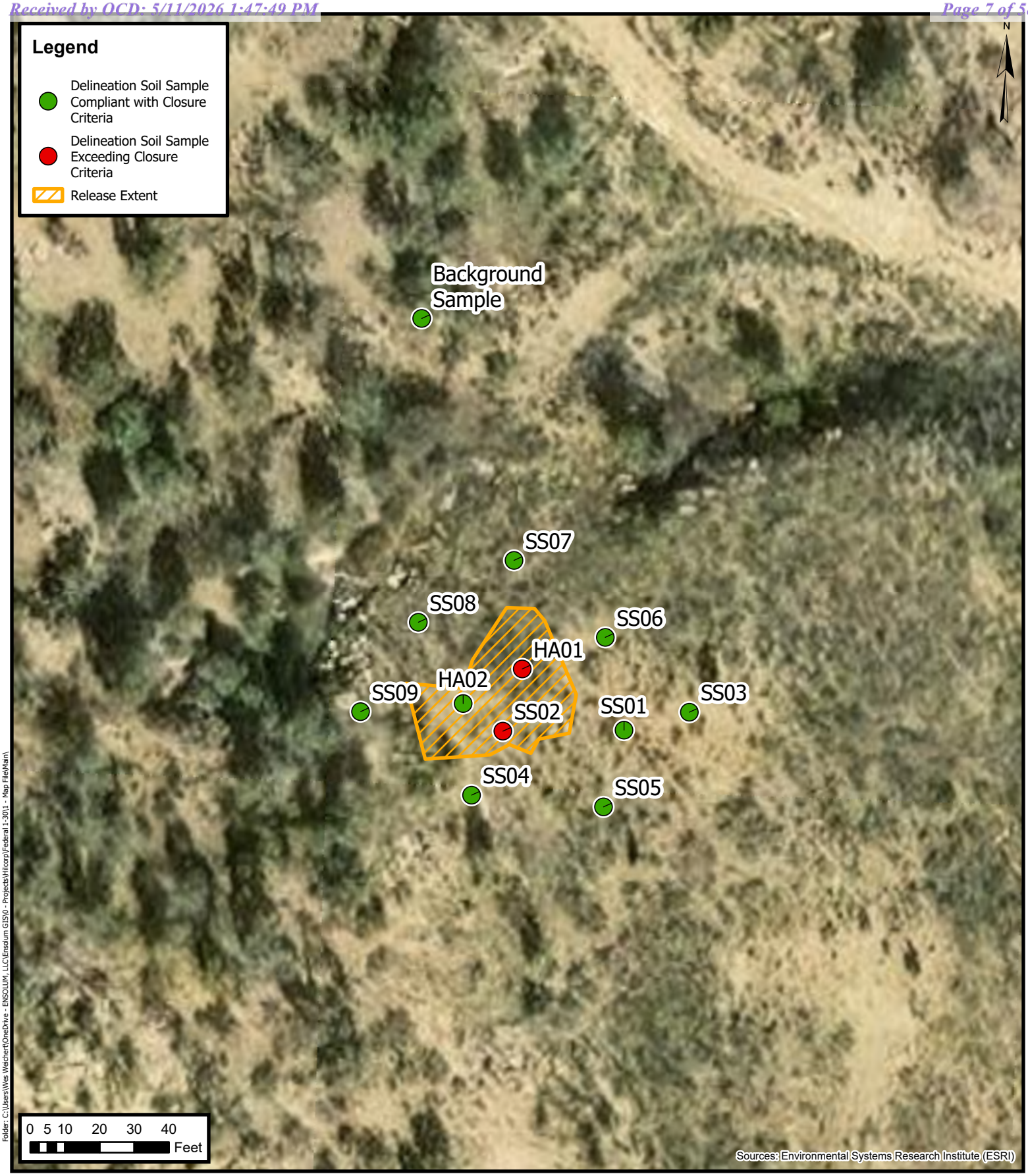
Environmental, Engineering and Hydrogeologic Consultants

Site Receptor Map

Hilcorp Energy Company
Federal 1-30
Incident Number: nAPP2604330316
36.9595642, -108.2440033
San Juan County, New Mexico

FIGURE 1



Folder: C:\Users\Wes Welchert\OneDrive - ENSOLUM, LLC\Ensolum GIS\0 - Projects\Hilcorp\Federal 1-30\1 - Map File\Main\

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

Delineation Soil Sample Locations

Hilcorp Energy Company
Federal 1-30
Incident Number: nAPP2604330316
36.9595642, -108.2440033
San Juan County, New Mexico

FIGURE 2

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TABLES

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TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
Federal 1-30
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)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Closure Criteria for Soils Impacted by a Release			NE	**10**	NE	NE	NE	**50**	NE	NE	NE	**100**	**600**
Delineation Samples													
HA01@0-0.5'	3/4/2026	0 - 0.5	3,141	**11.5**	248	47.9	450	**757.4**	4,510	7,850	<50.0	**12,360**	549
HA01@1'	3/4/2026	1	2,918	3.02	106	29.4	287	**425.42**	2,870	11,100	<50.0	**13,970**	**893**
HA02@0-0.25'	3/4/2026	0 - 0.25	32.7	<0.0250	0.0343	<0.0250	<0.0250	0.0343	<20.0	74.9	<50.0	74.9	31.2
HA02@0.5'	3/4/2026	0.5	59.3	<0.0250	0.0308	<0.0250	0.134	0.1648	<20.0	<25.0	<50.0	<50.0	38.6
SS01	3/4/2026	0 - 0.5	233	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<20.0
SS02	3/4/2026	0 - 0.5	27.8	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	252	<50.0	**252**	167
SS03	3/4/2026	0 - 0.5	1.2	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<20.0
SS04	3/4/2026	0 - 0.5	5.2	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<20.0
SS05	3/4/2026	0 - 0.5	4.2	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<20.0
SS06	3/4/2026	0 - 0.5	4.1	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<20.0
SS07	3/4/2026	0 - 0.5	3	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<20.0
SS08	3/4/2026	0 - 0.5	2.7	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<20.0
SS09	3/4/2026	0 - 0.5	1.3	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<20.0
Background Sample													
BR01	3/4/2026	0 - 0.5	3.6	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<20.0

Notes:

bgs: Below ground surface
BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes
mg/kg: Milligrams per kilogram
NA: Not Analyzed
NE: Not Established
NMOCD: New Mexico Oil Conservation Division
PID: Photoionization detector
ppm: Parts per million
GRO: Gasoline Range Organics
DRO: Diesel Range Organics
MRO: Motor Oil/Lube Oil Range Organics
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 represents soil sample areas that have been excavated

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APPENDIX A

DEPTH TO WATER DETERMINATION

TRN 226199

Revised June 1972

STATE ENGINEER OFFICE

WELL RECORD

Section 1. GENERAL INFORMATION

(A) Owner of well Black Diamond Coal Company Owner's Well No. PC-1
Street or Post Office Address 12700 Park Central Place, Suite 1304
City and State Dallas, Texas 75251

Well was drilled under Permit No. SJ-1285 and is located in the:

a. ____ ¼ SE ¼ NW ¼ SW ¼ of Section 28 Township 32N Range 13W N.M.P.M.

b. Tract No. ____ of Map No. ____ of the ____

c. Lot No. ____ of Block No. ____ of the ____
Subdivision, recorded in ____ County.

d. X= ____ feet, Y= ____ feet, N.M. Coordinate System ____ Zone in the ____ Grant.

(B) Drilling Contractor Rodgers & Company, Inc. License No. WD-225

Address 2615 Isleta Blvd. S.W., Albuquerque, New Mexico, 87105

Drilling Began 7/4/80 Completed 7/18/80 Type tools Rotary Size of hole 7 7/8 in.

Elevation of land surface or ____ at well is 6040 ft. Total depth of well 625 ft.

Completed well is [X] shallow [ ] artesian. Depth to water upon completion of well 110 ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet From	Depth in Feet To	Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
437	625	188	Pictured Cliffs Sandstone	<1 gpm

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet Top	Depth in Feet Bottom	Length (feet)	Type of Shoe	Perforations From	Perforations To

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet From	Depth in Feet To	Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement

Section 5. PLUGGING RECORD

Plugging Contractor ____
Address ____
Plugging Method ____
Date Well Plugged ____
Plugging approved by: ____ State Engineer Representative

No.	Depth in Feet Top	Depth in Feet Bottom	Cubic Feet of Cement
1			
2			
3			
4			

FOR USE OF STATE ENGINEER ONLY

Date Received

Quad ____ FWL ____ FSL ____

File No. ____ Use ____ Location No. ____

88 JAN 8 AM 10 OFFICE DISTRICT ALBUQUERQUE, N. MEX.

Section 6. LOG OF HOLE

Depth in Feet From	Depth in Feet To	Thickness in Feet	Color and Type of Material Encountered
			SEE ATTACHED STRATIGRAPHIC COLUMN

Section 7. REMARKS AND ADDITIONAL INFORMATION

See Attached Construction Diagram.

Transmissivity of Kpc was determined to be 0.26 gpd/ft. from a four-hour pumping test at 0.79 gpm.

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

Gary L. Richardson
Hydrologist

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the appropriate district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1(a) and Section 5 need be completed.

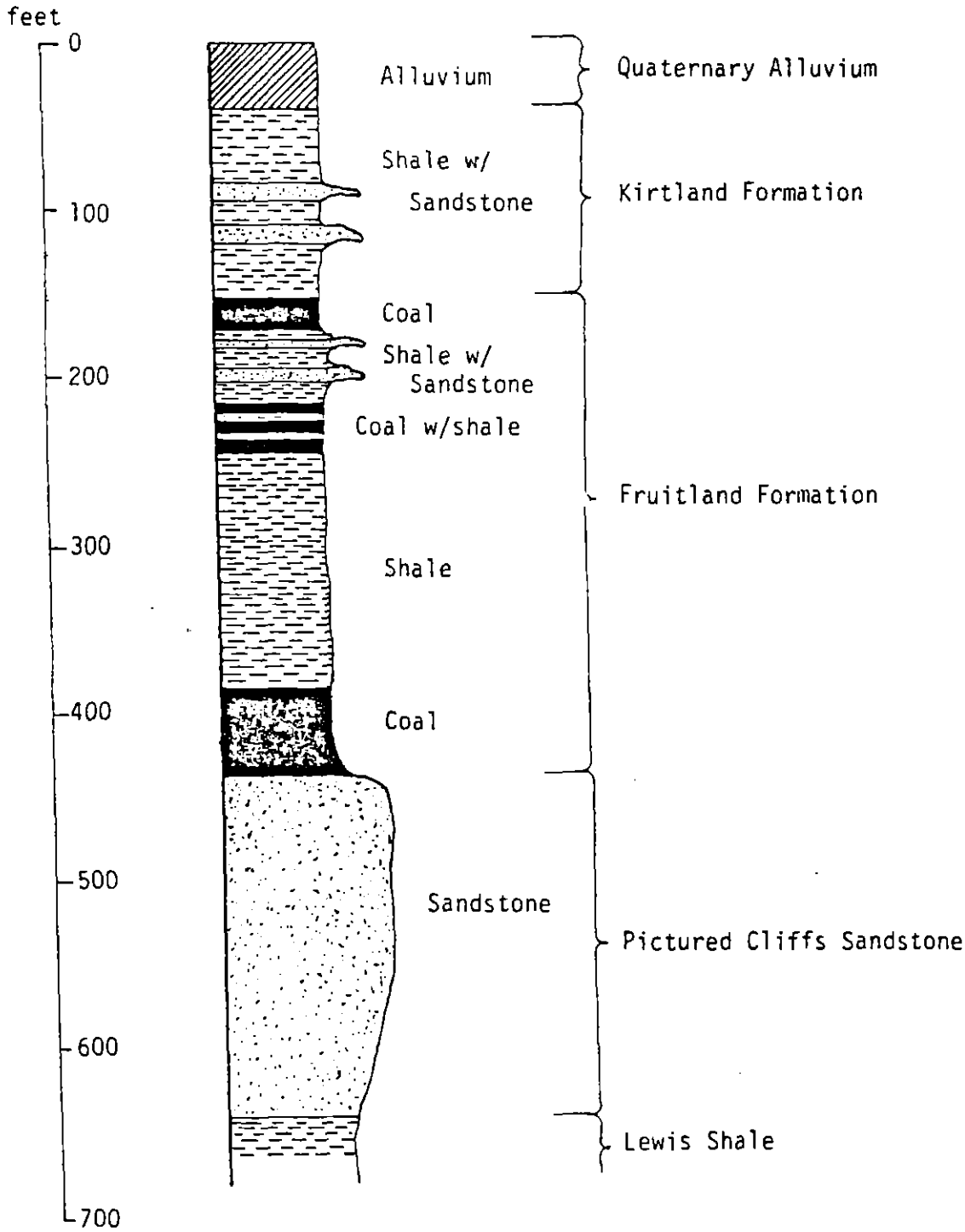
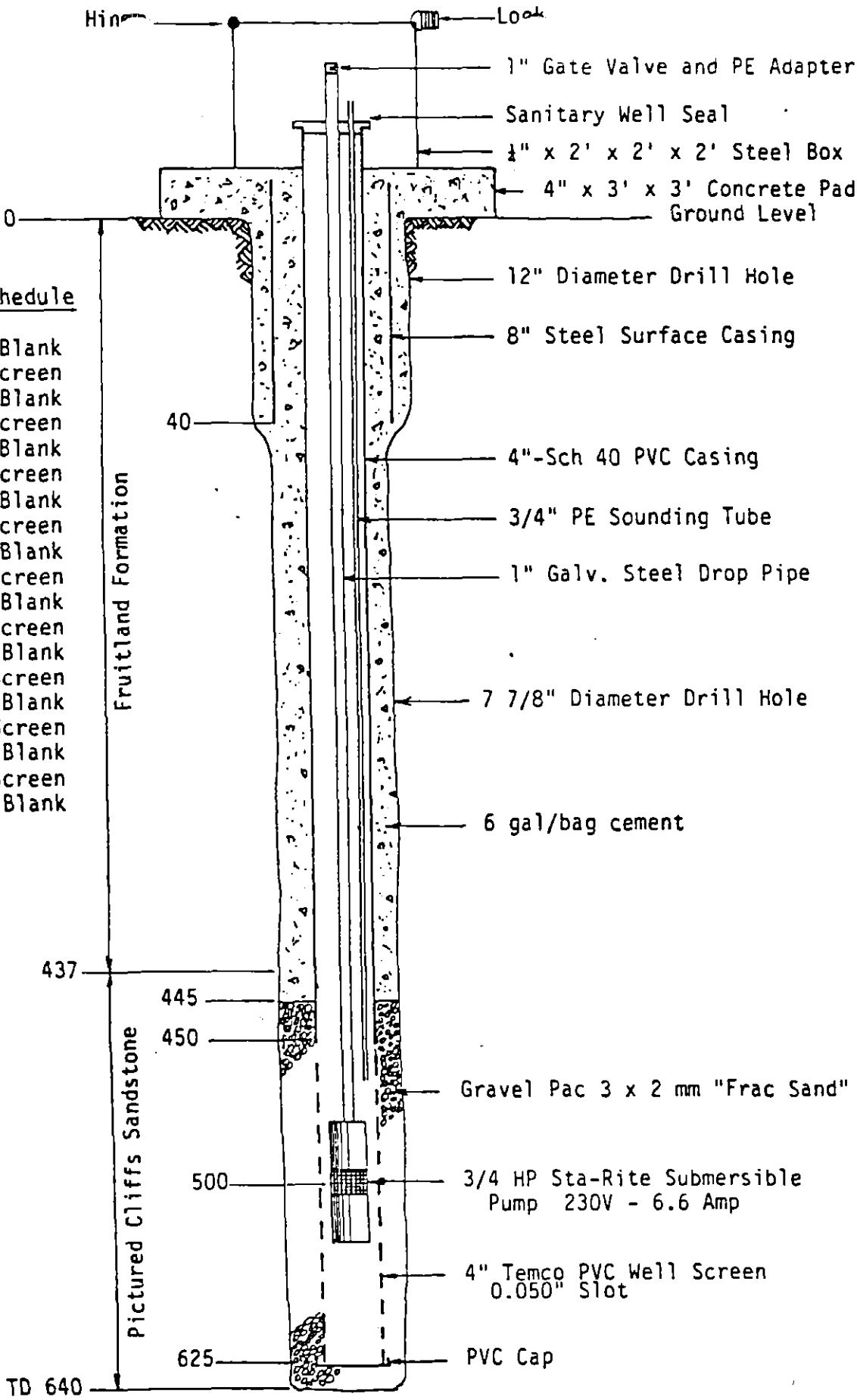


FIGURE IX-7

STRATIGRAPHIC COLUMN
FRUITLAND AND PICTURED CLIFFS AT PC-1
BLACK DIAMOND MINE PERMIT AREA



Casing	Schedule
0-450	Blank
450-460	Screen
460-470	Blank
470-480	Screen
480-490	Blank
490-500	Screen
500-510	Blank
510-520	Screen
520-530	Blank
530-540	Screen
540-550	Blank
550-560	Screen
560-570	Blank
570-580	Screen
580-590	Blank
590-600	Screen
600-610	Blank
610-620	Screen
620-625	Blank

FIGURE IX-12

PC-1 MONITOR WELL

TR N 7 26 79

Revised June 1972

STATE ENGINEER OFFICE

WELL RECORD

Section 1. GENERAL INFORMATION

(A) Owner of well Black Diamond Coal Company Owner's Well No. AL-3
Street or Post Office Address 12700 Park Central Place, Suite 1304
City and State Dallas, Texas 75251

Well was drilled under Permit No. N/A and is located in the:

a. NE ¼ SE ¼ SE ¼ SE ¼ of Section 29 Township 32N Range 13W N.M.P.M.

b. Tract No. _____ of Map No. _____ of the _____

c. Lot No. _____ of Block No. _____ of the _____
Subdivision, recorded in _____ County.

d. X= _____ feet, Y= _____ feet, N.M. Coordinate System _____ Zone in the _____ Grant.

(B) Drilling Contractor METRIC Corporation License No. WD-1088

Address 2025 San Pedro NE Albuquerque, New Mexico 87110

Drilling Began 1/9/85 Completed 1/9/85 Type tools H/S Auger Size of hole 7 in.

Elevation of land surface or top of casing at well is 6007.9 ft. Total depth of well 12.4 ft.

Completed well is ☐ shallow ☐ artesian. Depth to water upon completion of well Dry Hole ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet From	Depth in Feet To	Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
				Dry Hole

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet Top	Depth in Feet Bottom	Length (feet)	Type of Shoe	Perforations From	Perforations To
2-3/8 PVC	Sch 40	Solvent Weld	+2	12.4	14.4	---	Screened 9.4	12.4

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet From	Depth in Feet To	Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement

85 FEB 4 PM 1:21
OIL CONSERVATION DIVISION
STATE ENGINEER OFFICE
ALBUQUERQUE, N. MEX.

Section 5. PLUGGING RECORD

Plugging Contractor _____
Address _____
Plugging Method _____
Date Well Plugged _____
Plugging approved by:

_____
State Engineer Representative

No.	Depth in Feet Top	Depth in Feet Bottom	Cubic Feet of Cement
1			
2			
3			
4			

FOR USE OF STATE ENGINEER ONLY

Date Received

Quad _____ FWL _____ FSL _____

File No. _____ Use _____ Location No. _____

Section 6. LOG OF HOLE

Depth in Feet		Thickness in Feet	Color and Type of Material Encountered
From	To		
0	2	2	Moderate yellowish brown (10YR 5/4) calcareous silty clay, dry
2	3	1	Moderate yellowish brown (10YR 5/4) calcareous very fine clayey sand, dry
3	4	1	Moderate yellowish brown (10YR 5/4) calcareous silty clay, dry
4	5	1	Moderate yellowish brown (10YR 5/4) clacareous very fine clayey sand, dry
5	13	8	Moderate yellowish brown (10YR 5/4) calcareous hard clay, dry
13	14	1	Dark yellowish brown (10YR 4/2) to dusky yellowish brown (10YR 2/2) calcareous shale

Section 7. REMARKS AND ADDITIONAL INFORMATION

Intended as ground-water monitor well.

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

Gary L. Richardson

INSTRUCTIONS: This form should be uted in triplicate, preferably typewritten, an bmitted to the appropriate district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1(a) and Section 5 need be completed.

TRN 226799

Revised June 1972

STATE ENGINEER OFFICE

WELL RECORD

Section 1. GENERAL INFORMATION

(A) Owner of well Black Diamond Coal Company Owner's Well No. AL-2
Street or Post Office Address 12700 Park Central Place, Suite 1304
City and State Dallas, Texas 75251

Well was drilled under Permit No. N/A and is located in the:

a. NE ¼ SE ¼ NE ¼ SE ¼ of Section 29 Township 32N Range 13W N.M.P.M.

b. Tract No. _____ of Map No. _____ of the _____

c. Lot No. _____ of Block No. _____ of the _____
Subdivision, recorded in _____ County.

d. X= _____ feet, Y= _____ feet, N.M. Coordinate System _____ Zone in the _____ Grant.

(B) Drilling Contractor METRIC Corporation License No. WD-1088

Address 2025 San Pedro NE Albuquerque, New Mexico 87110

Drilling Began 1/9/85 Completed 1/9/85 Type tools H/S Auger Size of hole 7 in.

Elevation of land surface or top of casing at well is 6027.8 ft. Total depth of well 16.0 ft.

Completed well is ☐ shallow ☐ artesian. Depth to water upon completion of well Dry Hole ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet From	Depth in Feet To	Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
				Dry Hole

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet Top	Depth in Feet Bottom	Length (feet)	Type of Shoe	Perforations From	Perforations To
2-3/8 PVC	Sch 40	Solvent Weld	+2	16.0	18.0	---	Screened 11.0	16.0

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet From	Depth in Feet To	Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement

85 FEB 21 P1:21
STATE ENGINEER OFFICE
ALBUQUERQUE, N. MEX

Section 5. PLUGGING RECORD

Plugging Contractor _____
Address _____
Plugging Method _____
Date Well Plugged _____
Plugging approved by:

_____
State Engineer Representative

No.	Depth in Feet Top	Depth in Feet Bottom	Cubic Feet of Cement
1			
2			
3			
4			

FOR USE OF STATE ENGINEER ONLY

Date Received

Quad _____ FWL _____ FSL _____

File No. _____ Use _____ Location No. _____

Section 6. LOG OF HOLE

Depth in Feet		Thickness in Feet	Color and Type of Material Encountered
From	To		
0	2	2	Moderate yellowish brown (10YR 5/4) calcareous silty clay with root hairs, moist
2	5	3	Moderate yellowish brown (10YR 5/4) calcareous very fine clayey sand, dry
5	10	5	Moderate yellowish brown (10YR 5/4) calcareous silty clay, dry
10	17	7	Moderate yellowish brown (10YR 5/4) clay, dry
17	21	4	Grayish orange (10YR 7/4) to moderate yellowish brown (10YR 5/4) fine grained sandstone, dry

Section 7. REMARKS AND ADDITIONAL INFORMATION

Intended as ground-water monitor well.

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

INSTRUCTIONS: This form should be uted in triplicate, preferably typewritten, an bmitted to the appropriate district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1(a) and Section 5 need be completed.

TRN 226799

Revised June 1972

STATE ENGINEER OFFICE

WELL RECORD

Section 1. GENERAL INFORMATION

(A) Owner of well Black Diamond Coal Company Owner's Well No. AL-1

Street or Post Office Address 12700 Park Central Place, Suite 1304

City and State Dallas, Texas 75251

Well was drilled under Permit No. N/A and is located in the:

a. SE ¼ NE ¼ SE ¼ NE ¼ of Section 29 Township 32 N Range 13 W N.M.P.M.

(MC 7/28/02)

b. Tract No. _____ of Map No. _____ of the _____

c. Lot No. _____ of Block No. _____ of the _____ Subdivision, recorded in _____ County.

d. X= _____ feet, Y= _____ feet, N.M. Coordinate System _____ Zone in the _____ Grant.

(B) Drilling Contractor METRIC Corporation License No. WD-1088

Address 2025 San Pedro NE Albuquerque, New Mexico 87110

Drilling Began 1/8/85 Completed 1/9/85 Type tools H/S Auger Size of hole 7 in.

Elevation of land surface or top of casing at well is 6054.7 ft. Total depth of well 26.5 ft.

Completed well is ☐ shallow ☐ artesian. Depth to water upon completion of well Dry Hole ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet From	Depth in Feet To	Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
				Dry Hole

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet Top	Depth in Feet Bottom	Length (feet)	Type of Shoe	Perforations From	Perforations To
2-3/8 PVC	Sch 40	Solvent Weld	+2	26.5	28.5	---	Screened 14.5	26.5

STATE ENGINEER OFFICE
ALBUQUERQUE, N. MEX.
'85 FEB 4 AM 11:21

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet From	Depth in Feet To	Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement

Section 5. PLUGGING RECORD

Plugging Contractor _____

Address _____

Plugging Method _____

Date Well Plugged _____

Plugging approved by:

_____ State Engineer Representative

No.	Depth in Feet Top	Depth in Feet Bottom	Cubic Feet of Cement
1			
2			
3			
4			

FOR USE OF STATE ENGINEER ONLY

Date Received

Quad _____ FWL _____ FSL _____

File No. _____ Use _____ Location No. _____

Section 6. LOG OF HOLE

Depth in Feet From	Depth in Feet To	Thickness in Feet	Color and Type of Material Encountered
0	2	2	Moderate yellowish brown (10YR 5/4) calcareous silty clay with root hairs, moist
2	8	6	Moderate yellowish brown (10YR 5/4) calcareous very fine sand, dry
8	17	9	Moderate yellowish brown (10YR 5/4) calcareous very fine sand, dry
17	27	10	Moderate yellowish brown (10YR 5/4) calcareous very fine clayey sand, dry
27	30	3	Moderate yellowish brown (10YR 5/4) calcareous very fine clayey sand, dry, with fragments of
			pinkish gray (5YR 8/1) to yellowish gray fine (5Y 8/1) grained sandstone, dark yellowish
			orange (10YR 6/6) to moderate yellowish brown (10YR 5/4) hard mudstone, and pale brown (5YR
			5/2) soft clay
30	34	4	Park yellowish brown (10YR 4/2) and dusky yellowish brown (10YR 2/2) shale, with fragments
			of light brown (5YR 5/6) to moderate brown (5YR 4/4) weathered sandstone

Section 7. REMARKS AND ADDITIONAL INFORMATION

Intended as ground-water monitor well.

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

INSTRUCTIONS: This form should be uted in triplicate, preferably typewritten, an bmitted to the appropriate district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1(a) and Section 5 need be completed.

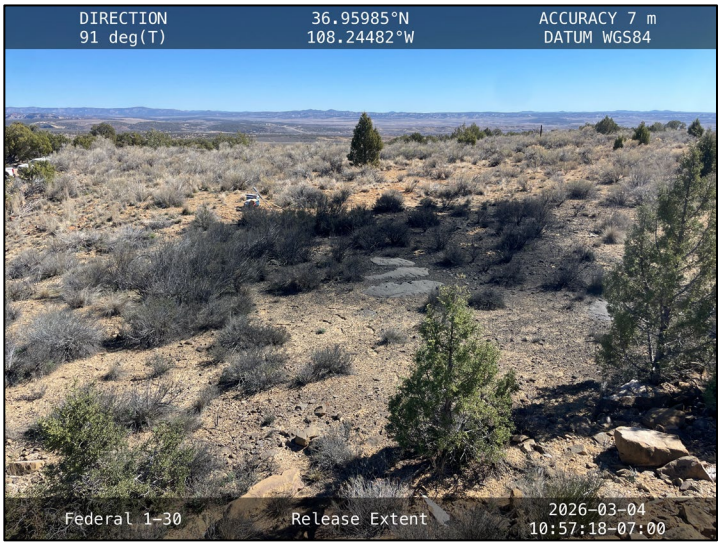
ENSOLUM

APPENDIX B

Photographic Log

ENSOLUM

Photographic Log
Hilcorp Energy Company
Federal 1-30
San Juan County, New Mexico



Photograph: 1 Date: 03/04/2026
Description: Release footprint.

View: East

Photograph: 2 Date: 03/04/2026
Description: Stained soil and flora within the release footprint.

View: West

Photograph: 3 Date: 10/01/2025
Description: Hand auger boring HA01, advanced within the release footprint and adjacent to a potential point of release.

View: West

Photograph: 4 Date: 03/04/2026
Description: Surface sample SS01, taken adjacent to an exposed pipeline and potential source of the release.

View: West

ENSOLUM

Photographic Log
Hilcorp Energy Company
Federal 1-30
San Juan County, New Mexico

Photograph: 5 Date: 03/04/2026
Description: Surface sample SS02, taken from within the release footprint.
View: Northwest

Photograph: 6 Date: 03/04/2026
Description: Hand auger boring HA02, advanced within the release footprint.
View: North

Photograph: 7 Date: 03/04/2026
Description: Surface sample SS04, taken outside the release footprint to laterally delineate the release extent.
View: North

Photograph: 8 Date: 03/04/2026
Description: Surface sample SS06, taken outside the release footprint to laterally delineate the release extent.
View: West

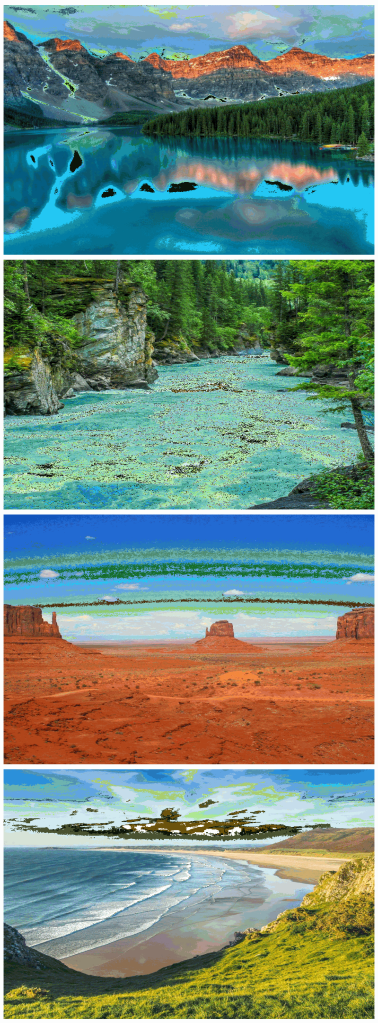
ENSOLUM

APPENDIX C

Laboratory Analytical Reports

Report to:

Mitch Killough



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:	Federal 1-30
Work Order:	E603035
Job Number:	17051-0002
Received:	3/4/2026

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/6/26

Date Reported: 3/6/26

Mitch Killough
PO Box 61529
Houston, TX 77208

Project Name: Federal 1-30
Workorder: E603035
Date Received: 3/4/2026 3:51:00PM

Mitch Killough,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/4/2026 3:51:00PM, under the Project Name: Federal 1-30.

The analytical test results summarized in this report with the Project Name: Federal 1-30 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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

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ljarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
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Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

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Sample Summary

Hilcorp Energy Co	Project Name:	Federal 1-30	**Reported:**
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Mitch Killough	03/06/26 17:03

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
HA01 @ 0-0.5'	E603035-01A	Soil	03/04/26	03/04/26	Glass Jar, 2 oz.
HA01 @ 1'	E603035-02A	Soil	03/04/26	03/04/26	Glass Jar, 2 oz.
HA02 @ 0-0.25'	E603035-03A	Soil	03/04/26	03/04/26	Glass Jar, 2 oz.
HA02 @ 0.5'	E603035-04A	Soil	03/04/26	03/04/26	Glass Jar, 2 oz.
SS01	E603035-05A	Soil	03/04/26	03/04/26	Glass Jar, 2 oz.
SS02	E603035-06A	Soil	03/04/26	03/04/26	Glass Jar, 2 oz.
SS03	E603035-07A	Soil	03/04/26	03/04/26	Glass Jar, 2 oz.
SS04	E603035-08A	Soil	03/04/26	03/04/26	Glass Jar, 2 oz.
SS05	E603035-09A	Soil	03/04/26	03/04/26	Glass Jar, 2 oz.
SS06	E603035-10A	Soil	03/04/26	03/04/26	Glass Jar, 2 oz.
SS07	E603035-11A	Soil	03/04/26	03/04/26	Glass Jar, 2 oz.
SS08	E603035-12A	Soil	03/04/26	03/04/26	Glass Jar, 2 oz.
SS09	E603035-13A	Soil	03/04/26	03/04/26	Glass Jar, 2 oz.
BR01	E603035-14A	Soil	03/04/26	03/04/26	Glass Jar, 2 oz.

Sample Data

Hilcorp Energy Co	Project Name:	Federal 1-30	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	3/6/2026 5:03:24PM

HA01 @ 0-0.5'

E603035-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2610067
Benzene	**11.5**	0.500	20	03/05/26	03/06/26	
Ethylbenzene	**47.9**	0.500	20	03/05/26	03/06/26	
Toluene	**248**	0.500	20	03/05/26	03/06/26	
o-Xylene	**103**	0.500	20	03/05/26	03/06/26	
p,m-Xylene	**348**	1.00	20	03/05/26	03/06/26	
Total Xylenes	**450**	0.500	20	03/05/26	03/06/26	
Surrogate: 4-Bromochlorobenzene-PID		*94.8 %*	*70-130*	*03/05/26*	*03/06/26*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2610067
Gasoline Range Organics (C6-C10)	**4510**	400	20	03/05/26	03/06/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*121 %*	*70-130*	*03/05/26*	*03/06/26*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2610075
Diesel Range Organics (C10-C28)	**7850**	25.0	1	03/05/26	03/06/26	T9
Oil Range Organics (C28-C36)	ND	50.0	1	03/05/26	03/06/26	
Surrogate: n-Nonane		*2100 %*	*61-141*	*03/05/26*	*03/06/26*	*S5*
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2610070
Chloride	**549**	20.0	1	03/05/26	03/05/26	

Sample Data

Hilcorp Energy Co	Project Name:	Federal 1-30	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	3/6/2026 5:03:24PM

HA01 @ 1'

E603035-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2610067
Benzene	**3.02**	0.250	10	03/05/26	03/06/26	
Ethylbenzene	**29.4**	0.250	10	03/05/26	03/06/26	
Toluene	**106**	0.250	10	03/05/26	03/06/26	
o-Xylene	**68.6**	0.250	10	03/05/26	03/06/26	
p,m-Xylene	**219**	0.500	10	03/05/26	03/06/26	
Total Xylenes	**287**	0.250	10	03/05/26	03/06/26	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*03/05/26*	*03/06/26*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2610067
Gasoline Range Organics (C6-C10)	**2870**	200	10	03/05/26	03/06/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*131 %*	*70-130*	*03/05/26*	*03/06/26*	*S5*
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2610075
Diesel Range Organics (C10-C28)	**11100**	25.0	1	03/05/26	03/06/26	T9
Oil Range Organics (C28-C36)	ND	50.0	1	03/05/26	03/06/26	
Surrogate: n-Nonane		*1990 %*	*61-141*	*03/05/26*	*03/06/26*	*S5*
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2610070
Chloride	**893**	20.0	1	03/05/26	03/05/26	

Sample Data

Hilcorp Energy Co	Project Name:	Federal 1-30	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	3/6/2026 5:03:24PM

HA02 @ 0-0.25'

E603035-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2610067
Benzene	ND	0.0250	1	03/05/26	03/06/26	
Ethylbenzene	ND	0.0250	1	03/05/26	03/06/26	
Toluene	**0.0343**	0.0250	1	03/05/26	03/06/26	
o-Xylene	ND	0.0250	1	03/05/26	03/06/26	
p,m-Xylene	ND	0.0500	1	03/05/26	03/06/26	
Total Xylenes	ND	0.0250	1	03/05/26	03/06/26	
Surrogate: 4-Bromochlorobenzene-PID		*93.2 %*	*70-130*	*03/05/26*	*03/06/26*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2610067
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/05/26	03/06/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.3 %*	*70-130*	*03/05/26*	*03/06/26*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2610075
Diesel Range Organics (C10-C28)	**74.9**	25.0	1	03/05/26	03/05/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/05/26	03/05/26	
Surrogate: n-Nonane		*115 %*	*61-141*	*03/05/26*	*03/05/26*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2610070
Chloride	**31.2**	20.0	1	03/05/26	03/05/26	

Sample Data

Hilcorp Energy Co	Project Name:	Federal 1-30	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	3/6/2026 5:03:24PM

HA02 @ 0.5'

E603035-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2610067
Benzene	ND	0.0250	1	03/05/26	03/06/26	
Ethylbenzene	ND	0.0250	1	03/05/26	03/06/26	
Toluene	**0.0308**	0.0250	1	03/05/26	03/06/26	
o-Xylene	**0.0420**	0.0250	1	03/05/26	03/06/26	
p,m-Xylene	**0.0923**	0.0500	1	03/05/26	03/06/26	
Total Xylenes	**0.134**	0.0250	1	03/05/26	03/06/26	
Surrogate: 4-Bromochlorobenzene-PID		*95.1 %*	*70-130*	*03/05/26*	*03/06/26*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2610067
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/05/26	03/06/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.7 %*	*70-130*	*03/05/26*	*03/06/26*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2610075
Diesel Range Organics (C10-C28)	ND	25.0	1	03/05/26	03/06/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/05/26	03/06/26	
Surrogate: n-Nonane		*110 %*	*61-141*	*03/05/26*	*03/06/26*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2610070
Chloride	**38.6**	20.0	1	03/05/26	03/05/26	

Sample Data

Hilcorp Energy Co	Project Name:	Federal 1-30	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	3/6/2026 5:03:24PM

SS01

E603035-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2610067
Benzene	ND	0.0250	1	03/05/26	03/06/26	
Ethylbenzene	ND	0.0250	1	03/05/26	03/06/26	
Toluene	ND	0.0250	1	03/05/26	03/06/26	
o-Xylene	ND	0.0250	1	03/05/26	03/06/26	
p,m-Xylene	ND	0.0500	1	03/05/26	03/06/26	
Total Xylenes	ND	0.0250	1	03/05/26	03/06/26	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*03/05/26*	*03/06/26*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2610067
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/05/26	03/06/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.2 %*	*70-130*	*03/05/26*	*03/06/26*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2610075
Diesel Range Organics (C10-C28)	ND	25.0	1	03/05/26	03/06/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/05/26	03/06/26	
Surrogate: n-Nonane		*109 %*	*61-141*	*03/05/26*	*03/06/26*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2610070
Chloride	ND	20.0	1	03/05/26	03/05/26	

Sample Data

Hilcorp Energy Co	Project Name:	Federal 1-30	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	3/6/2026 5:03:24PM

SS02

E603035-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2610067
Benzene	ND	0.0250	1	03/05/26	03/06/26	
Ethylbenzene	ND	0.0250	1	03/05/26	03/06/26	
Toluene	ND	0.0250	1	03/05/26	03/06/26	
o-Xylene	ND	0.0250	1	03/05/26	03/06/26	
p,m-Xylene	ND	0.0500	1	03/05/26	03/06/26	
Total Xylenes	ND	0.0250	1	03/05/26	03/06/26	
Surrogate: 4-Bromochlorobenzene-PID		*99.9 %*	*70-130*	*03/05/26*	*03/06/26*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2610067
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/05/26	03/06/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.2 %*	*70-130*	*03/05/26*	*03/06/26*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2610075
Diesel Range Organics (C10-C28)	**252**	25.0	1	03/05/26	03/06/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/05/26	03/06/26	
Surrogate: n-Nonane		*108 %*	*61-141*	*03/05/26*	*03/06/26*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2610070
Chloride	**167**	20.0	1	03/05/26	03/05/26	

Sample Data

Hilcorp Energy Co	Project Name:	Federal 1-30	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	3/6/2026 5:03:24PM

SS03

E603035-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2610067
Benzene	ND	0.0250	1	03/05/26	03/06/26	
Ethylbenzene	ND	0.0250	1	03/05/26	03/06/26	
Toluene	ND	0.0250	1	03/05/26	03/06/26	
o-Xylene	ND	0.0250	1	03/05/26	03/06/26	
p,m-Xylene	ND	0.0500	1	03/05/26	03/06/26	
Total Xylenes	ND	0.0250	1	03/05/26	03/06/26	
Surrogate: 4-Bromochlorobenzene-PID		*99.7 %*	*70-130*	*03/05/26*	*03/06/26*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2610067
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/05/26	03/06/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.7 %*	*70-130*	*03/05/26*	*03/06/26*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2610075
Diesel Range Organics (C10-C28)	ND	25.0	1	03/05/26	03/06/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/05/26	03/06/26	
Surrogate: n-Nonane		*111 %*	*61-141*	*03/05/26*	*03/06/26*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2610070
Chloride	ND	20.0	1	03/05/26	03/05/26	

Sample Data

Hilcorp Energy Co	Project Name:	Federal 1-30	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	3/6/2026 5:03:24PM

SS04

E603035-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2610067
Benzene	ND	0.0250	1	03/05/26	03/06/26	
Ethylbenzene	ND	0.0250	1	03/05/26	03/06/26	
Toluene	ND	0.0250	1	03/05/26	03/06/26	
o-Xylene	ND	0.0250	1	03/05/26	03/06/26	
p,m-Xylene	ND	0.0500	1	03/05/26	03/06/26	
Total Xylenes	ND	0.0250	1	03/05/26	03/06/26	
Surrogate: 4-Bromochlorobenzene-PID		*99.9 %*	*70-130*	*03/05/26*	*03/06/26*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2610067
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/05/26	03/06/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.2 %*	*70-130*	*03/05/26*	*03/06/26*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2610075
Diesel Range Organics (C10-C28)	ND	25.0	1	03/05/26	03/06/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/05/26	03/06/26	
Surrogate: n-Nonane		*116 %*	*61-141*	*03/05/26*	*03/06/26*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2610070
Chloride	ND	20.0	1	03/05/26	03/05/26	

Sample Data

Hilcorp Energy Co	Project Name:	Federal 1-30	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	3/6/2026 5:03:24PM

SS05

E603035-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2610067
Benzene	ND	0.0250	1	03/05/26	03/06/26	
Ethylbenzene	ND	0.0250	1	03/05/26	03/06/26	
Toluene	ND	0.0250	1	03/05/26	03/06/26	
o-Xylene	ND	0.0250	1	03/05/26	03/06/26	
p,m-Xylene	ND	0.0500	1	03/05/26	03/06/26	
Total Xylenes	ND	0.0250	1	03/05/26	03/06/26	
Surrogate: 4-Bromochlorobenzene-PID		*96.2 %*	*70-130*	*03/05/26*	*03/06/26*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2610067
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/05/26	03/06/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.6 %*	*70-130*	*03/05/26*	*03/06/26*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2610075
Diesel Range Organics (C10-C28)	ND	25.0	1	03/05/26	03/06/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/05/26	03/06/26	
Surrogate: n-Nonane		*110 %*	*61-141*	*03/05/26*	*03/06/26*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2610070
Chloride	ND	20.0	1	03/05/26	03/05/26	

Sample Data

Hilcorp Energy Co	Project Name:	Federal 1-30	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	3/6/2026 5:03:24PM

SS06

E603035-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2610067
Benzene	ND	0.0250	1	03/05/26	03/06/26	
Ethylbenzene	ND	0.0250	1	03/05/26	03/06/26	
Toluene	ND	0.0250	1	03/05/26	03/06/26	
o-Xylene	ND	0.0250	1	03/05/26	03/06/26	
p,m-Xylene	ND	0.0500	1	03/05/26	03/06/26	
Total Xylenes	ND	0.0250	1	03/05/26	03/06/26	
Surrogate: 4-Bromochlorobenzene-PID		*107 %*	*70-130*	*03/05/26*	*03/06/26*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2610067
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/05/26	03/06/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.3 %*	*70-130*	*03/05/26*	*03/06/26*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2610075
Diesel Range Organics (C10-C28)	ND	25.0	1	03/05/26	03/06/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/05/26	03/06/26	
Surrogate: n-Nonane		*109 %*	*61-141*	*03/05/26*	*03/06/26*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2610070
Chloride	ND	20.0	1	03/05/26	03/05/26	

Sample Data

Hilcorp Energy Co	Project Name:	Federal 1-30	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	3/6/2026 5:03:24PM

SS07

E603035-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2610067
Benzene	ND	0.0250	1	03/05/26	03/06/26	
Ethylbenzene	ND	0.0250	1	03/05/26	03/06/26	
Toluene	ND	0.0250	1	03/05/26	03/06/26	
o-Xylene	ND	0.0250	1	03/05/26	03/06/26	
p,m-Xylene	ND	0.0500	1	03/05/26	03/06/26	
Total Xylenes	ND	0.0250	1	03/05/26	03/06/26	
Surrogate: 4-Bromochlorobenzene-PID		*97.7 %*	*70-130*	*03/05/26*	*03/06/26*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2610067
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/05/26	03/06/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.0 %*	*70-130*	*03/05/26*	*03/06/26*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2610075
Diesel Range Organics (C10-C28)	ND	25.0	1	03/05/26	03/06/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/05/26	03/06/26	
Surrogate: n-Nonane		*114 %*	*61-141*	*03/05/26*	*03/06/26*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2610070
Chloride	ND	20.0	1	03/05/26	03/05/26	

Sample Data

Hilcorp Energy Co	Project Name:	Federal 1-30	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	3/6/2026 5:03:24PM

SS08

E603035-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2610067
Benzene	ND	0.0250	1	03/05/26	03/06/26	
Ethylbenzene	ND	0.0250	1	03/05/26	03/06/26	
Toluene	ND	0.0250	1	03/05/26	03/06/26	
o-Xylene	ND	0.0250	1	03/05/26	03/06/26	
p,m-Xylene	ND	0.0500	1	03/05/26	03/06/26	
Total Xylenes	ND	0.0250	1	03/05/26	03/06/26	
Surrogate: 4-Bromochlorobenzene-PID		*94.2 %*	*70-130*	*03/05/26*	*03/06/26*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2610067
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/05/26	03/06/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.7 %*	*70-130*	*03/05/26*	*03/06/26*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2610075
Diesel Range Organics (C10-C28)	ND	25.0	1	03/05/26	03/06/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/05/26	03/06/26	
Surrogate: n-Nonane		*109 %*	*61-141*	*03/05/26*	*03/06/26*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2610070
Chloride	ND	20.0	1	03/05/26	03/05/26	

Sample Data

Hilcorp Energy Co	Project Name:	Federal 1-30	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	3/6/2026 5:03:24PM

SS09

E603035-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2610067
Benzene	ND	0.0250	1	03/05/26	03/06/26	
Ethylbenzene	ND	0.0250	1	03/05/26	03/06/26	
Toluene	ND	0.0250	1	03/05/26	03/06/26	
o-Xylene	ND	0.0250	1	03/05/26	03/06/26	
p,m-Xylene	ND	0.0500	1	03/05/26	03/06/26	
Total Xylenes	ND	0.0250	1	03/05/26	03/06/26	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*03/05/26*	*03/06/26*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2610067
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/05/26	03/06/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.8 %*	*70-130*	*03/05/26*	*03/06/26*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2610075
Diesel Range Organics (C10-C28)	ND	25.0	1	03/05/26	03/06/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/05/26	03/06/26	
Surrogate: n-Nonane		*111 %*	*61-141*	*03/05/26*	*03/06/26*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2610070
Chloride	ND	20.0	1	03/05/26	03/05/26	

Sample Data

Hilcorp Energy Co	Project Name:	Federal 1-30	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	3/6/2026 5:03:24PM

BR01

E603035-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2610067
Benzene	ND	0.0250	1	03/05/26	03/06/26	
Ethylbenzene	ND	0.0250	1	03/05/26	03/06/26	
Toluene	ND	0.0250	1	03/05/26	03/06/26	
o-Xylene	ND	0.0250	1	03/05/26	03/06/26	
p,m-Xylene	ND	0.0500	1	03/05/26	03/06/26	
Total Xylenes	ND	0.0250	1	03/05/26	03/06/26	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*03/05/26*	*03/06/26*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2610067
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/05/26	03/06/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.5 %*	*70-130*	*03/05/26*	*03/06/26*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2610075
Diesel Range Organics (C10-C28)	ND	25.0	1	03/05/26	03/06/26	
Oil Range Organics (C28-C36)	ND	50.0	1	03/05/26	03/06/26	
Surrogate: n-Nonane		*108 %*	*61-141*	*03/05/26*	*03/06/26*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: TP			Batch: 2610070
Chloride	ND	20.0	1	03/05/26	03/05/26	

QC Summary Data

Hilcorp Energy Co	Project Name:	Federal 1-30	**Reported:**
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Mitch Killough	3/6/2026 5:03:24PM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2610067-BLK1)									Prepared: 03/05/26 Analyzed: 03/06/26
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: 4-Bromochlorobenzene-PID	*8.43*		*8.00*		*105*	*70-130*			
LCS (2610067-BS1)									Prepared: 03/05/26 Analyzed: 03/05/26
Benzene	4.77	0.0250	5.00		95.4	70-130			
Ethylbenzene	4.50	0.0250	5.00		90.0	70-130			
Toluene	4.65	0.0250	5.00		93.0	70-130			
o-Xylene	4.56	0.0250	5.00		91.3	70-130			
p,m-Xylene	9.17	0.0500	10.0		91.7	70-130			
Total Xylenes	13.7	0.0250	15.0		91.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.93*		*8.00*		*99.1*	*70-130*			
Matrix Spike (2610067-MS1)				**Source: E603035-10**					Prepared: 03/05/26 Analyzed: 03/05/26
Benzene	5.18	0.0250	5.00	ND	104	70-130			
Ethylbenzene	4.86	0.0250	5.00	ND	97.1	70-130			
Toluene	5.03	0.0250	5.00	ND	101	70-130			
o-Xylene	4.91	0.0250	5.00	ND	98.2	70-130			
p,m-Xylene	9.88	0.0500	10.0	ND	98.8	70-130			
Total Xylenes	14.8	0.0250	15.0	ND	98.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.82*		*8.00*		*97.8*	*70-130*			
Matrix Spike Dup (2610067-MSD1)				**Source: E603035-10**					Prepared: 03/05/26 Analyzed: 03/05/26
Benzene	4.96	0.0250	5.00	ND	99.2	70-130	4.38	27	
Ethylbenzene	4.70	0.0250	5.00	ND	94.1	70-130	3.19	26	
Toluene	4.85	0.0250	5.00	ND	96.9	70-130	3.76	20	
o-Xylene	4.80	0.0250	5.00	ND	95.9	70-130	2.29	25	
p,m-Xylene	9.59	0.0500	10.0	ND	95.9	70-130	2.96	23	
Total Xylenes	14.4	0.0250	15.0	ND	95.9	70-130	2.74	26	
Surrogate: 4-Bromochlorobenzene-PID	*8.27*		*8.00*		*103*	*70-130*			

QC Summary Data

Hilcorp Energy Co	Project Name:	Federal 1-30	**Reported:**
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Mitch Killough	3/6/2026 5:03:24PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2610067-BLK1)									Prepared: 03/05/26 Analyzed: 03/06/26
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.53*		*8.00*		*94.1*	*70-130*			
LCS (2610067-BS2)									Prepared: 03/05/26 Analyzed: 03/06/26
Gasoline Range Organics (C6-C10)	44.7	20.0	50.0		89.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.63*		*8.00*		*95.4*	*70-130*			
Matrix Spike (2610067-MS2)				**Source: E603035-10**					Prepared: 03/05/26 Analyzed: 03/06/26
Gasoline Range Organics (C6-C10)	54.2	20.0	50.0	ND	108	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.71*		*8.00*		*96.4*	*70-130*			
Matrix Spike Dup (2610067-MSD2)				**Source: E603035-10**					Prepared: 03/05/26 Analyzed: 03/06/26
Gasoline Range Organics (C6-C10)	50.7	20.0	50.0	ND	101	70-130	6.64	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.69*		*8.00*		*96.1*	*70-130*			

QC Summary Data

Hilcorp Energy Co	Project Name:	Federal 1-30	**Reported:**
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Mitch Killough	3/6/2026 5:03:24PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2610075-BLK1)									Prepared: 03/05/26 Analyzed: 03/05/26
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*51.0*		*50.0*		*102*	*61-141*			
LCS (2610075-BS1)									Prepared: 03/05/26 Analyzed: 03/05/26
Diesel Range Organics (C10-C28)	232	25.0	250		92.9	66-144			
Surrogate: n-Nonane	*51.1*		*50.0*		*102*	*61-141*			
Matrix Spike (2610075-MS1)				**Source: E603035-07**					Prepared: 03/05/26 Analyzed: 03/05/26
Diesel Range Organics (C10-C28)	252	25.0	250	ND	101	56-156			
Surrogate: n-Nonane	*53.5*		*50.0*		*107*	*61-141*			
Matrix Spike Dup (2610075-MSD1)				**Source: E603035-07**					Prepared: 03/05/26 Analyzed: 03/05/26
Diesel Range Organics (C10-C28)	250	25.0	250	ND	100	56-156	0.467	20	
Surrogate: n-Nonane	*54.4*		*50.0*		*109*	*61-141*			

QC Summary Data

Hilcorp Energy Co	Project Name:	Federal 1-30	**Reported:**
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Mitch Killough	3/6/2026 5:03:24PM

Anions by EPA 300.0/9056A

Analyst: TP

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2610070-BLK1)									Prepared: 03/05/26 Analyzed: 03/05/26
Chloride	ND	20.0							
LCS (2610070-BS1)									Prepared: 03/05/26 Analyzed: 03/05/26
Chloride	267	20.0	250		107	90-110			
Matrix Spike (2610070-MS1)				**Source: E603035-08**					Prepared: 03/05/26 Analyzed: 03/05/26
Chloride	261	20.0	250	ND	104	80-120			
Matrix Spike Dup (2610070-MSD1)				**Source: E603035-08**					Prepared: 03/05/26 Analyzed: 03/05/26
Chloride	262	20.0	250	ND	105	80-120	0.209	20	

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

Hilcorp Energy Co	Project Name:	Federal 1-30	
PO Box 61529	Project Number:	17051-0002	**Reported:**
Houston TX, 77208	Project Manager:	Mitch Killough	03/06/26 17:03

S5	Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes.
T9	DRO includes undifferentiated early eluting analytes characteristic of GRO.
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.

envirotech
Analytical Laboratory

Chain of Custody

Client Information		Invoice Information		Lab Use Only		TAT				State				
Client:	Hilcorp Energy Company	Company:		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX	
Project Name:	Federal 1-30	Address:	SAME	E003035	17051-0002		✓			✓				
Project Manager:	Mitch Killough	City, State, Zip:	AS											
Address:		Phone:	CLIENT											
City, State, Zip:		Email:												
Phone:		Miscellaneous:												
Email:	mkillough@hilcorp.com													

Sample Information								Analysis and Method											EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX			SDWA	CWA	RCRA
																			Compliance	Y	or	N
																			PWSID #			
1106	03/04/26	Soil	(one) 2 oz	HA01@0-0.5'		1	✓	✓	✓		✓								2.4			
1419				HA01@1'		2	✓	✓	✓		✓								2.6			
1147				HA02@0-0.25'		3	✓	✓	✓		✓								2.8			
1158				HA02@0.5'		4	✓	✓	✓		✓								2.0			
1115				SS01		5	✓	✓	✓		✓								2.4			
1142				SS02		6	✓	✓	✓		✓								2.2			
1259				SS03		7	✓	✓	✓		✓								2.2			
1245				SS04		8	✓	✓	✓		✓								3.0			
1252				SS05		9	✓	✓	✓		✓								2.8			
1316	03/04/26	Soil	(one) 2 oz	SS06		10	✓	✓	✓		✓								2.6			

Additional Instructions: cc: wweichert@ensolum.com ; shyde@ensolum.com ; ofroelich@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.
Sampled by: Osgood Froelich

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	03/04/2026	1550	Cath Mas	3.4.26	1551
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.

Lab Use Only
Received on ice: (Y) N

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Hilcorp Energy Company	Company:	Lab WO# E603035	Job Number 17051-0002	1D 2D 3D Std: 2D	NM CO UT TX: NM
Project Name: Federal 1-30	Address:			
Project Manager: Mitch Killough	City, State, Zip: SAME AS			
Address:	Phone: CLIENT			
City, State, Zip:	Email:			
Phone:	Miscellaneous:			
Email: mkillough@hilcorp.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
1322	03/04/26	soil	(one) 2 oz	SS07		11	✓	✓	✓		✓							3.2	
1330				SS08		12	✓	✓	✓		✓							3.0	
1336				SS09		13	✓	✓	✓		✓							3.0	
1349	03/04/26	soil	(one) 2 oz	BR01		14	✓	✓	✓		✓							3.4	

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance: Y or N

PWSID #

Additional Instructions: cc: wwe:chert@ensolum.com ; shyde@ensolum.com ; ofroelich@ensolum.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: Osgood Froelich

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	03/04/2026	1550	Caitlin Mars	3.4.26	1551

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.

Lab Use Only

Received on ice: (Y) / N

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Envirotech Analytical Laboratory

Printed: 3/4/2026 4:10:58PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Hilcorp Energy Co	Date Received:	03/04/26 15:51	Work Order ID:	E603035
Phone:	-	Date Logged In:	03/04/26 16:08	Logged In By:	Caitlin Mars
Email:	mkillough@hilcorp.com	Due Date:	03/06/26 17:00 (2 day TAT)		

Chain of Custody (COC)

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	Carrier: Osgood Froelich
4. Was the 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 field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

14. Are aqueous VOC samples present?	No
15. Are VOC samples collected in VOA Vials?	NA
16. Is the head space less than 6-8 mm (pea sized or less)?	NA
17. Was a trip blank (TB) included for VOC analyses?	NA
18. Are non-VOC samples collected in the correct containers?	Yes
19. Is the appropriate volume/weight or number of sample containers collected?	Yes

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No
22. Are sample(s) correctly preserved?	NA
24. Is lab filtration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

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

Date

envirotech Inc.

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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 583904

QUESTIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 583904
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2604330316**
Incident Name	**NAPP2604330316 FEDERAL 1-30 @ G-30-32N-13W 2180N 2300E**
Incident Type	**Release Other**
Incident Status	**Remediation Plan Received**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	FEDERAL 1-30
Date Release Discovered	02/11/2026
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	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 for 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	Cause: Human Error | Pipeline (Any) | Produced Water | Released: 5 BBL | Recovered: 0 BBL | Lost: 5 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	Cause: Human Error | Pipeline (Any) | Natural Gas Vented | Released: 1,667 MCF | Recovered: 0 MCF | Lost: 1,667 MCF.
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)	On 2/11/2026 at 11:30 am (MT), a HEC lease operator was attempting to return a well back to production at the Mountain Ute Gas Com F 1 (30-045-21034). However, the operator opened a flowline (dog leg) that he thought was tied to the Mountain Ute Gas Com F 1, but was instead tied to a plugged and abandoned well (Federal 1-30) located approximately 3,600 ft to the E-SE. The product then travelled to the former Federal 1-30 and vented 1,667 mcf gas (and 4.63-bbl produced water) out of an open-ended pipeline (located immediately below the surface) onto the former pad. Upon further inspection by HEC personnel, the fluids soaked into the ground surface on the former pad and no product could be recovered. HEC was able to secure the spill source shortly after discovery of this oversight and shut-in the line segment. Corrective actions are pending at this time, but will involve permanently locking out this particular dog leg to prevent this from happening again.

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QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 583904
	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)	**Yes, according to supplied volumes this will be treated as 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:** **(3) an unauthorized release of gases exceeding 500 MCF.**
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 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	*Not answered.*
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.

I hereby agree and sign off to the above statement	Name: Stuart Hyde Title: Senior Geologist Email: shyde@ensolum.com Date: 05/11/2026

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QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 583904
	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)	Less than or equal 25 (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 and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 500 and 1000 (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	Between 1 and 5 (mi.)
A wetland	Between 500 and 1000 (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 1 and 5 (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 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 delineated	Yes
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)	893
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	13970
GRO+DRO (EPA SW-846 Method 8015M)	13970
BTEX (EPA SW-846 Method 8021B or 8260B)	757.4
Benzene (EPA SW-846 Method 8021B or 8260B)	11.5
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.	
On what estimated date will the remediation commence	03/04/2026
On what date will (or did) the final sampling or liner inspection occur	03/05/2026
On what date will (or was) the remediation complete(d)	03/04/2026
What is the estimated surface area (in square feet) that will be reclaimed	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 remediated	1300
What is the estimated volume (in cubic yards) that will be remediated	100
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.	
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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QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 583904
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

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.)	Yes
Which OCD approved facility will be used for **off-site** disposal	fSC00000000048 ENVIROTECH
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	*Not answered.*
OR is the **off-site** disposal site, to be used, an NMED facility	*Not answered.*
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
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.	
I hereby agree and sign off to the above statement	Name: Stuart Hyde Title: Senior Geologist Email: shyde@ensolum.com Date: 05/11/2026
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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QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 583904
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

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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QUESTIONS (continued)

Operator:	OGRID:
HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	372171
	Action Number: 583904
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	*{Unavailable.}*

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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CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 583904
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Site characterization and remediation plan approved.	5/15/2026