ENSOLUM

November 21, 2025

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

Re: Remediation Work Plan
San Juan 27-5 Unit #165N
Hilcorp Energy Company
NMOCD Incident No: nAPP2523829477

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 at the San Juan 27-5 Unit #165N natural gas production well (Site). The Site is located on land managed by the Bureau of Land Management (BLM) in Rio Arriba County, New Mexico, Unit E, Section 29, Township 27 North, Range 5 West (Figure 1). This Work Plan includes a summary of delineation activities performed at the Site and the proposed remediation of impacted soil originating from the release.

SITE BACKGROUND

On August 25, 2025, Hilcorp personnel discovered a release of 16.5 barrels (bbls) of condensate at the Site. Specifically, while conducting a routine Site inspection, a Hilcorp operator observed condensate within the secondary containment berm. Subsequent inspection indicated that the release originated from corrosion of the Site's aboveground storage tank (AST). A vacuum truck was dispatched to the Site on August 26, 2025 and was able to recover 10 bbls. The spilled fluids did not migrate horizontally outside of secondary containment. Hilcorp submitted the *Notification of Release* to the New Mexico Oil Conservation Division (NMOCD) on August 26, 2025, and the Site was assigned Incident Number nAPP2523829477.

SITE CHARACTERIZATION

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.

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 500 feet east of the Site. The nearest NMOSE permitted well multiple Point of Diversions (PODs) under permit SJ-03886 are located approximately 4,780 feet west of the Site. These wells were installed to monitor groundwater conditions related to a historical release and are not used for production. The recorded depth to water from POD 3 is 23.84 feet below ground surface (bgs).

A small pond is located directly adjacent and southwest of the Site well pad. The Site is greater than 200 feet from any sinkhole, or playa lake, and greater than 300 feet from any wetland. No wellhead protection areas, springs, or domestic/stock wells are 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 designated as low 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):

  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 September 3, 2025. A notification of sampling activities was provided to the NMOCD prior to the delineation work and is attached as Appendix B. In total, five boreholes (BH-1 through BH-4) were advanced at the Site to depths up to 6 feet bgs (Figure 2). Borehole BH-1 was advanced immediately adjacent to the condensate AST within the release footprint and near the source area to assess the soil with the greatest potential impacts. Boreholes BH-2 through BH-5 were advanced to field screen and delineate the lateral and vertical extents of potential impacts based on the observations encountered in BH-1.

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) and chloride using Hach® QuanTab® chloride test strips. Soil descriptions and field screening results were documented in the field book. Photographs taken during delineation activities are provided in Appendix C. PID and chloride field screening results are included in Table 1.

Three soil samples were collected from each borehole in order to delineate the vertical impacts at the Site: one at the ground surface; one at the depth interval indicating the greatest potential impacts based on field screening results; and a third sample collected at the terminus of each borehole. Soil samples were collected directly into laboratory-provided jars and immediately placed on ice. Samples were submitted to Eurofins Environment Testing 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.

In general, Site lithology consisted of silty sand and silt in all boreholes. Based on the laboratory analytical results, BTEX and TPH concentrations exceeding the NMOCD Closure Criteria were encountered in soil samples collected at the ground surface and a depth of 2 feet bgs from borehole BH-1. BTEX, TPH, and/or chloride were either not detected above laboratory reporting limits or were below the applicable Closure Criteria in all other analyzed samples. Analytical results are summarized in Table 1 and Figure 2, with complete laboratory reports attached in Appendix D.

REMEDIATION WORK PLAN

Based on the soil sampling results described above, it is estimated impacted soil is present at the Site between the ground surface to a depth of approximately 3 feet bgs. Analytical results also indicate impacted soil is likely limited to areas within the secondary containment berm with an approximate areal extent of 1,000 square feet. Based on these estimates, approximately 112 cubic yards of impacted soil are present at the Site.

Hilcorp proposes to excavate impacted soil at the Site to achieve NMOCD Closure Criteria. Soil will be excavated and transported for off-Site disposal at the Envirotech commercial landfarm located 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 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Once confirmed impacted soil has been removed, the excavation will be backfilled with clean imported soil and recontoured to match pre-existing conditions at the Site.

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 BLM. A *Closure Request* will be submitted within 60 days of receipt of final laboratory analytical results.

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

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

Wes Weichert, PG (licensed in WY & TX)
Senior Geologist
(816) 266-8732
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Attachments:

Figure 1: Site Location Map
Figure 2: Delineation Sample Locations

Table 1: Soil Sample Analytical Results

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

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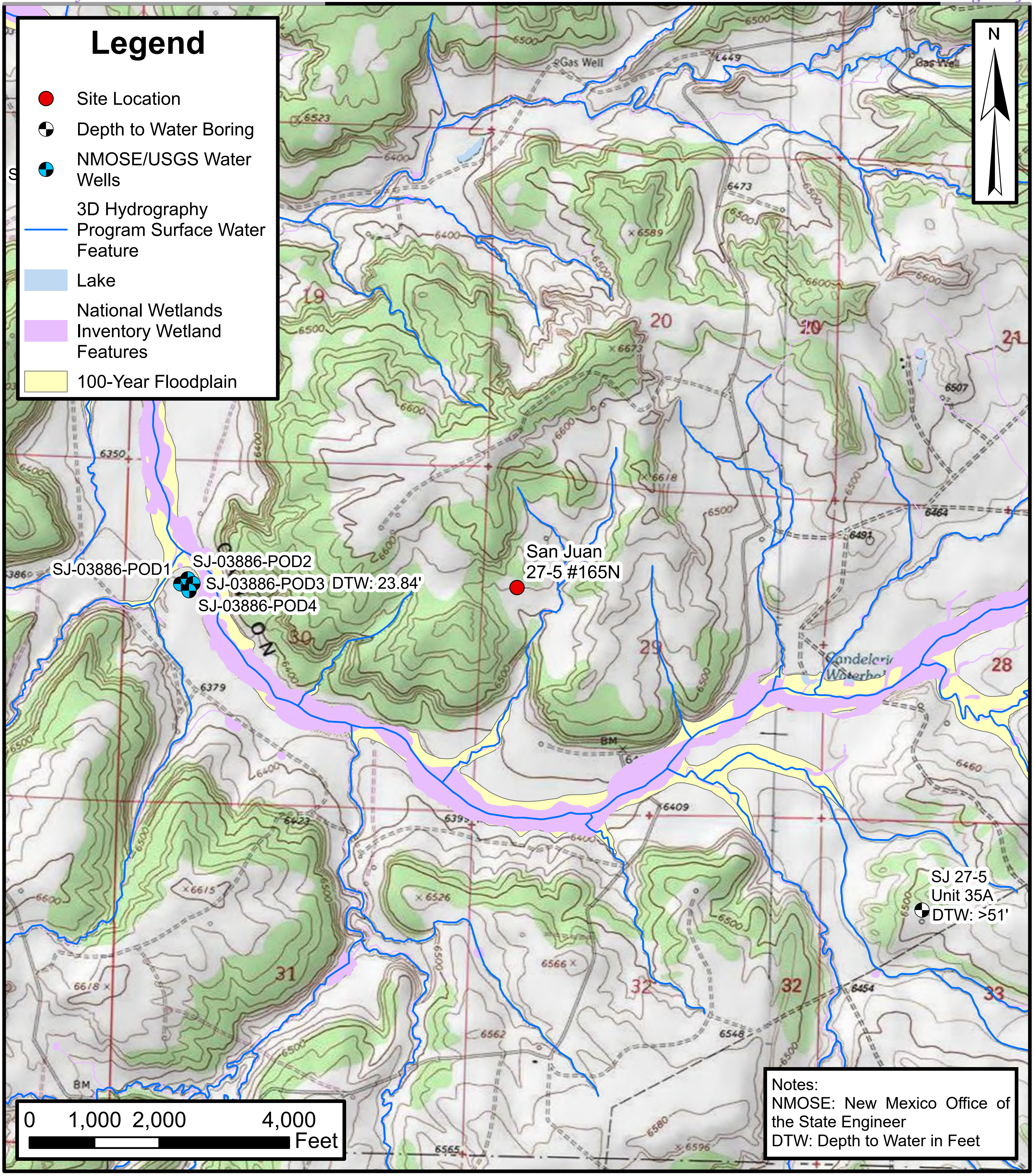
FIGURES



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Environmental, Engineering and Hydrogeologic Consultants

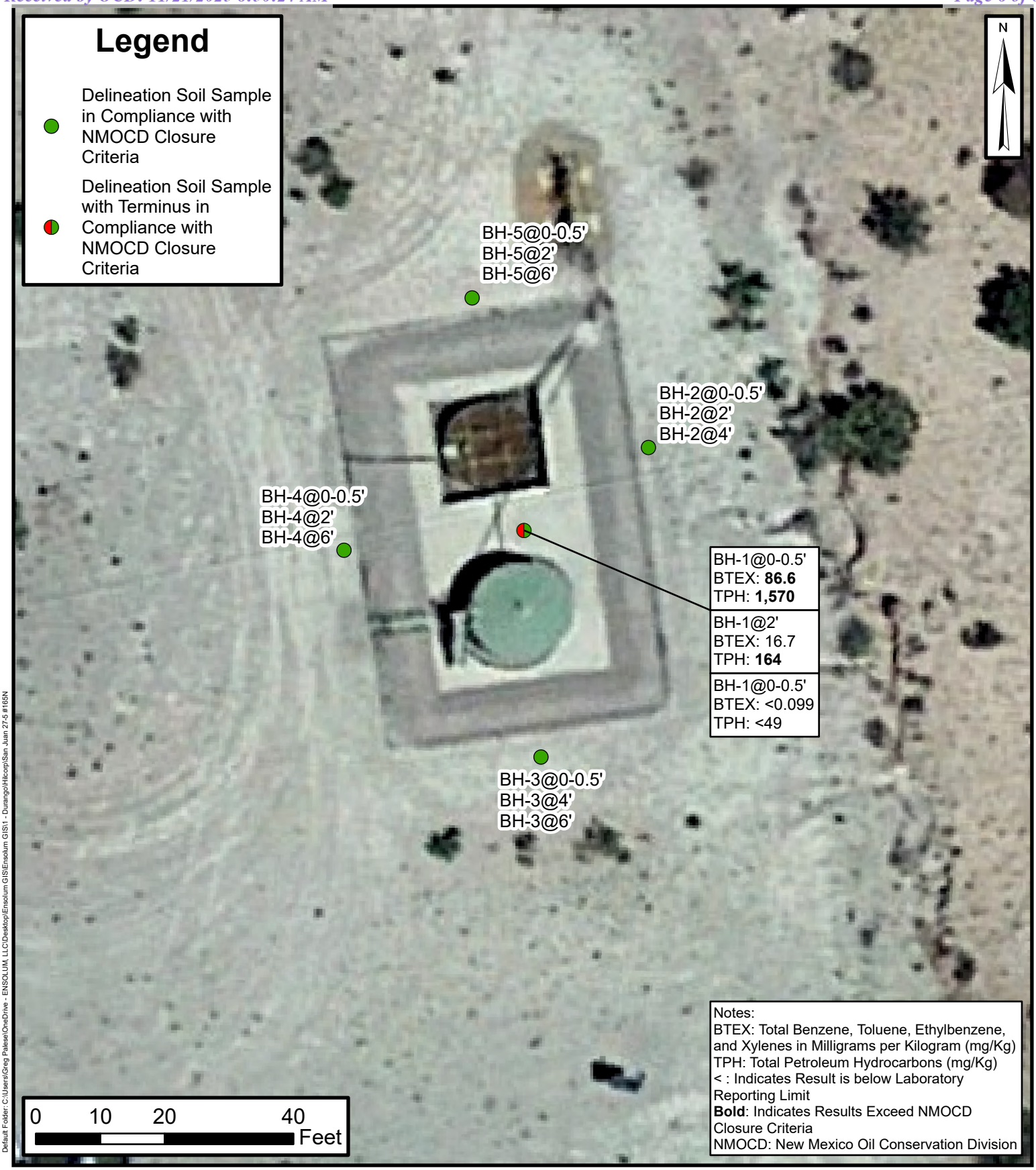
Site Location Map

San Juan 27-5 Unit #165N
Hilcorp Energy Company

36.547657, -107.3896179
Rio Arriba County, New Mexico

FIGURE
1

Sources: Environmental Systems Research Institute (ESRI), United States Geologic Survey (USGS), United States Fish and Wildlife Service (USFWS), National Geographic Society, i-cubed



Default Folder: C:\Users\Greg Pates\OneDrive - ENSOLUM, LLC\Desktop\Ensolum GIS\Ensolum GIS\1 - Durango\Hilcorp\San Juan 27-5 #165N

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Delineation Sample Locations

San Juan 27-5 Unit #165N
Hilcorp Energy Company

36.547657, -107.3896179
Rio Arriba County, New Mexico

FIGURE
2

Sources: Google Earth (2022)

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TABLES

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TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
San Juan 27-5 Unit #165N
Hilcorp Energy Company
Rio Arriba County, New Mexico

Sample Identification	Date	Depth (feet bgs)	Chloride Field Test (ppm)	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)
			NE	NE	**10**	NE	NE	NE	**50**	NE	NE	NE	**100**	**600**
BH-1@0-0.5'	9/3/2025	0-0.5'	336	3,140	<1.2	6.2	5.4	75	**86.6**	880	690	<49	**1,570**	490
BH-1@2'	9/3/2025	2'	<156	2,893	<0.049	3.6	1.1	12	16.7	130	34	<48	**164**	56
BH-1@6'	9/3/2025	6'	<156	25.2	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.5	<49	<49	<50
BH-2@0-0.5'	9/3/2025	0-0.5'	<156	8.0	<0.023	<0.046	<0.046	<0.093	<0.093	<4.6	<9.5	<48	<48	<50
BH-2@2'	9/3/2025	2'	<156	76.4	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<9.3	<46	<46	150
BH-2@4'	9/3/2025	4'	<156	23.3	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	<9.5	<48	<48	240
BH-3@0-0.5'	9/3/2025	0-0.5'	<156	15.2	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.5	<47	<47	<50
BH-3@4'	9/3/2025	4'	<156	35.6	<0.023	<0.046	<0.046	<0.092	<0.092	<4.6	<9.3	<47	<47	<50
BH-3@6'	9/3/2025	6'	<156	9.2	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<9.3	<46	<46	<50
BH-4@0-0.5'	9/3/2025	0-0.5'	<156	2.3	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<10	<50	<50	<50
BH-4@2'	9/3/2025	2'	<156	5.4	<0.023	<0.047	<0.047	<0.093	<0.093	<4.7	<9.9	<49	<49	<51
BH-4@6'	9/3/2025	6'	<156	3.4	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.4	<47	<47	<50
BH-5@0-0.5'	9/3/2025	0-0.5'	<156	2.9	<0.024	<0.047	<0.047	<0.094	<0.094	<4.7	<9.6	<48	<48	<50
BH-5@2'	9/3/2025	2'	<156	15.7	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<9.8	<49	<49	<50
BH-5@6'	9/3/2025	6'	<156	3.3	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.2	<46	<46	<50

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
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*

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APPENDIX A

Depth to Water Determination

SD-3886
#436405

WELL PLUGGING PLAN OF OPERATIONS

SJ-3886 # 436405

NOTE: A Well Plugging Plan of Operations shall be filed with and accepted by the Office of the State Engineer prior to plugging.

I. FILING FEE: There is no filing fee for this form.

II. GENERAL / WELL OWNERSHIP:

Existing Office of the State Engineer POD Number (Well Number) for well to be plugged: SJ-3886 POD1-POD4 ~~Un-permitted wells~~

Name of well owner: ConocoPhillips Co.-**San Juan 27-5 No. 34A**

Mailing address: 3401 East 30th St.

City: Farmington State: NM Zip code: 87402

Phone number: 505-326-9549 E-mail: Gwendolynne.Frost@conocophillips.com

III. WELL DRILLER INFORMATION:

Well Driller contracted to provide plugging services: Geomat, Inc,.

New Mexico Well Driller License No.: WD-1762 Expiration Date: 8/30/18

2017 APR 26 PM 2 06 STATE ENGINEER OFFICE AZTEC, NEW MEXICO

IV. WELL INFORMATION:

Note: A copy of the existing Well Record for the well to be plugged should be attached to this plan.

1) **MW1** GPS Well Location: Latitude: 36 deg, 32 min, 50.61 sec
SJ-3886 POD1 Longitude: - 107 deg, 24 min, 23.80 sec, NAD 83

MW2 GPS Well Location: Latitude: 36 deg, 32 min, 51.31 sec
SJ-3886 POD2 Longitude: - 107 deg, 24 min, 23.18 sec, NAD 83

MW3 GPS Well Location: Latitude: 36 deg, 32 min, 50.74 sec
SJ-3886 POD3 Longitude: - 107 deg, 24 min, 22.81 sec, NAD 83

MW4 GPS Well Location: Latitude: 36 deg, 32 min, ~~42.79~~ 49.84 sec
SJ-3886 POD4 Longitude: - 107 deg, 24 min, ~~24.56~~ 24.53 sec, NAD 83

OSE Note: correction per email received May 2, 2017.

2) Reason(s) for plugging well: No Further Action to groundwater monitoring granted by New Mexico Oil Conservation Division. Letter attached.

3) Was well used for any type of monitoring program or environmental assessment? Yes If yes, please use section VII of this form to detail what hydrogeologic parameters were monitored. If the well was used to monitor contaminated or poor quality water, authorization from the New Mexico Environment Department may be required prior to plugging.

4) Does the well tap brackish, saline, or otherwise poor quality water? No If yes, provide additional detail, including analytical results and/or laboratory report(s):

5) Static water level (09/14/2016): MW1: 24.17; MW2: 23.68; MW3: 23.84; MW4: 23.62 feet below land surface / feet above land surface (circle one)

6) Depth of the well: MW1: 32.79; MW2: 34.06; MW3: 32.81; MW4: 33.39 feet

7) Inside diameter of innermost casing: 2 inches.

8) Casing material: PVC

9) The well was constructed with:

_____ an open-hole production interval, state the open interval: _____

X a well screen or perforated pipe, state the screened interval(s): MW1: 18.73-33.73; MW2: 15-30'; MW3: 17.5-32.55'; MW4: 17.6-32.6'

10) What annular interval surrounding the artesian casing of this well is cement-grouted? N/A

11) Was the well built with surface casing? No If yes, is the annulus surrounding the surface casing grouted or otherwise sealed? _____ If yes, please describe: _____

12) Has all pumping equipment and associated piping been removed from the well? N/A If not, describe remaining equipment and intentions to remove prior to plugging in Section VII of this form.

V. DESCRIPTION OF PLANNED WELL PLUGGING:

Note: If this plan proposes to plug an artesian well in a way other than with cement grout, placed bottom to top with a tremie pipe, a detailed diagram of the well showing proposed final plugged configuration shall be attached, as well as any additional technical information, such as geophysical logs, that are necessary to adequately describe the proposal.

1) Describe the method by which cement grout shall be placed in the well, or describe requested plugging methodology proposed for the well: A 95/5 mix of Portland cement and bentonite will be place from the bottom of the well to ground surface using tremmie pipe

2) Will well head be cut-off below land surface after plugging? Yes, approximately 6-in. below grade.

VI. PLUGGING AND SEALING MATERIALS:

Note: The plugging of a well that taps poor quality water may require the use of a specialty cement or specialty sealant

1) For plugging intervals that employ cement grout, complete and attach Table A.

2) For plugging intervals that will employ approved non-cement based sealant(s), complete and attach Table B.

3) Theoretical volume of grout required to plug the well to land surface: Approx. 5.3 gal/well x 4 or 21.29 gal total

4) Type of Cement proposed: Portland Type I/II

5) Proposed cement grout mix: 6 gallons of water per 94 pound sack of Portland cement.

6) Will the grout be: _____batch-mixed and delivered to the site

x mixed on site

2017 APR 26 PM 3:07

STATE ENGINEER OFFICE
AZTEC, NEW MEXICO

	Trn. No	

7) Grout additives requested, and percent by dry weight relative to cement: 5% bentonite

8) Additional notes and calculations: MW1: 32.79' TD x 0.16 gal/ft =5.25 gal bent/grout; MW2: 34.06' TD x 0.16 gal/ft = 5.45 gal bent/grout; MW3: 32.81' TD x 0.16 gal/ft = 5.25 gal bent/grout; MW4: 33.39' TD x 0.16 gal/ft = 5.34 gal bent/grout

VII. ADDITIONAL INFORMATION: List additional information below, or on separate sheet(s):

Wells have been monitored quarterly/annually since 2009 for static groundwater levels and field parameters including temp, pH, conductivity, Dissolved oxygen and oxidation/reduction potential. Laboratory samples have been analyzed for VOCs, dissolved manganese and Total dissolved solids.

STATE ENGINEER OFFICE
AZTEC, NEW MEXICO
2017 APR 26 PM 3:07

VIII. SIGNATURE:

I, Jeff Walker, say that I have carefully read the foregoing Well Plugging Plan of Operations and any attachments, which are a part hereof; that I am familiar with the rules and regulations of the State Engineer pertaining to the plugging of wells and will comply with them, and that each and all of the statements in the Well Plugging Plan of Operations and attachments are true to the best of my knowledge and belief.

J Walker — Signature of Applicant

4/25/17 — Date

IX. ACTION OF THE STATE ENGINEER:

This Well Plugging Plan of Operations is:

_X_ Approved subject to the attached conditions.
_____ Not approved for the reasons provided on the attached letter.

Witness my hand and official seal this 2nd day of May, 2017

Tom Blaine P.E., New Mexico State Engineer

By: [signature]

Kimberly Kirby, Water Resource Spec.
Water Rights Division District V

Trn. No

TABLE A - For plugging intervals that employ cement grout. Start with deepest interval.

	Interval 1 – deepest	Interval 2	Interval 3 – most shallow
			Note: if the well is non-artesian and breaches only one aquifer, use only this column.
Top of proposed interval of grout placement (ft bgl)			Ground surface
Bottom of proposed interval of grout placement (ft bgl)			Bottom of well estimated at from 32 to 34 ' bgs (see text above)
Theoretical volume of grout required per interval (gallons)			5.2 to 5.4 gal/well or approx. 21.3 gal total
Proposed cement grout mix gallons of water per 94-lb. sack of Portland cement			6 gallons
Mixed on-site or batch-mixed and delivered?			On site
Grout additive 1 requested			Bentonite
Additive 1 percent by dry weight relative to cement			5%
Grout additive 2 requested			
Additive 2 percent by dry weight relative to cement			

Trn. No

TABLE B - For plugging intervals that will employ approved non-cement based sealant(s). Start with deepest interval.

	Interval 1 – deepest	Interval 2	Interval 3 – most shallow
			Note: if the well is non-artesian and breaches only one aquifer, use only this column.
Top of proposed interval of sealant placement (ft bgl)			
Bottom of proposed sealant of grout placement (ft bgl)			
Theoretical volume of sealant required per interval (gallons)			
Proposed abandonment sealant (manufacturer and trade name)			

Trn. No

Interstate Stream Commission
A Century of Service to New Mexico

DISTRICT V

Tom Blaine, P.E.

NEW MEXICO STATE ENGINEER

On April 26, 2017, the New Mexico Office of the State Engineer (NMOSE) received a Well Plugging Plan of Operations for four existing wells (SJ-3886 POD1-POD4) used for monitoring groundwater conditions. The plugging plan was submitted by GHD Services, Inc., on behalf of ConocoPhillips Company. The wells to be plugged are associated with the ConocoPhillips Company San Juan 27-5 No.34A site investigation, under New Mexico Oil Conservation Division oversight (NMOCD). According to information provided with the plugging plan, the wells are no longer needed for site monitoring and site closure has been approved by the NMOCD.

The following monitoring wells shall be plugged and abandoned in accordance with 19.27.4 NMAC. Plugging will be performed by Geomat, Inc., under well driller license WD-1762. Depth-to-water in the wells ranges between approximately 23 to 25 feet below land surface, with total well depths ranging between approximately 32 to 34 feet.

Location: SW¼ NW¼ (aka, L2) of Section 30, T27N, R5W, Rio Arriba County, New Mexico. Approximate coordinates of the monitoring wells to be abandoned are listed below (Long/Lat, NAD83).

Well Name	Casing - Inside Diameter (inches)	Longitude (deg. min. sec.)	Latitude (deg. min. sec.)
MW-1 (SJ-3886 POD1)	2-inch PVC	107°24'23.80"W	36°32'50.61"N
MW-2 (SJ-3886 POD2)	2-inch PVC	107°24'23.18"W	36°32'51.31"N
MW-3 (SJ-3886 POD3)	2-inch PVC	107°24'22.81"W	36°32'50.74"N
MW-4 (SJ-3886 POD4)	2-inch PVC	107°24'24.53"W	36°32'49.84"N

Specific Plugging Conditions of Approval

1. Water well drilling and other well drilling activities, including well plugging, are regulated under 19.27.4 NMAC, which requires any person engaged in the business of well drilling within New Mexico to obtain a Well Driller License issued by NMOSE. Thus, well plugging shall be performed by a New Mexico licensed Well Driller.

2. Obstructions in the well/borehole shall be identified and removed if possible. If an obstruction cannot be removed, the method used to grout below and around the obstruction shall be described in detail in the plugging record.

3. The theoretical volume of sealant required for abandonment of a two-inch well casing is approximately 0.16 gallons per linear foot of casing. The theoretical volume of sealant required for abandonment of each well casing shall be determined prior to plugging. The total minimum volume of sealant shall be calculated based on the actual measured pluggable depth of the well

and the volume factor for the casing diameter. The volume of sealing material placed in the well shall be compared with the theoretical volume to verify the actual volume of sealant is equal to or exceeds the theoretical volume.

4. The Well Plugging Plan of Operations submitted proposes the use of Portland Type I/II cement as the plugging sealant. The water mixed with the cement to create the plugging grout shall be potable water or of similar quality. Portland cement has a fundamental water demand of 5.2 gallons of water per 94-lb sack of cement. The mix rate proposed in the plan is approximately 6.0 gallons of water per 94-lb sack of cement. Up to a maximum of 6.0 gallons per 94-lb sack is acceptable to allow for greater pumpability.

   This plugging plan also proposes the addition of 5% bentonite powder to the Portland cement slurry. Pure bentonite powder ("90 barrel yield") is allowed as a cement additive by NMOSE and American Water Works Association (AWWA) guidelines. Neither granular bentonite nor extended-yield bentonite shall be mixed with cement for the purpose of this plugging activity. When supplementing a cement slurry with bentonite powder, water demand for the mix increases at a rate of approximately 0.65 gallon of water for each 1% increment of bentonite bdwc (by dry weight cement) above the stated base water demand of 6.0 gallons of water per 94-lb sack of cement for neat cement. Bentonite powder must be hydrated separately with its required increment of water before being mixed into the wet neat cement. If water is otherwise added to the combination of dry ingredients or the dry bentonite is blended into wet cement, the alkalinity of the cement will restrict the yield of the bentonite powder, resulting in excess free water in the slurry and excessive cement shrinkage upon curing.

5. Placement of the sealant within the well/borehole shall be by pumping through a tremie pipe extended to near the bottom of the well/borehole and kept below the top of the slurry column (i.e., immersed in the slurry) as the well/borehole is plugged from bottom upwards in a manner that displaces the standing water column.

6. Prior to, or upon completion of plugging, the well casing may be cut-off below grade as necessary to allow for approved construction onsite, provided a minimum six-inch thickness of reinforced abandonment plugging sealant or concrete completely covers the top of the cut-off casing. Any remaining void to the surface may be filled with native soil, concrete, or asphalt as needed to match the surrounding surface material and blended with the surface topography to prevent ponding.

7. Should NMED or another regulatory agency sharing jurisdiction of the project authorize or by regulation require a more stringent well plugging procedure than herein described, the more stringent procedure shall be followed. This, in part, includes provisions regarding pre-authorization to proceed, contaminant remediation, inspection, pulling/perforating of casing, or prohibition of free discharge of any fluid from the borehole during or related to the plugging process.

8. Witnessing of the plugging work by NMOSE will not be required, but shall be facilitated if an NMOSE observer is onsite. NMOSE witnessing may be requested during normal work hours by calling the NMOSE - District V Office at (505) 334-4571, at least 48 hours in advance. NMOSE inspection will occur depending on personnel availability.

9. **Within 20 days after completion of well/borehole plugging, a complete Plugging Record shall be filed with the State** Engineer in accordance with Paragraph (3) of Subsection C of

19.27.4.30 NMAC for each well/boring plugged. The Well Plugging Record(s) shall be filed with the State Engineer at the NMOSE District V Office, 100 Gossett Drive, Suite A, Aztec, NM 87410. The required well plugging record form is available at the following web address: http://www.ose.state.nm.us/PDF/WellDrillers/WD-11.pdf.

10. While documentation may or may not have been provided with this Well Plugging Plan of Operations indicating that access has been granted for any aforementioned well(s) located on property owned by someone other than the well owner/applicant, NMOSE approval of this plugging plan in no way infers the right of access to land not owned by the well owner/applicant.

The Well Plugging Plan of Operations received April 26, 2017, with NMOSE annotations (if applicable) is hereby approved with the aforesaid conditions applied, when signed by an authorized designee of the State Engineer:

Date: May 2, 2017

Kimberly Kirby, Water Resource Specialist
Water Rights Division District V

NMOSE Plugging Plan of Operations – SJ-3886
Conditions of Approval
Page 4 of 4

ConocoPhillips Co.
May 2, 2017

Map Description: ConocoPhillips Company
Site Investigation, San Juan 27-5 No. 34A
Data sources: Plugging Plan filed April 26, 2017
File number: SJ-3886
Aerial Photography: 2009

STATE OF NEW MEXICO
Office of the State Engineer
Tom Blaine, P.E.
State Engineer

District V Office, Aztec
Well Location Map

Office of the State Engineer
nm
Interstate Stream Commission

STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER
AZTEC

Tom Blaine, P.E.
State Engineer

100 Gossett Drive, Suite A
Aztec, New Mexico 87410

May 2, 2017

Jeff Walker, Project Manager
GHD Services, Inc.
6121 Indian School Rd., NE, Ste 200
Albuquerque, NM 87110

RE: Well Plugging Plan of Operations Approval, SJ-3886, ConocoPhillips Co., San Juan 27-5 No. 34A

Dear Mr. Walker:

On April 26, 2017, the New Mexico Office of the State Engineer (NMOSE) received a Well Plugging Plan of Operations proposing to plug four monitoring wells, SJ-3886 POD1-POD4, associated with the groundwater investigation for the above referenced location. The plan was submitted by GHD Services, Inc., on behalf of ConocoPhillips Company. NMOSE approves the proposed Well Plugging Plan of Operations with the attached Specific Plugging Conditions (enclosed).

Within 20 days after completion of well plugging, please submit complete well Plugging Records (OSE Form WD-11) describing the actual abandonment process and itemizing the materials used. The plugging records should be sent to the NMOSE District V, 100 Gossett Drive, Suite A, Aztec, NM, 87410.

If you have any questions regarding this approval action, please feel free to contact me at (505) 334-4571.

Sincerely,

Kimberly Kirby
Water Resource Specialist
Water Rights Division District V

Enclosures

cc: Aztec Reading (w/o enclosures)
SJ-3886 File
WATERS
Gwen Frost, ConocoPhillips Co., via email: Gwendolynne.Frost@conocophillips.com

ENSOLUM

APPENDIX B

Agency Correspondence

From: OCDOnline@state.nm.us
To: Stuart Hyde
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 499702
Date: Wednesday, August 27, 2025 10:22:08 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#) nAPP2523829477.

The sampling event is expected to take place:

When: 09/03/2025 @ 10:00
Where: E-29-27N-05W 1785 FNL 435 FWL (36.54748,-107.38906)

Additional Information: Stuart Hyde, 970-903-1607. Delineation sampling to occur to assess release impacts

Additional Instructions: Hilcorp San Juan 27-5 #165N well pad, coordinates 36.54748, -107.38906

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 confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.**

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

ENSOLUM

APPENDIX C

Photographic Log

ENSOLUM

Photographic Log
Hilcorp Energy Company
San Juan 27-5 Unit #165N
Rio Arriba County, New Mexico

Photograph: 1 Date: 9/3/2025
Description: View of BH-1
View: West

Photograph: 2 Date: 9/3/2025
Description: View of BH-2
View: West

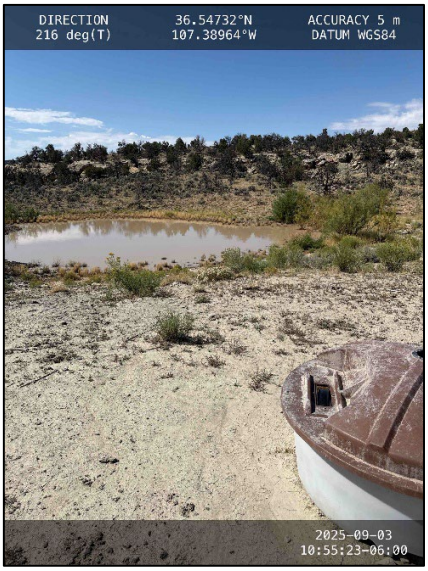
Photograph: 3 Date: 9/3/2025
Description: View of BH-3
View: North

Photograph: 4 Date: 9/3/2025
Description: View of BH-4
View: East

ENSOLUM

Photographic Log
Hilcorp Energy Company
San Juan 27-5 Unit #165N
Rio Arriba County, New Mexico

Photograph: 5 Date: 9/3/2025
Description: View of BH-5
View: South



Photograph: 6 Date: 9/3/2025
Description: View of pond near well pad
View: Southwest

ENSOLUM

APPENDIX D

Laboratory Analytical Reports

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Kate Kaufman
Hilcorp Energy
PO BOX 4700
Farmington, New Mexico 87499

Generated 9/11/2025 5:08:19 PM

JOB DESCRIPTION

San Juan 27-5 #165N

JOB NUMBER

885-32607-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.

Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

Generated
9/11/2025 5:08:19 PM

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

Client: Hilcorp Energy
Project/Site: San Juan 27-5 #165N

Laboratory Job ID: 885-32607-1

Table of Contents

Definitions/Glossary

Client: Hilcorp Energy
Job ID: 885-32607-1
Project/Site: San Juan 27-5 #165N

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Hilcorp Energy
Project: San Juan 27-5 #165N

Job ID: 885-32607-1

Job ID: 885-32607-1 Eurofins Albuquerque

Job Narrative
885-32607-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 9/5/2025 7:10 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.1°C.

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

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

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

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

Client Sample Results

Client: Hilcorp Energy
Project/Site: San Juan 27-5 #165N

Job ID: 885-32607-1

Client Sample ID: BH-1@0-0.5'
Date Collected: 09/03/25 11:45
Date Received: 09/05/25 07:10

Lab Sample ID: 885-32607-1
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	880		240		mg/Kg		09/08/25 10:05	09/11/25 00:56	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*137*		*15 - 150*	*09/08/25 10:05*	*09/11/25 00:56*	*50*

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.2		mg/Kg		09/08/25 10:05	09/11/25 00:56	50
Ethylbenzene	5.4		2.4		mg/Kg		09/08/25 10:05	09/11/25 00:56	50
Toluene	6.2		2.4		mg/Kg		09/08/25 10:05	09/11/25 00:56	50
Xylenes, Total	75		4.9		mg/Kg		09/08/25 10:05	09/11/25 00:56	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*15 - 150*	*09/08/25 10:05*	*09/11/25 00:56*	*50*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	690		9.7		mg/Kg		09/10/25 13:31	09/11/25 02:28	1
Motor Oil Range Organics [C28-C40]	ND		49		mg/Kg		09/10/25 13:31	09/11/25 02:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*114*		*62 - 134*	*09/10/25 13:31*	*09/11/25 02:28*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	490		50		mg/Kg		09/09/25 14:52	09/09/25 21:41	10

Client Sample Results

Client: Hilcorp Energy
Project/Site: San Juan 27-5 #165N

Job ID: 885-32607-1

Client Sample ID: BH-1@2'

Date Collected: 09/03/25 11:55
Date Received: 09/05/25 07:10

Lab Sample ID: 885-32607-2

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	130		97		mg/Kg		09/08/25 10:05	09/11/25 01:19	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*15 - 150*	*09/08/25 10:05*	*09/11/25 01:19*	*20*

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.49		mg/Kg		09/08/25 10:05	09/11/25 01:19	20
Ethylbenzene	1.1		0.97		mg/Kg		09/08/25 10:05	09/11/25 01:19	20
Toluene	3.6		0.97		mg/Kg		09/08/25 10:05	09/11/25 01:19	20
Xylenes, Total	12		1.9		mg/Kg		09/08/25 10:05	09/11/25 01:19	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*15 - 150*	*09/08/25 10:05*	*09/11/25 01:19*	*20*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	34		9.7		mg/Kg		09/10/25 13:31	09/11/25 02:40	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		09/10/25 13:31	09/11/25 02:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*109*		*62 - 134*	*09/10/25 13:31*	*09/11/25 02:40*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	56		50		mg/Kg		09/09/25 14:52	09/09/25 21:52	10

Client Sample Results

Client: Hilcorp Energy
Project/Site: San Juan 27-5 #165N

Job ID: 885-32607-1

Client Sample ID: BH-1@6'

Date Collected: 09/03/25 12:45
Date Received: 09/05/25 07:10

Lab Sample ID: 885-32607-3

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9		mg/Kg		09/08/25 10:05	09/11/25 01:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*15 - 150*	*09/08/25 10:05*	*09/11/25 01:43*	*1*

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		09/08/25 10:05	09/11/25 01:43	1
Ethylbenzene	ND		0.049		mg/Kg		09/08/25 10:05	09/11/25 01:43	1
Toluene	ND		0.049		mg/Kg		09/08/25 10:05	09/11/25 01:43	1
Xylenes, Total	ND		0.099		mg/Kg		09/08/25 10:05	09/11/25 01:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*15 - 150*	*09/08/25 10:05*	*09/11/25 01:43*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5		mg/Kg		09/10/25 13:31	09/11/25 02:52	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		09/10/25 13:31	09/11/25 02:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*108*		*62 - 134*	*09/10/25 13:31*	*09/11/25 02:52*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50		mg/Kg		09/09/25 14:52	09/09/25 22:03	10

Client Sample Results

Client: Hilcorp Energy
Project/Site: San Juan 27-5 #165N

Job ID: 885-32607-1

Client Sample ID: BH-2@0-0.5'
Date Collected: 09/03/25 13:12
Date Received: 09/05/25 07:10

Lab Sample ID: 885-32607-4
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.6		mg/Kg		09/08/25 10:05	09/11/25 02:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*15 - 150*	*09/08/25 10:05*	*09/11/25 02:07*	*1*

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023		mg/Kg		09/08/25 10:05	09/11/25 02:07	1
Ethylbenzene	ND		0.046		mg/Kg		09/08/25 10:05	09/11/25 02:07	1
Toluene	ND		0.046		mg/Kg		09/08/25 10:05	09/11/25 02:07	1
Xylenes, Total	ND		0.093		mg/Kg		09/08/25 10:05	09/11/25 02:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*15 - 150*	*09/08/25 10:05*	*09/11/25 02:07*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5		mg/Kg		09/10/25 13:31	09/11/25 03:05	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		09/10/25 13:31	09/11/25 03:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*109*		*62 - 134*	*09/10/25 13:31*	*09/11/25 03:05*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50		mg/Kg		09/09/25 14:52	09/09/25 22:14	10

Client Sample Results

Client: Hilcorp Energy
Project/Site: San Juan 27-5 #165N

Job ID: 885-32607-1

Client Sample ID: BH-2@2'

Date Collected: 09/03/25 13:21
Date Received: 09/05/25 07:10

Lab Sample ID: 885-32607-5

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.8		mg/Kg		09/08/25 10:05	09/11/25 02:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*15 - 150*	*09/08/25 10:05*	*09/11/25 02:31*	*1*

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		09/08/25 10:05	09/11/25 02:31	1
Ethylbenzene	ND		0.048		mg/Kg		09/08/25 10:05	09/11/25 02:31	1
Toluene	ND		0.048		mg/Kg		09/08/25 10:05	09/11/25 02:31	1
Xylenes, Total	ND		0.097		mg/Kg		09/08/25 10:05	09/11/25 02:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*15 - 150*	*09/08/25 10:05*	*09/11/25 02:31*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3		mg/Kg		09/10/25 13:31	09/11/25 03:17	1
Motor Oil Range Organics [C28-C40]	ND		46		mg/Kg		09/10/25 13:31	09/11/25 03:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*104*		*62 - 134*	*09/10/25 13:31*	*09/11/25 03:17*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**150**		49		mg/Kg		09/09/25 14:52	09/09/25 22:24	10

Client Sample Results

Client: Hilcorp Energy
Project/Site: San Juan 27-5 #165N

Job ID: 885-32607-1

Client Sample ID: BH-2@4'

Date Collected: 09/03/25 13:42
Date Received: 09/05/25 07:10

Lab Sample ID: 885-32607-6

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.8		mg/Kg		09/08/25 10:05	09/11/25 03:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*15 - 150*	*09/08/25 10:05*	*09/11/25 03:18*	*1*

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		09/08/25 10:05	09/11/25 03:18	1
Ethylbenzene	ND		0.048		mg/Kg		09/08/25 10:05	09/11/25 03:18	1
Toluene	ND		0.048		mg/Kg		09/08/25 10:05	09/11/25 03:18	1
Xylenes, Total	ND		0.095		mg/Kg		09/08/25 10:05	09/11/25 03:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*15 - 150*	*09/08/25 10:05*	*09/11/25 03:18*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5		mg/Kg		09/10/25 14:23	09/11/25 04:44	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		09/10/25 14:23	09/11/25 04:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*111*		*62 - 134*	*09/10/25 14:23*	*09/11/25 04:44*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**240**		50		mg/Kg		09/09/25 14:52	09/09/25 22:35	10

Client Sample Results

Client: Hilcorp Energy
Project/Site: San Juan 27-5 #165N

Job ID: 885-32607-1

Client Sample ID: BH-3@0-0.5'

Date Collected: 09/03/25 13:59
Date Received: 09/05/25 07:10

Lab Sample ID: 885-32607-7

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9		mg/Kg		09/08/25 10:05	09/11/25 03:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*15 - 150*	*09/08/25 10:05*	*09/11/25 03:42*	*1*

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		09/08/25 10:05	09/11/25 03:42	1
Ethylbenzene	ND		0.049		mg/Kg		09/08/25 10:05	09/11/25 03:42	1
Toluene	ND		0.049		mg/Kg		09/08/25 10:05	09/11/25 03:42	1
Xylenes, Total	ND		0.098		mg/Kg		09/08/25 10:05	09/11/25 03:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*15 - 150*	*09/08/25 10:05*	*09/11/25 03:42*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5		mg/Kg		09/10/25 14:23	09/11/25 05:22	1
Motor Oil Range Organics [C28-C40]	ND		47		mg/Kg		09/10/25 14:23	09/11/25 05:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*107*		*62 - 134*	*09/10/25 14:23*	*09/11/25 05:22*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50		mg/Kg		09/09/25 14:52	09/09/25 22:46	10

Client Sample Results

Client: Hilcorp Energy
Project/Site: San Juan 27-5 #165N

Job ID: 885-32607-1

Client Sample ID: BH-3@4'

Date Collected: 09/03/25 14:35
Date Received: 09/05/25 07:10

Lab Sample ID: 885-32607-8

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.6		mg/Kg		09/08/25 10:05	09/11/25 04:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*15 - 150*	*09/08/25 10:05*	*09/11/25 04:06*	*1*

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023		mg/Kg		09/08/25 10:05	09/11/25 04:06	1
Ethylbenzene	ND		0.046		mg/Kg		09/08/25 10:05	09/11/25 04:06	1
Toluene	ND		0.046		mg/Kg		09/08/25 10:05	09/11/25 04:06	1
Xylenes, Total	ND		0.092		mg/Kg		09/08/25 10:05	09/11/25 04:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*15 - 150*	*09/08/25 10:05*	*09/11/25 04:06*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3		mg/Kg		09/10/25 14:23	09/11/25 05:34	1
Motor Oil Range Organics [C28-C40]	ND		47		mg/Kg		09/10/25 14:23	09/11/25 05:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*111*		*62 - 134*	*09/10/25 14:23*	*09/11/25 05:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50		mg/Kg		09/09/25 14:52	09/09/25 22:57	10

Client Sample Results

Client: Hilcorp Energy
Project/Site: San Juan 27-5 #165N

Job ID: 885-32607-1

Client Sample ID: BH-3@6'

Date Collected: 09/03/25 14:43
Date Received: 09/05/25 07:10

Lab Sample ID: 885-32607-9

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.7		mg/Kg		09/08/25 10:05	09/11/25 04:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*15 - 150*	*09/08/25 10:05*	*09/11/25 04:30*	*1*

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		09/08/25 10:05	09/11/25 04:30	1
Ethylbenzene	ND		0.047		mg/Kg		09/08/25 10:05	09/11/25 04:30	1
Toluene	ND		0.047		mg/Kg		09/08/25 10:05	09/11/25 04:30	1
Xylenes, Total	ND		0.095		mg/Kg		09/08/25 10:05	09/11/25 04:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*15 - 150*	*09/08/25 10:05*	*09/11/25 04:30*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3		mg/Kg		09/10/25 14:23	09/11/25 05:46	1
Motor Oil Range Organics [C28-C40]	ND		46		mg/Kg		09/10/25 14:23	09/11/25 05:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*107*		*62 - 134*	*09/10/25 14:23*	*09/11/25 05:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50		mg/Kg		09/09/25 14:52	09/09/25 23:08	10

Client Sample Results

Client: Hilcorp Energy
Project/Site: San Juan 27-5 #165N

Job ID: 885-32607-1

Client Sample ID: BH-4@0-0.5'

Date Collected: 09/03/25 14:53
Date Received: 09/05/25 07:10

Lab Sample ID: 885-32607-10

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.8		mg/Kg		09/08/25 10:05	09/11/25 04:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*15 - 150*	*09/08/25 10:05*	*09/11/25 04:53*	*1*

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		09/08/25 10:05	09/11/25 04:53	1
Ethylbenzene	ND		0.048		mg/Kg		09/08/25 10:05	09/11/25 04:53	1
Toluene	ND		0.048		mg/Kg		09/08/25 10:05	09/11/25 04:53	1
Xylenes, Total	ND		0.096		mg/Kg		09/08/25 10:05	09/11/25 04:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*15 - 150*	*09/08/25 10:05*	*09/11/25 04:53*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10		mg/Kg		09/10/25 14:23	09/11/25 06:10	1
Motor Oil Range Organics [C28-C40]	ND		50		mg/Kg		09/10/25 14:23	09/11/25 06:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*112*		*62 - 134*	*09/10/25 14:23*	*09/11/25 06:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50		mg/Kg		09/09/25 14:52	09/09/25 23:40	10

Client Sample Results

Client: Hilcorp Energy
Project/Site: San Juan 27-5 #165N

Job ID: 885-32607-1

Client Sample ID: BH-4@2'

Date Collected: 09/03/25 14:13
Date Received: 09/05/25 07:10

Lab Sample ID: 885-32607-11

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.7		mg/Kg		09/08/25 10:05	09/11/25 05:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*15 - 150*	*09/08/25 10:05*	*09/11/25 05:17*	*1*

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023		mg/Kg		09/08/25 10:05	09/11/25 05:17	1
Ethylbenzene	ND		0.047		mg/Kg		09/08/25 10:05	09/11/25 05:17	1
Toluene	ND		0.047		mg/Kg		09/08/25 10:05	09/11/25 05:17	1
Xylenes, Total	ND		0.093		mg/Kg		09/08/25 10:05	09/11/25 05:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*15 - 150*	*09/08/25 10:05*	*09/11/25 05:17*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9		mg/Kg		09/10/25 14:23	09/11/25 06:22	1
Motor Oil Range Organics [C28-C40]	ND		49		mg/Kg		09/10/25 14:23	09/11/25 06:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*110*		*62 - 134*	*09/10/25 14:23*	*09/11/25 06:22*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		51		mg/Kg		09/09/25 14:52	09/09/25 23:51	10

Client Sample Results

Client: Hilcorp Energy
Project/Site: San Juan 27-5 #165N

Job ID: 885-32607-1

Client Sample ID: BH-4@6'

Date Collected: 09/03/25 14:47
Date Received: 09/05/25 07:10

Lab Sample ID: 885-32607-12

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9		mg/Kg		09/08/25 10:05	09/11/25 05:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*15 - 150*	*09/08/25 10:05*	*09/11/25 05:41*	*1*

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		09/08/25 10:05	09/11/25 05:41	1
Ethylbenzene	ND		0.049		mg/Kg		09/08/25 10:05	09/11/25 05:41	1
Toluene	ND		0.049		mg/Kg		09/08/25 10:05	09/11/25 05:41	1
Xylenes, Total	ND		0.098		mg/Kg		09/08/25 10:05	09/11/25 05:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*15 - 150*	*09/08/25 10:05*	*09/11/25 05:41*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4		mg/Kg		09/10/25 14:23	09/11/25 06:34	1
Motor Oil Range Organics [C28-C40]	ND		47		mg/Kg		09/10/25 14:23	09/11/25 06:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*104*		*62 - 134*	*09/10/25 14:23*	*09/11/25 06:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50		mg/Kg		09/09/25 14:52	09/10/25 00:02	10

Client Sample Results

Client: Hilcorp Energy
Project/Site: San Juan 27-5 #165N

Job ID: 885-32607-1

Client Sample ID: BH5-@0-0.5'

Date Collected: 09/03/25 16:11
Date Received: 09/05/25 07:10

Lab Sample ID: 885-32607-13

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.7		mg/Kg		09/08/25 10:05	09/11/25 06:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*15 - 150*	*09/08/25 10:05*	*09/11/25 06:04*	*1*

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		09/08/25 10:05	09/11/25 06:04	1
Ethylbenzene	ND		0.047		mg/Kg		09/08/25 10:05	09/11/25 06:04	1
Toluene	ND		0.047		mg/Kg		09/08/25 10:05	09/11/25 06:04	1
Xylenes, Total	ND		0.094		mg/Kg		09/08/25 10:05	09/11/25 06:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*15 - 150*	*09/08/25 10:05*	*09/11/25 06:04*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6		mg/Kg		09/10/25 14:23	09/11/25 06:46	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		09/10/25 14:23	09/11/25 06:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*106*		*62 - 134*	*09/10/25 14:23*	*09/11/25 06:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50		mg/Kg		09/09/25 14:52	09/10/25 00:13	10

Client Sample Results

Client: Hilcorp Energy
Project/Site: San Juan 27-5 #165N

Job ID: 885-32607-1

Client Sample ID: BH5-@2'
Date Collected: 09/03/25 16:22
Date Received: 09/05/25 07:10

Lab Sample ID: 885-32607-14
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.7		mg/Kg		09/08/25 10:05	09/11/25 06:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*15 - 150*	*09/08/25 10:05*	*09/11/25 06:28*	*1*

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		09/08/25 10:05	09/11/25 06:28	1
Ethylbenzene	ND		0.047		mg/Kg		09/08/25 10:05	09/11/25 06:28	1
Toluene	ND		0.047		mg/Kg		09/08/25 10:05	09/11/25 06:28	1
Xylenes, Total	ND		0.095		mg/Kg		09/08/25 10:05	09/11/25 06:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*15 - 150*	*09/08/25 10:05*	*09/11/25 06:28*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8		mg/Kg		09/10/25 14:23	09/11/25 06:58	1
Motor Oil Range Organics [C28-C40]	ND		49		mg/Kg		09/10/25 14:23	09/11/25 06:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*103*		*62 - 134*	*09/10/25 14:23*	*09/11/25 06:58*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50		mg/Kg		09/09/25 14:52	09/10/25 00:24	10

Client Sample Results

Client: Hilcorp Energy
Project/Site: San Juan 27-5 #165N

Job ID: 885-32607-1

Client Sample ID: BH5-@6'

Date Collected: 09/03/25 16:45
Date Received: 09/05/25 07:10

Lab Sample ID: 885-32607-15

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9		mg/Kg		09/08/25 10:05	09/11/25 06:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*15 - 150*	*09/08/25 10:05*	*09/11/25 06:51*	*1*

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		09/08/25 10:05	09/11/25 06:51	1
Ethylbenzene	ND		0.049		mg/Kg		09/08/25 10:05	09/11/25 06:51	1
Toluene	ND		0.049		mg/Kg		09/08/25 10:05	09/11/25 06:51	1
Xylenes, Total	ND		0.099		mg/Kg		09/08/25 10:05	09/11/25 06:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*15 - 150*	*09/08/25 10:05*	*09/11/25 06:51*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.2		mg/Kg		09/10/25 14:23	09/11/25 07:10	1
Motor Oil Range Organics [C28-C40]	ND		46		mg/Kg		09/10/25 14:23	09/11/25 07:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*101*		*62 - 134*	*09/10/25 14:23*	*09/11/25 07:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50		mg/Kg		09/09/25 14:52	09/10/25 00:35	10

QC Sample Results

Client: Hilcorp Energy
Project/Site: San Juan 27-5 #165N

Job ID: 885-32607-1

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

Lab Sample ID: MB 885-34120/1-A
Matrix: Solid
Analysis Batch: 34399

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 34120

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0		mg/Kg		09/08/25 10:05	09/10/25 20:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*15 - 150*	*09/08/25 10:05*	*09/10/25 20:59*	*1*

Lab Sample ID: LCS 885-34120/2-A
Matrix: Solid
Analysis Batch: 34399

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 34120

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics [C6 - C10]			25.0	19.4		mg/Kg		78	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*206*		*15 - 150*

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-34120/1-A
Matrix: Solid
Analysis Batch: 34400

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 34120

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		09/08/25 10:05	09/10/25 20:59	1
Ethylbenzene	ND		0.050		mg/Kg		09/08/25 10:05	09/10/25 20:59	1
Toluene	ND		0.050		mg/Kg		09/08/25 10:05	09/10/25 20:59	1
Xylenes, Total	ND		0.10		mg/Kg		09/08/25 10:05	09/10/25 20:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*15 - 150*	*09/08/25 10:05*	*09/10/25 20:59*	*1*

Lab Sample ID: LCS 885-34120/3-A
Matrix: Solid
Analysis Batch: 34400

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 34120

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			1.00	1.04		mg/Kg		104	70 - 130		
Ethylbenzene			1.00	1.03		mg/Kg		103	70 - 130		
m&p-Xylene			2.00	2.05		mg/Kg		103	70 - 130		
o-Xylene			1.00	0.989		mg/Kg		99	70 - 130		
Toluene			1.00	1.02		mg/Kg		102	70 - 130		
Xylenes, Total			3.00	3.04		mg/Kg		101	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*15 - 150*

QC Sample Results

Client: Hilcorp Energy
Project/Site: San Juan 27-5 #165N

Job ID: 885-32607-1

Method: 8015M/D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 885-34372/1-A
Matrix: Solid
Analysis Batch: 34317

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 34372

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10		mg/Kg		09/10/25 13:31	09/10/25 22:18	1
Motor Oil Range Organics [C28-C40]	ND		50		mg/Kg		09/10/25 13:31	09/10/25 22:18	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*111*		*62 - 134*	*09/10/25 13:31*	*09/10/25 22:18*	*1*

Lab Sample ID: LCS 885-34372/2-A
Matrix: Solid
Analysis Batch: 34317

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 34372

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10-C28]			50.0	54.4		mg/Kg		109	51 - 148		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Di-n-octyl phthalate (Surr)	*115*		*62 - 134*

Lab Sample ID: MB 885-34379/1-A
Matrix: Solid
Analysis Batch: 34317

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 34379

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10		mg/Kg		09/10/25 14:23	09/11/25 03:55	1
Motor Oil Range Organics [C28-C40]	ND		50		mg/Kg		09/10/25 14:23	09/11/25 03:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*105*		*62 - 134*	*09/10/25 14:23*	*09/11/25 03:55*	*1*

Lab Sample ID: LCS 885-34379/2-A
Matrix: Solid
Analysis Batch: 34317

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 34379

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10-C28]			50.0	47.9		mg/Kg		96	51 - 148		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Di-n-octyl phthalate (Surr)	*107*		*62 - 134*

Lab Sample ID: 885-32607-6 MS
Matrix: Solid
Analysis Batch: 34317

Client Sample ID: BH-2@4'
Prep Type: Total/NA
Prep Batch: 34379

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10-C28]	ND		46.0	46.6		mg/Kg		101	44 - 136		

QC Sample Results

Client: Hilcorp Energy
Project/Site: San Juan 27-5 #165N

Job ID: 885-32607-1

Method: 8015M/D - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 885-32607-6 MS
Matrix: Solid
Analysis Batch: 34317

Client Sample ID: BH-2@4'
Prep Type: Total/NA
Prep Batch: 34379

Surrogate	MS %Recovery	MS Qualifier	Limits
Di-n-octyl phthalate (Surr)	*118*		*62 - 134*

Lab Sample ID: 885-32607-6 MSD
Matrix: Solid
Analysis Batch: 34317

Client Sample ID: BH-2@4'
Prep Type: Total/NA
Prep Batch: 34379

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	ND		46.6	46.1		mg/Kg		99	44 - 136	1	32

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Di-n-octyl phthalate (Surr)	*116*		*62 - 134*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-34282/1-A
Matrix: Solid
Analysis Batch: 34251

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 34282

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		5.0		mg/Kg		09/09/25 14:52	09/09/25 19:20	1

Lab Sample ID: LCS 885-34282/2-A
Matrix: Solid
Analysis Batch: 34251

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 34282

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			50.2	50.3		mg/Kg		100	90 - 110		

QC Association Summary

Client: Hilcorp Energy
Job ID: 885-32607-1
Project/Site: San Juan 27-5 #165N

GC VOA

Prep Batch: 34120

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-32607-1	BH-1@0-0.5'	Total/NA	Solid	5030C	
885-32607-2	BH-1@2'	Total/NA	Solid	5030C	
885-32607-3	BH-1@6'	Total/NA	Solid	5030C	
885-32607-4	BH-2@0-0.5'	Total/NA	Solid	5030C	
885-32607-5	BH-2@2'	Total/NA	Solid	5030C	
885-32607-6	BH-2@4'	Total/NA	Solid	5030C	
885-32607-7	BH-3@0-0.5'	Total/NA	Solid	5030C	
885-32607-8	BH-3@4'	Total/NA	Solid	5030C	
885-32607-9	BH-3@6'	Total/NA	Solid	5030C	
885-32607-10	BH-4@0-0.5'	Total/NA	Solid	5030C	
885-32607-11	BH-4@2'	Total/NA	Solid	5030C	
885-32607-12	BH-4@6'	Total/NA	Solid	5030C	
885-32607-13	BH5-@0-0.5'	Total/NA	Solid	5030C	
885-32607-14	BH5-@2'	Total/NA	Solid	5030C	
885-32607-15	BH5-@6'	Total/NA	Solid	5030C	
MB 885-34120/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-34120/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-34120/3-A	Lab Control Sample	Total/NA	Solid	5030C	

Analysis Batch: 34399

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-32607-1	BH-1@0-0.5'	Total/NA	Solid	8015M/D	34120
885-32607-2	BH-1@2'	Total/NA	Solid	8015M/D	34120
885-32607-3	BH-1@6'	Total/NA	Solid	8015M/D	34120
885-32607-4	BH-2@0-0.5'	Total/NA	Solid	8015M/D	34120
885-32607-5	BH-2@2'	Total/NA	Solid	8015M/D	34120
885-32607-6	BH-2@4'	Total/NA	Solid	8015M/D	34120
885-32607-7	BH-3@0-0.5'	Total/NA	Solid	8015M/D	34120
885-32607-8	BH-3@4'	Total/NA	Solid	8015M/D	34120
885-32607-9	BH-3@6'	Total/NA	Solid	8015M/D	34120
885-32607-10	BH-4@0-0.5'	Total/NA	Solid	8015M/D	34120
885-32607-11	BH-4@2'	Total/NA	Solid	8015M/D	34120
885-32607-12	BH-4@6'	Total/NA	Solid	8015M/D	34120
885-32607-13	BH5-@0-0.5'	Total/NA	Solid	8015M/D	34120
885-32607-14	BH5-@2'	Total/NA	Solid	8015M/D	34120
885-32607-15	BH5-@6'	Total/NA	Solid	8015M/D	34120
MB 885-34120/1-A	Method Blank	Total/NA	Solid	8015M/D	34120
LCS 885-34120/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	34120

Analysis Batch: 34400

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-32607-1	BH-1@0-0.5'	Total/NA	Solid	8021B	34120
885-32607-2	BH-1@2'	Total/NA	Solid	8021B	34120
885-32607-3	BH-1@6'	Total/NA	Solid	8021B	34120
885-32607-4	BH-2@0-0.5'	Total/NA	Solid	8021B	34120
885-32607-5	BH-2@2'	Total/NA	Solid	8021B	34120
885-32607-6	BH-2@4'	Total/NA	Solid	8021B	34120
885-32607-7	BH-3@0-0.5'	Total/NA	Solid	8021B	34120
885-32607-8	BH-3@4'	Total/NA	Solid	8021B	34120
885-32607-9	BH-3@6'	Total/NA	Solid	8021B	34120
885-32607-10	BH-4@0-0.5'	Total/NA	Solid	8021B	34120

QC Association Summary

Client: Hilcorp Energy
Job ID: 885-32607-1
Project/Site: San Juan 27-5 #165N

GC VOA (Continued)

Analysis Batch: 34400 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-32607-11	BH-4@2'	Total/NA	Solid	8021B	34120
885-32607-12	BH-4@6'	Total/NA	Solid	8021B	34120
885-32607-13	BH5-@0-0.5'	Total/NA	Solid	8021B	34120
885-32607-14	BH5-@2'	Total/NA	Solid	8021B	34120
885-32607-15	BH5-@6'	Total/NA	Solid	8021B	34120
MB 885-34120/1-A	Method Blank	Total/NA	Solid	8021B	34120
LCS 885-34120/3-A	Lab Control Sample	Total/NA	Solid	8021B	34120

GC Semi VOA

Analysis Batch: 34317

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-32607-1	BH-1@0-0.5'	Total/NA	Solid	8015M/D	34372
885-32607-2	BH-1@2'	Total/NA	Solid	8015M/D	34372
885-32607-3	BH-1@6'	Total/NA	Solid	8015M/D	34372
885-32607-4	BH-2@0-0.5'	Total/NA	Solid	8015M/D	34372
885-32607-5	BH-2@2'	Total/NA	Solid	8015M/D	34372
885-32607-6	BH-2@4'	Total/NA	Solid	8015M/D	34379
885-32607-7	BH-3@0-0.5'	Total/NA	Solid	8015M/D	34379
885-32607-8	BH-3@4'	Total/NA	Solid	8015M/D	34379
885-32607-9	BH-3@6'	Total/NA	Solid	8015M/D	34379
885-32607-10	BH-4@0-0.5'	Total/NA	Solid	8015M/D	34379
885-32607-11	BH-4@2'	Total/NA	Solid	8015M/D	34379
885-32607-12	BH-4@6'	Total/NA	Solid	8015M/D	34379
885-32607-13	BH5-@0-0.5'	Total/NA	Solid	8015M/D	34379
885-32607-14	BH5-@2'	Total/NA	Solid	8015M/D	34379
885-32607-15	BH5-@6'	Total/NA	Solid	8015M/D	34379
MB 885-34372/1-A	Method Blank	Total/NA	Solid	8015M/D	34372
MB 885-34379/1-A	Method Blank	Total/NA	Solid	8015M/D	34379
LCS 885-34372/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	34372
LCS 885-34379/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	34379
885-32607-6 MS	BH-2@4'	Total/NA	Solid	8015M/D	34379
885-32607-6 MSD	BH-2@4'	Total/NA	Solid	8015M/D	34379

Prep Batch: 34372

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-32607-1	BH-1@0-0.5'	Total/NA	Solid	SHAKE	
885-32607-2	BH-1@2'	Total/NA	Solid	SHAKE	
885-32607-3	BH-1@6'	Total/NA	Solid	SHAKE	
885-32607-4	BH-2@0-0.5'	Total/NA	Solid	SHAKE	
885-32607-5	BH-2@2'	Total/NA	Solid	SHAKE	
MB 885-34372/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-34372/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Prep Batch: 34379

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-32607-6	BH-2@4'	Total/NA	Solid	SHAKE	
885-32607-7	BH-3@0-0.5'	Total/NA	Solid	SHAKE	
885-32607-8	BH-3@4'	Total/NA	Solid	SHAKE	
885-32607-9	BH-3@6'	Total/NA	Solid	SHAKE	
885-32607-10	BH-4@0-0.5'	Total/NA	Solid	SHAKE	

QC Association Summary

Client: Hilcorp Energy
Project/Site: San Juan 27-5 #165N

Job ID: 885-32607-1

GC Semi VOA (Continued)

Prep Batch: 34379 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-32607-11	BH-4@2'	Total/NA	Solid	SHAKE	
885-32607-12	BH-4@6'	Total/NA	Solid	SHAKE	
885-32607-13	BH5-@0-0.5'	Total/NA	Solid	SHAKE	
885-32607-14	BH5-@2'	Total/NA	Solid	SHAKE	
885-32607-15	BH5-@6'	Total/NA	Solid	SHAKE	
MB 885-34379/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-34379/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-32607-6 MS	BH-2@4'	Total/NA	Solid	SHAKE	
885-32607-6 MSD	BH-2@4'	Total/NA	Solid	SHAKE	

HPLC/IC

Analysis Batch: 34251

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-32607-1	BH-1@0-0.5'	Total/NA	Solid	300.0	34282
885-32607-2	BH-1@2'	Total/NA	Solid	300.0	34282
885-32607-3	BH-1@6'	Total/NA	Solid	300.0	34282
885-32607-4	BH-2@0-0.5'	Total/NA	Solid	300.0	34282
885-32607-5	BH-2@2'	Total/NA	Solid	300.0	34282
885-32607-6	BH-2@4'	Total/NA	Solid	300.0	34282
885-32607-7	BH-3@0-0.5'	Total/NA	Solid	300.0	34282
885-32607-8	BH-3@4'	Total/NA	Solid	300.0	34282
885-32607-9	BH-3@6'	Total/NA	Solid	300.0	34282
885-32607-10	BH-4@0-0.5'	Total/NA	Solid	300.0	34282
885-32607-11	BH-4@2'	Total/NA	Solid	300.0	34282
885-32607-12	BH-4@6'	Total/NA	Solid	300.0	34282
885-32607-13	BH5-@0-0.5'	Total/NA	Solid	300.0	34282
885-32607-14	BH5-@2'	Total/NA	Solid	300.0	34282
885-32607-15	BH5-@6'	Total/NA	Solid	300.0	34282
MB 885-34282/1-A	Method Blank	Total/NA	Solid	300.0	34282
LCS 885-34282/2-A	Lab Control Sample	Total/NA	Solid	300.0	34282

Prep Batch: 34282

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-32607-1	BH-1@0-0.5'	Total/NA	Solid	300_Prep	
885-32607-2	BH-1@2'	Total/NA	Solid	300_Prep	
885-32607-3	BH-1@6'	Total/NA	Solid	300_Prep	
885-32607-4	BH-2@0-0.5'	Total/NA	Solid	300_Prep	
885-32607-5	BH-2@2'	Total/NA	Solid	300_Prep	
885-32607-6	BH-2@4'	Total/NA	Solid	300_Prep	
885-32607-7	BH-3@0-0.5'	Total/NA	Solid	300_Prep	
885-32607-8	BH-3@4'	Total/NA	Solid	300_Prep	
885-32607-9	BH-3@6'	Total/NA	Solid	300_Prep	
885-32607-10	BH-4@0-0.5'	Total/NA	Solid	300_Prep	
885-32607-11	BH-4@2'	Total/NA	Solid	300_Prep	
885-32607-12	BH-4@6'	Total/NA	Solid	300_Prep	
885-32607-13	BH5-@0-0.5'	Total/NA	Solid	300_Prep	
885-32607-14	BH5-@2'	Total/NA	Solid	300_Prep	
885-32607-15	BH5-@6'	Total/NA	Solid	300_Prep	
MB 885-34282/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-34282/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Lab Chronicle

Client: Hilcorp Energy
Job ID: 885-32607-1
Project/Site: San Juan 27-5 #165N

Client Sample ID: BH-1@0-0.5'
Lab Sample ID: 885-32607-1
Date Collected: 09/03/25 11:45
Matrix: Solid
Date Received: 09/05/25 07:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			34120	AT	EET ALB	09/08/25 10:05
Total/NA	Analysis	8015M/D		50	34399	AT	EET ALB	09/11/25 00:56
Total/NA	Prep	5030C			34120	AT	EET ALB	09/08/25 10:05
Total/NA	Analysis	8021B		50	34400	AT	EET ALB	09/11/25 00:56
Total/NA	Prep	SHAKE			34372	BZR	EET ALB	09/10/25 13:31
Total/NA	Analysis	8015M/D		1	34317	EM	EET ALB	09/11/25 02:28
Total/NA	Prep	300_Prep			34282	KB	EET ALB	09/09/25 14:52
Total/NA	Analysis	300.0		10	34251	KB	EET ALB	09/09/25 21:41

Client Sample ID: BH-1@2'
Lab Sample ID: 885-32607-2
Date Collected: 09/03/25 11:55
Matrix: Solid
Date Received: 09/05/25 07:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			34120	AT	EET ALB	09/08/25 10:05
Total/NA	Analysis	8015M/D		20	34399	AT	EET ALB	09/11/25 01:19
Total/NA	Prep	5030C			34120	AT	EET ALB	09/08/25 10:05
Total/NA	Analysis	8021B		20	34400	AT	EET ALB	09/11/25 01:19
Total/NA	Prep	SHAKE			34372	BZR	EET ALB	09/10/25 13:31
Total/NA	Analysis	8015M/D		1	34317	EM	EET ALB	09/11/25 02:40
Total/NA	Prep	300_Prep			34282	KB	EET ALB	09/09/25 14:52
Total/NA	Analysis	300.0		10	34251	KB	EET ALB	09/09/25 21:52

Client Sample ID: BH-1@6'
Lab Sample ID: 885-32607-3
Date Collected: 09/03/25 12:45
Matrix: Solid
Date Received: 09/05/25 07:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			34120	AT	EET ALB	09/08/25 10:05
Total/NA	Analysis	8015M/D		1	34399	AT	EET ALB	09/11/25 01:43
Total/NA	Prep	5030C			34120	AT	EET ALB	09/08/25 10:05
Total/NA	Analysis	8021B		1	34400	AT	EET ALB	09/11/25 01:43
Total/NA	Prep	SHAKE			34372	BZR	EET ALB	09/10/25 13:31
Total/NA	Analysis	8015M/D		1	34317	EM	EET ALB	09/11/25 02:52
Total/NA	Prep	300_Prep			34282	KB	EET ALB	09/09/25 14:52
Total/NA	Analysis	300.0		10	34251	KB	EET ALB	09/09/25 22:03

Client Sample ID: BH-2@0-0.5'
Lab Sample ID: 885-32607-4
Date Collected: 09/03/25 13:12
Matrix: Solid
Date Received: 09/05/25 07:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			34120	AT	EET ALB	09/08/25 10:05
Total/NA	Analysis	8015M/D		1	34399	AT	EET ALB	09/11/25 02:07

Lab Chronicle

Client: Hilcorp Energy
Job ID: 885-32607-1
Project/Site: San Juan 27-5 #165N

Client Sample ID: BH-2@0-0.5'
Lab Sample ID: 885-32607-4
Date Collected: 09/03/25 13:12
Matrix: Solid
Date Received: 09/05/25 07:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			34120	AT	EET ALB	09/08/25 10:05
Total/NA	Analysis	8021B		1	34400	AT	EET ALB	09/11/25 02:07
Total/NA	Prep	SHAKE			34372	BZR	EET ALB	09/10/25 13:31
Total/NA	Analysis	8015M/D		1	34317	EM	EET ALB	09/11/25 03:05
Total/NA	Prep	300_Prep			34282	KB	EET ALB	09/09/25 14:52
Total/NA	Analysis	300.0		10	34251	KB	EET ALB	09/09/25 22:14

Client Sample ID: BH-2@2'
Lab Sample ID: 885-32607-5
Date Collected: 09/03/25 13:21
Matrix: Solid
Date Received: 09/05/25 07:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			34120	AT	EET ALB	09/08/25 10:05
Total/NA	Analysis	8015M/D		1	34399	AT	EET ALB	09/11/25 02:31
Total/NA	Prep	5030C			34120	AT	EET ALB	09/08/25 10:05
Total/NA	Analysis	8021B		1	34400	AT	EET ALB	09/11/25 02:31
Total/NA	Prep	SHAKE			34372	BZR	EET ALB	09/10/25 13:31
Total/NA	Analysis	8015M/D		1	34317	EM	EET ALB	09/11/25 03:17
Total/NA	Prep	300_Prep			34282	KB	EET ALB	09/09/25 14:52
Total/NA	Analysis	300.0		10	34251	KB	EET ALB	09/09/25 22:24

Client Sample ID: BH-2@4'
Lab Sample ID: 885-32607-6
Date Collected: 09/03/25 13:42
Matrix: Solid
Date Received: 09/05/25 07:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			34120	AT	EET ALB	09/08/25 10:05
Total/NA	Analysis	8015M/D		1	34399	AT	EET ALB	09/11/25 03:18
Total/NA	Prep	5030C			34120	AT	EET ALB	09/08/25 10:05
Total/NA	Analysis	8021B		1	34400	AT	EET ALB	09/11/25 03:18
Total/NA	Prep	SHAKE			34379	EM	EET ALB	09/10/25 14:23
Total/NA	Analysis	8015M/D		1	34317	EM	EET ALB	09/11/25 04:44
Total/NA	Prep	300_Prep			34282	KB	EET ALB	09/09/25 14:52
Total/NA	Analysis	300.0		10	34251	KB	EET ALB	09/09/25 22:35

Client Sample ID: BH-3@0-0.5'
Lab Sample ID: 885-32607-7
Date Collected: 09/03/25 13:59
Matrix: Solid
Date Received: 09/05/25 07:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			34120	AT	EET ALB	09/08/25 10:05
Total/NA	Analysis	8015M/D		1	34399	AT	EET ALB	09/11/25 03:42
Total/NA	Prep	5030C			34120	AT	EET ALB	09/08/25 10:05
Total/NA	Analysis	8021B		1	34400	AT	EET ALB	09/11/25 03:42

Lab Chronicle

Client: Hilcorp Energy
Job ID: 885-32607-1
Project/Site: San Juan 27-5 #165N

Client Sample ID: BH-3@0-0.5'
Lab Sample ID: 885-32607-7
Date Collected: 09/03/25 13:59
Matrix: Solid
Date Received: 09/05/25 07:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			34379	EM	EET ALB	09/10/25 14:23
Total/NA	Analysis	8015M/D		1	34317	EM	EET ALB	09/11/25 05:22
Total/NA	Prep	300_Prep			34282	KB	EET ALB	09/09/25 14:52
Total/NA	Analysis	300.0		10	34251	KB	EET ALB	09/09/25 22:46

Client Sample ID: BH-3@4'
Lab Sample ID: 885-32607-8
Date Collected: 09/03/25 14:35
Matrix: Solid
Date Received: 09/05/25 07:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			34120	AT	EET ALB	09/08/25 10:05
Total/NA	Analysis	8015M/D		1	34399	AT	EET ALB	09/11/25 04:06
Total/NA	Prep	5030C			34120	AT	EET ALB	09/08/25 10:05
Total/NA	Analysis	8021B		1	34400	AT	EET ALB	09/11/25 04:06
Total/NA	Prep	SHAKE			34379	EM	EET ALB	09/10/25 14:23
Total/NA	Analysis	8015M/D		1	34317	EM	EET ALB	09/11/25 05:34
Total/NA	Prep	300_Prep			34282	KB	EET ALB	09/09/25 14:52
Total/NA	Analysis	300.0		10	34251	KB	EET ALB	09/09/25 22:57

Client Sample ID: BH-3@6'
Lab Sample ID: 885-32607-9
Date Collected: 09/03/25 14:43
Matrix: Solid
Date Received: 09/05/25 07:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			34120	AT	EET ALB	09/08/25 10:05
Total/NA	Analysis	8015M/D		1	34399	AT	EET ALB	09/11/25 04:30
Total/NA	Prep	5030C			34120	AT	EET ALB	09/08/25 10:05
Total/NA	Analysis	8021B		1	34400	AT	EET ALB	09/11/25 04:30
Total/NA	Prep	SHAKE			34379	EM	EET ALB	09/10/25 14:23
Total/NA	Analysis	8015M/D		1	34317	EM	EET ALB	09/11/25 05:46
Total/NA	Prep	300_Prep			34282	KB	EET ALB	09/09/25 14:52
Total/NA	Analysis	300.0		10	34251	KB	EET ALB	09/09/25 23:08

Client Sample ID: BH-4@0-0.5'
Lab Sample ID: 885-32607-10
Date Collected: 09/03/25 14:53
Matrix: Solid
Date Received: 09/05/25 07:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			34120	AT	EET ALB	09/08/25 10:05
Total/NA	Analysis	8015M/D		1	34399	AT	EET ALB	09/11/25 04:53
Total/NA	Prep	5030C			34120	AT	EET ALB	09/08/25 10:05
Total/NA	Analysis	8021B		1	34400	AT	EET ALB	09/11/25 04:53
Total/NA	Prep	SHAKE			34379	EM	EET ALB	09/10/25 14:23
Total/NA	Analysis	8015M/D		1	34317	EM	EET ALB	09/11/25 06:10

Lab Chronicle

Client: Hilcorp Energy
Job ID: 885-32607-1
Project/Site: San Juan 27-5 #165N

Client Sample ID: BH-4@0-0.5'
Lab Sample ID: 885-32607-10
Date Collected: 09/03/25 14:53
Matrix: Solid
Date Received: 09/05/25 07:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			34282	KB	EET ALB	09/09/25 14:52
Total/NA	Analysis	300.0		10	34251	KB	EET ALB	09/09/25 23:40

Client Sample ID: BH-4@2'
Lab Sample ID: 885-32607-11
Date Collected: 09/03/25 14:13
Matrix: Solid
Date Received: 09/05/25 07:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			34120	AT	EET ALB	09/08/25 10:05
Total/NA	Analysis	8015M/D		1	34399	AT	EET ALB	09/11/25 05:17
Total/NA	Prep	5030C			34120	AT	EET ALB	09/08/25 10:05
Total/NA	Analysis	8021B		1	34400	AT	EET ALB	09/11/25 05:17
Total/NA	Prep	SHAKE			34379	EM	EET ALB	09/10/25 14:23
Total/NA	Analysis	8015M/D		1	34317	EM	EET ALB	09/11/25 06:22
Total/NA	Prep	300_Prep			34282	KB	EET ALB	09/09/25 14:52
Total/NA	Analysis	300.0		10	34251	KB	EET ALB	09/09/25 23:51

Client Sample ID: BH-4@6'
Lab Sample ID: 885-32607-12
Date Collected: 09/03/25 14:47
Matrix: Solid
Date Received: 09/05/25 07:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			34120	AT	EET ALB	09/08/25 10:05
Total/NA	Analysis	8015M/D		1	34399	AT	EET ALB	09/11/25 05:41
Total/NA	Prep	5030C			34120	AT	EET ALB	09/08/25 10:05
Total/NA	Analysis	8021B		1	34400	AT	EET ALB	09/11/25 05:41
Total/NA	Prep	SHAKE			34379	EM	EET ALB	09/10/25 14:23
Total/NA	Analysis	8015M/D		1	34317	EM	EET ALB	09/11/25 06:34
Total/NA	Prep	300_Prep			34282	KB	EET ALB	09/09/25 14:52
Total/NA	Analysis	300.0		10	34251	KB	EET ALB	09/10/25 00:02

Client Sample ID: BH5-@0-0.5'
Lab Sample ID: 885-32607-13
Date Collected: 09/03/25 16:11
Matrix: Solid
Date Received: 09/05/25 07:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			34120	AT	EET ALB	09/08/25 10:05
Total/NA	Analysis	8015M/D		1	34399	AT	EET ALB	09/11/25 06:04
Total/NA	Prep	5030C			34120	AT	EET ALB	09/08/25 10:05
Total/NA	Analysis	8021B		1	34400	AT	EET ALB	09/11/25 06:04
Total/NA	Prep	SHAKE			34379	EM	EET ALB	09/10/25 14:23
Total/NA	Analysis	8015M/D		1	34317	EM	EET ALB	09/11/25 06:46
Total/NA	Prep	300_Prep			34282	KB	EET ALB	09/09/25 14:52
Total/NA	Analysis	300.0		10	34251	KB	EET ALB	09/10/25 00:13

Lab Chronicle

Client: Hilcorp Energy
Job ID: 885-32607-1
Project/Site: San Juan 27-5 #165N

Client Sample ID: BH5-@2'
Lab Sample ID: 885-32607-14
Date Collected: 09/03/25 16:22
Matrix: Solid
Date Received: 09/05/25 07:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			34120	AT	EET ALB	09/08/25 10:05
Total/NA	Analysis	8015M/D		1	34399	AT	EET ALB	09/11/25 06:28
Total/NA	Prep	5030C			34120	AT	EET ALB	09/08/25 10:05
Total/NA	Analysis	8021B		1	34400	AT	EET ALB	09/11/25 06:28
Total/NA	Prep	SHAKE			34379	EM	EET ALB	09/10/25 14:23
Total/NA	Analysis	8015M/D		1	34317	EM	EET ALB	09/11/25 06:58
Total/NA	Prep	300_Prep			34282	KB	EET ALB	09/09/25 14:52
Total/NA	Analysis	300.0		10	34251	KB	EET ALB	09/10/25 00:24

Client Sample ID: BH5-@6'
Lab Sample ID: 885-32607-15
Date Collected: 09/03/25 16:45
Matrix: Solid
Date Received: 09/05/25 07:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			34120	AT	EET ALB	09/08/25 10:05
Total/NA	Analysis	8015M/D		1	34399	AT	EET ALB	09/11/25 06:51
Total/NA	Prep	5030C			34120	AT	EET ALB	09/08/25 10:05
Total/NA	Analysis	8021B		1	34400	AT	EET ALB	09/11/25 06:51
Total/NA	Prep	SHAKE			34379	EM	EET ALB	09/10/25 14:23
Total/NA	Analysis	8015M/D		1	34317	EM	EET ALB	09/11/25 07:10
Total/NA	Prep	300_Prep			34282	KB	EET ALB	09/09/25 14:52
Total/NA	Analysis	300.0		10	34251	KB	EET ALB	09/10/25 00:35

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

Accreditation/Certification Summary

Client: Hilcorp Energy
Job ID: 885-32607-1
Project/Site: San Juan 27-5 #165N

Laboratory: Eurofins Albuquerque

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

Authority	Program	Identification Number	Expiration Date
New Mexico	State	NM9425, NM0901	02-27-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
300.0	300_Prep	Solid	Chloride
8015M/D	5030C	Solid	Gasoline Range Organics [C6 - C10]
8015M/D	SHAKE	Solid	Diesel Range Organics [C10-C28]
8015M/D	SHAKE	Solid	Motor Oil Range Organics [C28-C40]
8021B	5030C	Solid	Benzene
8021B	5030C	Solid	Ethylbenzene
8021B	5030C	Solid	Toluene
8021B	5030C	Solid	Xylenes, Total

Oregon	NELAP	NM100001	02-26-26

Chain-of-Custody Record

Client: Hilcorp Energy Company

Mailing Address: Kate Kaufman

KKaufman@hilcorp.com

Phone #:

email or Fax#:

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:

☑ Standard ☐ Rush

Project Name: San Juan 27-5 #165N

Project #: 07A1988327

Project Manager: Stuart Hyde

Shyde@ensolum.com

Sampler: Michael Pollock

On Ice: ☑ Yes ☐ No

# of Coolers: 1 Abby

Cooler Temp(including CF): 3.3-0.2=3.1 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

885-32607 COC

Pg 1 of 2

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
9/3	11:45	Soil	BH-1@0-.5'	4 oz	Ice											
9/3	11:55		BH-1@2'													
9/3	12:45		BH-1@6'													
9/3	13:12		BH-2@0-.5'													
9/3	13:21		BH-2@2'													
9/3	13:42		BH-2@4'													
9/3	13:59		BH-3@0-.5'													
9/3	14:35		BH-3@4'													
9/3	14:43		BH-3@6'													
9/3	14:53		BH-4@0-.5'													
9/3	14:13		BH-4@2'													
9/3	14:47	↓	BH-4@6'													

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
9/4	816	Michael Pollock				
9/4/25	1745	Christa Walls		courier	9/5/25	7:10

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Chain-of-Custody Record

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Pg 2 of 2

Client: Hilcorp Energy Company

Mailing Address: Kate Kaufman

KKaufman@hilcorp.com

Phone #:

email or Fax#:

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:

☑ Standard ☐ Rush

Project Name: Stuart Hyde

Shyde@enstdumi.com

Project #: 07A1988327

Project Manager:

Sampler:

On Ice: ☑ Yes ☐ No

# of Coolers: 1 Aloy

Cooler Temp(Including CF): 3-3-0.2=3.1 (°C)

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
9/3	16:11	Soil	BH-5 @ 0-.5'	402	Ice											
9/3	16:22	"	BH-5 @ 2'	"	"											
9/3	16:45	"	BH-5 @ 6'	"	"											

Date	Time	Relinquished by	Received by	Via	Date	Time
9/4	8:16	Michael Pollack				
9/4/25	1745				9/4/25	816
				courier	9/5/25	7:10

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Login Sample Receipt Checklist

Client: Hilcorp Energy Job Number: 885-32607-1

Login Number: 32607 **List Source: Eurofins Albuquerque**
List Number: 1
Creator: Casarrubias, Tracy

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 528718
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2523829477**
Incident Name	**NAPP2523829477 SAN JUAN 27-5 UNIT #165N @ 30-039-27637**
Incident Type	**Oil Release**
Incident Status	**Remediation Plan Received**
Incident Well	**[30-039-27637] SAN JUAN 27 5 UNIT #165N**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	San Juan 27-5 Unit #165N
Date Release Discovered	08/25/2025
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
Incident Type	Oil Release
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	*Not answered.*
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Cause: Corrosion | Tank (Any) | Condensate | Released: 16 BBL | Recovered: 0 BBL | Lost: 16 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)	Operations will attempt to recover standing fluids on 8/26, so volume recovered may be updated. Some rainwater has accumulated in the containment overnight.

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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 (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 528718
	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.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**No**
Reasons why this would be considered a submission for a notification of a major release	*Unavailable.*
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: 11/21/2025

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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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 (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 528718
	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 26 and 50 (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 100 and 200 (ft.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 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 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 1000 (ft.) and ½ (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)	490
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	1570
GRO+DRO	(EPA SW-846 Method 8015M)	1570
BTEX	(EPA SW-846 Method 8021B or 8260B)	86.6
Benzene	(EPA SW-846 Method 8021B or 8260B)	0
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		02/01/2026
On what date will (or did) the final sampling or liner inspection occur		02/01/2026
On what date will (or was) the remediation complete(d)		02/01/2026
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		1000
What is the estimated volume (in cubic yards) that will be remediated		112
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.		

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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

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

QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 528718
	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	fEEM0112336756 ENVIROTECH LANDFARM #2
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)	*Not answered.*
(In Situ) Soil Vapor Extraction	*Not answered.*
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	*Not answered.*
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	*Not answered.*
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	*Not answered.*
Ground Water Abatement pursuant to 19.15.30 NMAC	*Not answered.*
OTHER (Non-listed remedial process)	*Not answered.*
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed 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: 11/21/2025
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 528718
	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: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 528718
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**532696**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**12/11/2025**
What was the (estimated) number of samples that were to be gathered	**8**
What was the sampling surface area in square feet	**1000**

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	No

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CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 528718
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	The Remediation Plan is Conditionally Approved. All samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. The release area will need confirmation samples representing no more than 200 ft2. Floor confirmation samples should be delineated/excavated to meet closure criteria standards from Table 1 of the OCD Spill Rule for site receptor characterization/proven depth to water determination. Sidewall/Edge samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. Please make sure that the edge of the release extent is accurately defined, especially around equipment. Make sure samples are taken up against equipment to verify contaminants didn't go underneath. The work will need to be completed in 90 days after the report has been reviewed.	12/12/2025