

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Form C-144  
Revised April 3, 2017  
**For temporary pits, below-grade tanks, and multi-well fluid management pits**, submit to the appropriate NMOCD District Office.  
**For permanent pits** submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

## Pit, Below-Grade Tank, or Proposed Alternative Method Permit or Closure Plan Application

Type of action:  Below grade tank registration  
 Permit of a pit or proposed alternative method  
 Closure of a pit, below-grade tank, or proposed alternative method  
 Modification to an existing permit/or registration  
 Closure plan only submitted for an existing permitted or non-permitted pit, below-grade tank, or proposed alternative method

**Instructions: Please submit one application (Form C-144) per individual pit, below-grade tank or alternative request**

Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.

1.

Operator: Hilcorp Energy Company OGRID #: 372171  
 Address: 382 Road 3100 Aztec, NM 87410  
 Facility or well name: CANYON 8E  
 API Number: 30-045-29697 OCD Permit Number: \_\_\_\_\_  
 U/L or Qtr/Qtr D Section 14 Township 25N Range 11W County: San Juan  
 Center of Proposed Design: Latitude 36.40553 Longitude -107.97835 NAD83  
 Surface Owner:  Federal  State  Private  Tribal Trust or Indian Allotment

2.

**Pit:** Subsection F, G or J of 19.15.17.11 NMAC  
 Temporary:  Drilling  Workover  
 Permanent  Emergency  Cavitation  P&A  Multi-Well Fluid Management      Low Chloride Drilling Fluid  yes  no  
 Lined  Unlined Liner type: Thickness \_\_\_\_\_ mil  LLDPE  HDPE  PVC  Other \_\_\_\_\_  
 String-Reinforced  
 Liner Seams:  Welded  Factory  Other \_\_\_\_\_ Volume: \_\_\_\_\_ bbl Dimensions: L \_\_\_\_\_ x W \_\_\_\_\_ x D \_\_\_\_\_

3.

**Below-grade tank:** Subsection I of 19.15.17.11 NMAC  
 Volume: 120 bbl Type of fluid: Produced Water  
 Tank Construction material: Metal  
 Secondary containment with leak detection  Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off  
 Visible sidewalls and liner  Visible sidewalls only  Other \_\_\_\_\_  
 Liner type: Thickness \_\_\_\_\_ mil  HDPE  PVC  Other \_\_\_\_\_

4.

**Alternative Method:**  
 Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

5.

**Fencing:** Subsection D of 19.15.17.11 NMAC (Applies to permanent pits, temporary pits, and below-grade tanks)  
 Chain link, six feet in height, two strands of barbed wire at top (Required if located within 1000 feet of a permanent residence, school, hospital, institution or church)  
 Four foot height, four strands of barbed wire evenly spaced between one and four feet  
 Alternate. Please specify \_\_\_\_\_

6.

**Netting:** Subsection E of 19.15.17.11 NMAC (*Applies to permanent pits and permanent open top tanks*)

Screen  Netting  Other \_\_\_\_\_

Monthly inspections (If netting or screening is not physically feasible)

7.

**Signs:** Subsection C of 19.15.17.11 NMAC

12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers

Signed in compliance with 19.15.16.8 NMAC

8.

**Variances and Exceptions:**  
Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance.

**Please check a box if one or more of the following is requested, if not leave blank:**

Variance(s): Requests must be submitted to the appropriate division district for consideration of approval.

Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

9.

**Siting Criteria (regarding permitting):** 19.15.17.10 NMAC

**Instructions:** The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptable source material are provided below. Siting criteria does not apply to drying pads or above-grade tanks.

### General siting

#### Ground water is less than 25 feet below the bottom of a low chloride temporary pit or below-grade tank.

- NM Office of the State Engineer - iWATERS database search;  USGS;  Data obtained from nearby wells

Yes  No  
 NA

#### Ground water is less than 50 feet below the bottom of a Temporary pit, permanent pit, or Multi-Well Fluid Management pit .

NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells

Yes  No  
 NA

Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. **(Does not apply to below grade tanks)**

- Written confirmation or verification from the municipality; Written approval obtained from the municipality

Yes  No

#### Within the area overlying a subsurface mine. (Does not apply to below grade tanks)

- Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division

Yes  No

#### Within an unstable area. (Does not apply to below grade tanks)

- Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map

Yes  No

#### Within a 100-year floodplain. (Does not apply to below grade tanks)

- FEMA map

Yes  No

### Below Grade Tanks

Within 100 feet of a continuously flowing watercourse, significant watercourse, lake bed, sinkhole, wetland or playa lake (measured from the ordinary high-water mark).

- Topographic map; Visual inspection (certification) of the proposed site

Yes  No

Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption.

- NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site

Yes  No

### Temporary Pit using Low Chloride Drilling Fluid (maximum chloride content 15,000 mg/liter)

Within 100 feet of a continuously flowing watercourse, or any other significant watercourse or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). (Applies to low chloride temporary pits.)

- Topographic map; Visual inspection (certification) of the proposed site

Yes  No

Within 300 feet from a occupied permanent residence, school, hospital, institution, or church in existence at the time of initial application.

- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image

Yes  No

Within 200 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 300feet of any other fresh water well or spring, in existence at the time of the initial application.

NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site

Yes  No

Within 100 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>Temporary Pit Non-low chloride drilling fluid</b>	
Within 300 feet of a continuously flowing watercourse, or any other significant watercourse, or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within 500 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 1000 feet of any other fresh water well or spring, in the existence at the time of the initial application; - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within 300 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	<input type="checkbox"/> Yes <input type="checkbox"/> No

### **Permanent Pit or Multi-Well Fluid Management Pit**

Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within 500 horizontal feet of a spring or a fresh water well used for domestic or stock watering purposes, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	<input type="checkbox"/> Yes <input type="checkbox"/> No

10.

#### **Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist:** Subsection B of 19.15.17.9 NMAC

**Instructions:** Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

- Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC
- Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 NMAC
- Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
- Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
- Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
- Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

Previously Approved Design (attach copy of design) API Number: \_\_\_\_\_ or Permit Number: \_\_\_\_\_

11.

#### **Multi-Well Fluid Management Pit Checklist:** Subsection B of 19.15.17.9 NMAC

**Instructions:** Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

- Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
- Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
- A List of wells with approved application for permit to drill associated with the pit.
- Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC
- Hydrogeologic Data - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC
- Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC

Previously Approved Design (attach copy of design) API Number: \_\_\_\_\_ or Permit Number: \_\_\_\_\_

12.

**Permanent Pits Permit Application Checklist:** Subsection B of 19.15.17.9 NMAC**Instructions:** Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

- Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC
- Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
- Climatological Factors Assessment
- Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC
- Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC
- Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC
- Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC
- Quality Control/Quality Assurance Construction and Installation Plan
- Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
- Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
- Nuisance or Hazardous Odors, including H<sub>2</sub>S, Prevention Plan
- Emergency Response Plan
- Oil Field Waste Stream Characterization
- Monitoring and Inspection Plan
- Erosion Control Plan
- Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

13.

**Proposed Closure:** 19.15.17.13 NMAC**Instructions:** Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.Type:  Drilling  Workover  Emergency  Cavitation  P&A  Permanent Pit  Below-grade Tank  Multi-well Fluid Management Pit  
 AlternativeProposed Closure Method:  Waste Excavation and Removal  
 Waste Removal (Closed-loop systems only)  
 On-site Closure Method (Only for temporary pits and closed-loop systems)  
 In-place Burial  On-site Trench Burial  
 Alternative Closure Method

14.

**Waste Excavation and Removal Closure Plan Checklist:** (19.15.17.13 NMAC) **Instructions:** Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.

- Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC
- Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.13 NMAC
- Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings)
- Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC

15.

**Siting Criteria (regarding on-site closure methods only):** 19.15.17.10 NMAC**Instructions:** Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable source material are provided below. Requests regarding changes to certain siting criteria require justifications and/or demonstrations of equivalency. Please refer to 19.15.17.10 NMAC for guidance.

Ground water is less than 25 feet below the bottom of the buried waste.

- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells

- Yes  No
- NA

Ground water is between 25-50 feet below the bottom of the buried waste

- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells

- Yes  No
- NA

Ground water is more than 100 feet below the bottom of the buried waste.

- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells

- Yes  No
- NA

Within 100 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).

- Topographic map; Visual inspection (certification) of the proposed site

- Yes  No

Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.

- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image

- Yes  No

Within 300 horizontal feet of a private, domestic fresh water well or spring used for domestic or stock watering purposes, in existence at the time of initial application.

- NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site

- Yes  No

Written confirmation or verification from the municipality; Written approval obtained from the municipality

- Yes  No

Within 300 feet of a wetland.

US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site

- Yes  No

Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance

adopted pursuant to NMSA 1978, Section 3-27-3, as amended.	<input type="checkbox"/> Yes <input type="checkbox"/> No
- Written confirmation or verification from the municipality; Written approval obtained from the municipality	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within the area overlying a subsurface mine.	<input type="checkbox"/> Yes <input type="checkbox"/> No
- Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within an unstable area.	<input type="checkbox"/> Yes <input type="checkbox"/> No
- Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within a 100-year floodplain.	<input type="checkbox"/> Yes <input type="checkbox"/> No
- FEMA map	<input type="checkbox"/> Yes <input type="checkbox"/> No

16.

**On-Site Closure Plan Checklist:** (19.15.17.13 NMAC) **Instructions:** *Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.*

- Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
- Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection E of 19.15.17.13 NMAC
- Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of Subsection K of 19.15.17.11 NMAC
- Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.11 NMAC
- Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC
- Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of 19.15.17.13 NMAC
- Waste Material Sampling Plan - based upon the appropriate requirements of 19.15.17.13 NMAC
- Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot be achieved)
- Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC

17.

**Operator Application Certification:**

I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief.

Name (Print): \_\_\_\_\_ Title: \_\_\_\_\_  
 Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
 e-mail address: \_\_\_\_\_ Telephone: \_\_\_\_\_

18.

**OCDA Approval:**  Permit Application (including closure plan)  Closure Plan (only)  OCD Conditions (see attachment)

**OCDA Representative Signature:** \_\_\_\_\_ **Approval Date:** \_\_\_\_\_  
**Title:** \_\_\_\_\_ **OCDA Permit Number:** \_\_\_\_\_

19.

**Closure Report (required within 60 days of closure completion):** 19.15.17.13 NMAC

**Instructions:** Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed.

Closure Completion Date: 10/06/2025

20.

**Closure Method:**

- Waste Excavation and Removal
- On-Site Closure Method
- Alternative Closure Method
- Waste Removal (Closed-loop systems only)
- If different from approved plan, please explain.

21.

**Closure Report Attachment Checklist:** **Instructions:** *Each of the following items must be attached to the closure report. Please indicate, by a check mark in the box, that the documents are attached.*

- Proof of Closure Notice (surface owner and division)
- Proof of Deed Notice (required for on-site closure for private land only)
- Plot Plan (for on-site closures and temporary pits)
- Confirmation Sampling Analytical Results (if applicable)
- Waste Material Sampling Analytical Results (required for on-site closure)
- Disposal Facility Name and Permit Number
- Soil Backfilling and Cover Installation
- Re-vegetation Application Rates and Seeding Technique
- Site Reclamation (Photo Documentation)

On-site Closure Location: Latitude \_\_\_\_\_ Longitude \_\_\_\_\_ NAD:  1927  1983

22.

**Operator Closure Certification:**

I hereby certify that the information and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge and belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.

Name (Print): Tammy Jones Title: Operations/Regulatory Technician – Sr

Signature: Tammy Jones Date: 10/30/2025

e-mail address: tajones@hilcorp.com Telephone: (505) 324-5185

**Hilcorp Energy Company**  
**San Juan Basin**  
**Below Grade Tank Closure Report**

**Lease Name: CANYON 8E**

**API No.: 30-045-29697**

In accordance with Rule 19.15.17.13 NMAC the following information describes the closure of the below-grade tank referenced above. All proper documentation regarding closure activities is being included with the C-144.

General Plan:

1. HILCORP shall close a below-grade tank within 60 days of cessation of operations per Subsection G.4 of 19.15.17.13 NMAC. This will include a) below-grade tanks that do not meet the requirements of Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC or is not included in Paragraph (5) of Subsection I of 19.15.17.11 NMAC within five years, if not retrofitted to comply with Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC; b) an earlier date that the division requires because of imminent danger to fresh water, public health or the environment. For any closure, HILCORP will file the C144 Closure Report as required.

**The below-grade tank referenced above was permitted and closed within 60 days of cessation of the below-grade tanks operation.**

2. HILCORP shall remove liquids and sludge from a below-grade tank prior to implementing a closure method and shall dispose of the liquids and sludge in a division-approved facility. The facilities to be used will be Basin Disposal (Permit #NM-01-005), JFJ Landfarm % Industrial Ecosystem Inc. (Permit # NM-01-0010B) and Envirotech Land Farm (Permit #NM-01-011). The liner after being cleaned well (Subsection D, Paragraph 1, Subparagraph (m) of 19.15.9.712 NMAC) will be disposed of at the San Juan County Regional Landfill located on CR 3100.

**All recovered liquids were disposed of at Basin Disposal (Permit #NM-01-005) and any sludge or soil required to be removed to facilitate closure was hauled to Envirotech Land Farm (Permit #NM-01-011) and JFJ Landfarm % IEI (Permit #NM-01-0010B). The liner was cleaned per Subsection D, Paragraph 1, Subparagraph (m) of 19.15.9.712 NMAC was disposed of at the San Juan County Regional Landfill located on CR 3100.**

3. HILCORP will receive prior approval to remove the below-grade tank and dispose of it in a division-approved facility or recycle, reuse, or reclaim it in a manner that the appropriate division district office approves.

**The below-grade tank was disposed of in a division-approved manner.**

4. If there is any on-site equipment associated with a below-grade tank, then HILCORP shall remove the equipment, unless the equipment is required for some other purpose.

**All on-site equipment associated with the below-grade tank was removed.**

5. HILCORP will test the soils beneath the below-grade tank to determine whether a release has occurred. HILCORP shall collect, at a minimum, a five point, composite sample; collect individual grab samples from any area that is wet, discolored or showing other evidence of a release; and analyzed for the constituents listed in Table I of 19.15.17.13 NMAC. Hilcorp shall notify the division of its results on form C-141.

**A five point composite sample was taken of the below-grade tank using sampling tools and all samples tested per Subsection B of 19.15.17.1 3(B)(1)(b). (Sample results attached). Form C-141 is attached.**

Components	Tests Method	Limit (mg/kg)
Benzene	EPA SW-846 8021B or 8260B	0.2
BTEX	EPA SW-846 8021B or 8260B	50
TPH	EPA SW-846 418.1	100
Chlorides	EPA 300.0	250

6. If HILCORP or the division determines that a release has occurred, then HILCORP shall comply with 19.15.3.116 NMAC and 19.15.1.19 NMAC, as appropriate.

**A release was determined for the above referenced well.**

7. If the sampling program demonstrates that a release has not occurred or that any release does not exceed the concentrations specified in Table I of 19.15.17.13 NMAC, then HILCORP shall backfill the excavation with compacted, non-waste containing, earthen material; construct a division-prescribed soil cover; recontour and re-vegetate the site.

**The below-grade tank area passed all requirements of Paragraph (4) of Subsection E of 19.15.17.13 NMAC and was backfilled with compacted, non-waste containing, earthen material.**

8. Notice of Closure will be given prior to closure to the Aztec Division office between 72 hours and one week via email or verbally. The notification of closure will include the following:
  - i. Operator's name
  - ii. Location by Unit Letter, Section, Township, and Range. Well name and API number.

**Notification is attached.**

9. The surface owner shall be notified of HILCORP's closing of the below-grade tank 72 hours, but not more than one week, prior to closure as per the approved closure plan via certified mail, return receipt requested.

**The closure process notification to the landowner was sent via email, certified mail. (See Attached) (Well located on Federal Land, certified mail is not required for Federal Land per BLM/OCD MOU.)**

10. Re-contouring of location will match fit, shape, line, form and texture of the surrounding. Re-shaping will include drainage control, prevent ponding, and prevent erosion. Natural drainages will be unimpeded and water bars and/or silt traps will be place in areas where needed to prevent erosion on a large scale. Final re-contour shall have a uniform appearance with smooth surface, fitting the natural landscape.

**The below-grade tank area was re-contoured to match fit, shape, line, form and texture of the surrounding area. Re-shaping including drainage control, to prevent ponding and erosion. Natural drainages were unimpeded and water bars and/or silt traps were placed in areas where needed to prevent erosion on a large scale. Final recontour has a uniform appearance with smooth surface, fitting the natural landscape.**

11. HILCORP shall seed the disturbed areas the first favorable growing season following closure of a below-grade tank. Seeding will be accomplished via drilling on the contour whenever practical or by other division-approved methods. BLM stipulated seed mixes will be used on federally regulated lands and division-approved seed mixtures (administratively approved if required) will be utilized on all State or private lands. A uniform vegetative cover has been established that reflects a life-form ratio of plus or minus fifty percent (50%) of pre-disturbance levels and a total percent plant cover of at least seventy percent (70%) of pre-disturbance levels, excluding noxious weeds. If alternate seed mix is required by the state, private owner or tribe, it will be implemented with administrative approval if needed. Hilcorp will repeat seeding or planting will be continued until successful vegetative growth occurs.

**Provision 13 was accomplished through complying with BLM seeding requirements as allowed by the BLM/OCD MOU.**

12. A minimum of four feet of cover shall be achieved and the cover shall include one foot of suitable material, with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, to establish vegetation at the site, or the background thickness of topsoil, whichever is greater.

**The below-grade tank area was backfilled and more than four feet of cover was achieved and the cover included one foot of suitable material to establish vegetation at the site.**

13. All closure activities will include proper documentation and be available for review upon request and will be submitted to OCD within 60 days of closure of the below-grade tank. Closure report will be filed on C-144 and incorporate the following:
  - Soil Backfilling and Cover Installation (**See Report**)
  - Re-vegetation application rates and seeding techniques (**See Report**)
  - Photo documentation of the site reclamation (**Included as an attachment**)
  - Confirmation Sampling Results (**Included as an attachment**)
  - Proof of closure notice (**Included as an attachment**)

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**From:** Adeloye, Abiodun A <aadeloye@blm.gov>  
**Sent:** Thursday, April 24, 2025 7:26 AM  
**To:** Tammy Jones; Spencer, Bertha; Jaquez, Laverna A; Brandon Sinclair; Kate Kaufman; Bryan Hall; Ashton Hemphill; Eufracio Trujillo; Farmington Regulatory Techs; Clara Cardoza; Mitch Killough; Travis Munkres; Max Lopez; Ramon Hancock; Lisa Jones; Ben Mitchell; Victoria Venegas (Victoria.Venegas@emnrd.nm.gov); Kennedy, Joseph, EMNRD; joel.stone@emnrd.nm.gov; Jeffrey.Harrison@emnrd.nm.gov  
**Subject:** RE: [EXTERNAL] 72 hour BGT Closure Notice – CANYON 8E (API# 30-045-29697)

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

Thank you, Tammy, Hilcorp can proceed with the work. Please send the lab analytical report of the sample collected to the BLM and other regulatory agencies with jurisdiction over the area, since the closure is as result of abandonment purpose.

Please let me know if you have any questions.

Thank you.

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

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**From:** Tammy Jones <tajones@hilcorp.com>  
**Sent:** Wednesday, April 23, 2025 11:06 AM  
**To:** Adeloye, Abiodun A <aadeloye@blm.gov>; Spencer, Bertha <Bertha.Spencer@bia.gov>; Jaquez, Laverna A <laverna.jaquez@bia.gov>; Brandon Sinclair <Brandon.Sinclair@hilcorp.com>; Kate Kaufman <kkaufman@hilcorp.com>; Bryan Hall <bhall@hilcorp.com>; Ashton Hemphill <ahemphill@hilcorp.com>; Eufracio Trujillo <etrujillo@hilcorp.com>; Farmington Regulatory Techs <FarmingtonRegulatoryTechs@hilcorp.com>; Clara Cardoza <ccardoza@hilcorp.com>; Mitch Killough <mkillough@hilcorp.com>; Travis Munkres <tmunkres@hilcorp.com>; Max Lopez <Max.Lopez@hilcorp.com>; Ramon Hancock <Ramon.Hancock@hilcorp.com>; Lisa Jones <ljones@hilcorp.com>; Ben Mitchell <bemitchell@hilcorp.com>; Victoria Venegas (Victoria.Venegas@emnrd.nm.gov) <Victoria.Venegas@emnrd.nm.gov>; Kennedy, Joseph, EMNRD <Joseph.Kennedy@emnrd.nm.gov>; joel.stone@emnrd.nm.gov; Jeffrey.Harrison@emnrd.nm.gov  
**Subject:** [EXTERNAL] 72 hour BGT Closure Notice – CANYON 8E (API# 30-045-29697)

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

**Subject: 72 Hour BGT Closure Notification****Anticipated Start Date: Monday, 04/28/2025 at 11:00 AM MST**

The subject well has a below-grade tank that will be permanently removed. The BGT permit is attached. Please contact me if you have any questions or concerns.

**Well Name:** CANYON 8E**API#:** 30-045-29697**Location:** Unit D (WNW), Section 14, T25N, R11W**Footages:** 1000' FNL & 1000' FWL**Operator:** Hilcorp Energy      **Surface Owner:** TRIBAL**Reason:** Well has been P&A'd.**\*\*Please Note Required Photos for Closure\*\***

- Well site placard
- Photos of the BGT prior to closure
- The sample location or, more preferred, photos of actual sample collection
- Final state of the area after closure.
- Photos will require captioning including direction of photo, date and time of photo and a description of the image contents.

Thanks,

*Tammy Jones* | **HILCORP ENERGY COMPANY** | San Juan Regulatory | 505.324.5185 | [tajones@hilcorp.com](mailto:tajones@hilcorp.com)

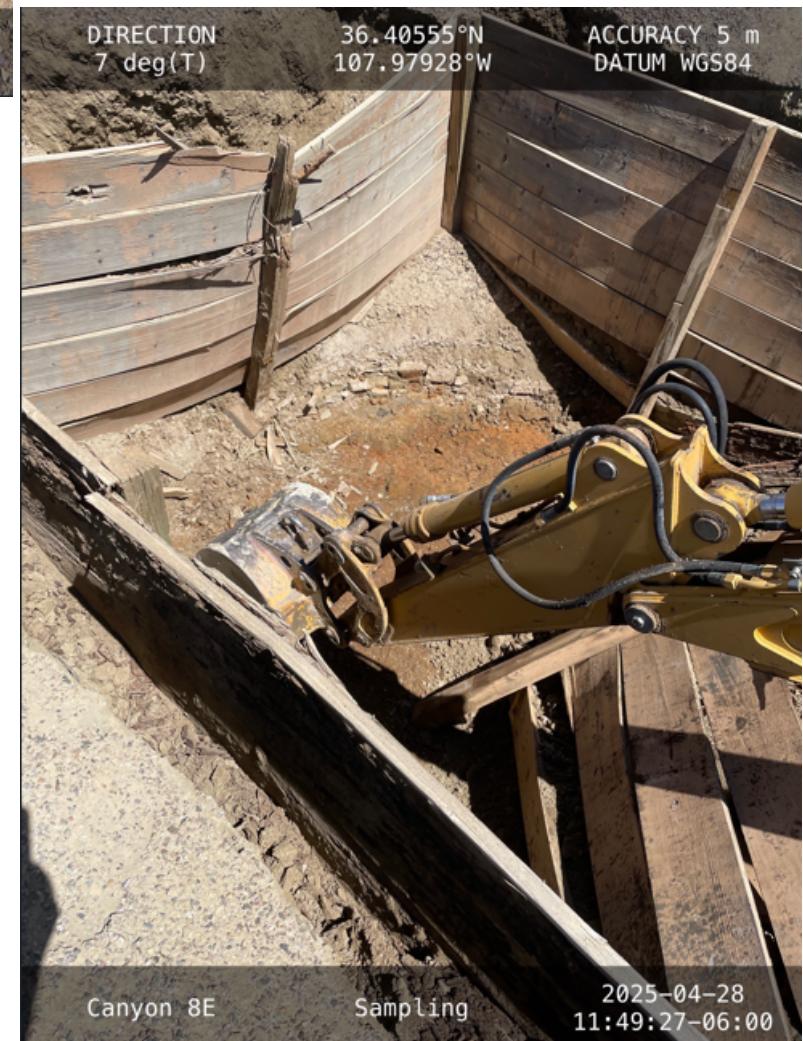
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**From:** Nn epa Water Quality <nnepawq@frontiernet.net>  
**Sent:** Thursday, October 2, 2025 11:27 AM  
**To:** Kate Kaufman  
**Subject:** Re: [EXTERNAL] Re: Historic Release Remediation Canyon #8E

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

Hi Kate,

I've reviewed the lab results provided. Based on the results, you have approval to backfill the excavation site. Let me know if you have any questions or need anything else.

--Steve

*Steve Austin*  
Senior Hydrologist  
NNEPA WQ/NPDES Program  
505-368-1037

---

**From:** Kate Kaufman <kkaufman@hilcorp.com>  
**Sent:** Tuesday, September 30, 2025 8:47 AM  
**To:** Nn epa Water Quality <nnepawq@frontiernet.net>  
**Cc:** Kate Kaufman <kkaufman@hilcorp.com>  
**Subject:** RE: [EXTERNAL] Re: Historic Release Remediation Canyon #8E

Good afternoon Steve,

We completed the excavation remediation at the Canyon #8E wellsite on September 17 and received sample results last week. Please see attached lab report.

All floor and sidewall sample results were below closure standards noted in NMAC 19.15.29 Table 1. We are compiling a closure memo for your records but would like to request approval to backfill the excavation this week if possible, as we have crews available to complete this work and would like to minimize the time an excavation is left open due to safety reasons.

Please let me know if you have any questions, and whether Hilcorp has approval to backfill the excavation.

Thank you,  
Kate

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**From:** Nn epa Water Quality <nnepawq@frontiernet.net>  
**Sent:** Tuesday, September 9, 2025 5:31 PM  
**To:** Kate Kaufman <kkaufman@hilcorp.com>  
**Subject:** [EXTERNAL] Re: Historic Release Remediation Canyon #8E

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

Hi Kate,

Thanks for the information. I do not need additional information at this time.

--Steve

Steve Austin  
Senior Hydrologist  
NNEPA WQ/NPDES Program  
505-368-1037

---

**From:** Kate Kaufman <[kkaufman@hilcorp.com](mailto:kkaufman@hilcorp.com)>  
**Sent:** Tuesday, September 9, 2025 1:57 PM  
**To:** [nepawq@frontiernet.net](mailto:nepawq@frontiernet.net) <[nepawq@frontiernet.net](mailto:nepawq@frontiernet.net)>  
**Cc:** Kate Kaufman <[kkaufman@hilcorp.com](mailto:kkaufman@hilcorp.com)>  
**Subject:** Historic Release Remediation Canyon #8E

Good afternoon Steve,

Hilcorp is planning to excavate impacted soil that was discovered during a below ground tank BGT removal at the Canyon #8E wellsite (API 30-045-29697). The BGT was removed on April 28, 2025. Sample results were above closure limits for TPH and indicative of a historic release.

Hilcorp contractor collected additional samples to delineate the extent of the historic impacts. Sample locations and results are noted on the attached figure.

We plan to mobilize equipment to the location next week to excavate impacted material and collect confirmation samples. We anticipate removing approximately 250 cubic yards of impacted soil which will be hauled offsite for disposal. I am still working on scheduling the exact start date and time and will let you know when that is set.

Please let me know if you have any questions or require additional information.

Thank you,  
Kate Kaufman

**Kate Kaufman** | Senior Environmental Specialist | Hilcorp Energy Company  
O: 346-237-2275 | C: 907-244-8292 | [kkaufman@hilcorp.com](mailto:kkaufman@hilcorp.com)  
1111 Travis St. | Houston | TX | 77002

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Report to:

Kate Kaufman



5796 U.S. Hwy 64  
Farmington, NM 87401

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



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Hilcorp Energy Co

Project Name: Canyon 8-E

Work Order: E509189

Job Number: 17051-0002

Received: 9/17/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
9/24/25

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

Date Reported: 9/24/25

Kate Kaufman  
PO Box 61529  
Houston, TX 77208



Project Name: Canyon 8-E  
Workorder: E509189  
Date Received: 9/17/2025 4:15:00PM

Kate Kaufman,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/17/2025 4:15:00PM, under the Project Name: Canyon 8-E.

The analytical test results summarized in this report with the Project Name: Canyon 8-E apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
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Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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## Sample Summary

Hilcorp Energy Co PO Box 61529 Houston TX, 77208	Project Name: Canyon 8-E Project Number: 17051-0002 Project Manager: Kate Kaufman	Reported: 09/24/25 15:23
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS01 @ 14'	E509189-01A	Soil	09/17/25	09/17/25	Glass Jar, 4 oz.
FS02 @ 17'	E509189-02A	Soil	09/17/25	09/17/25	Glass Jar, 4 oz.
FS03 @ 15'	E509189-03A	Soil	09/17/25	09/17/25	Glass Jar, 4 oz.
FS04 @ 12'	E509189-04A	Soil	09/17/25	09/17/25	Glass Jar, 4 oz.
SW01 @ 0'-14'	E509189-05A	Soil	09/17/25	09/17/25	Glass Jar, 4 oz.
SW02 @ 0'-14'	E509189-06A	Soil	09/17/25	09/17/25	Glass Jar, 4 oz.
SW03 @ 0'-12'	E509189-07A	Soil	09/17/25	09/17/25	Glass Jar, 4 oz.
SW04 @ 0'-14'	E509189-08A	Soil	09/17/25	09/17/25	Glass Jar, 4 oz.
SW05 @ 0'-17'	E509189-09A	Soil	09/17/25	09/17/25	Glass Jar, 4 oz.
SW06 @ 0'-17'	E509189-10A	Soil	09/17/25	09/17/25	Glass Jar, 4 oz.
SW07 @ 0'-14'	E509189-11A	Soil	09/17/25	09/17/25	Glass Jar, 4 oz.
SW08 @ 0'-12'	E509189-12A	Soil	09/17/25	09/17/25	Glass Jar, 4 oz.

## Sample Data

Hilcorp Energy Co PO Box 61529 Houston TX, 77208	Project Name: Canyon 8-E Project Number: 17051-0002 Project Manager: Kate Kaufman	Reported: 9/24/2025 3:23:17PM
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FS01 @ 14'

E509189-01

Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS			Batch: 2538101
Benzene	ND	0.0250	1	09/18/25	09/20/25	
Ethylbenzene	ND	0.0250	1	09/18/25	09/20/25	
Toluene	ND	0.0250	1	09/18/25	09/20/25	
o-Xylene	ND	0.0250	1	09/18/25	09/20/25	
p,m-Xylene	ND	0.0500	1	09/18/25	09/20/25	
Total Xylenes	ND	0.0250	1	09/18/25	09/20/25	
Surrogate: 4-Bromochlorobenzene-PID	92.3 %	70-130		09/18/25	09/20/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS			Batch: 2538101
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/25	09/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.1 %	70-130		09/18/25	09/20/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: HM			Batch: 2538107
Diesel Range Organics (C10-C28)	ND	25.0	1	09/19/25	09/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/19/25	09/20/25	
Surrogate: n-Nonane	103 %	61-141		09/19/25	09/20/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY			Batch: 2538116
Chloride	271	20.0	1	09/19/25	09/19/25	

## Sample Data

Hilcorp Energy Co PO Box 61529 Houston TX, 77208	Project Name: Canyon 8-E Project Number: 17051-0002 Project Manager: Kate Kaufman	<b>Reported:</b> 9/24/2025 3:23:17PM
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**FS02 @ 17'****E509189-02**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2538101
Benzene	ND	0.0250	1	09/18/25	09/20/25	
Ethylbenzene	ND	0.0250	1	09/18/25	09/20/25	
Toluene	ND	0.0250	1	09/18/25	09/20/25	
o-Xylene	ND	0.0250	1	09/18/25	09/20/25	
p,m-Xylene	ND	0.0500	1	09/18/25	09/20/25	
Total Xylenes	ND	0.0250	1	09/18/25	09/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	<i>94.0 %</i>	<i>70-130</i>		<i>09/18/25</i>	<i>09/20/25</i>	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2538101
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/25	09/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	<i>92.0 %</i>	<i>70-130</i>		<i>09/18/25</i>	<i>09/20/25</i>	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: HM		Batch: 2538107
Diesel Range Organics (C10-C28)	ND	25.0	1	09/19/25	09/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/19/25	09/20/25	
<i>Surrogate: n-Nonane</i>	<i>101 %</i>	<i>61-141</i>		<i>09/19/25</i>	<i>09/20/25</i>	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2538116
Chloride	<b>53.4</b>	20.0	1	09/19/25	09/19/25	

## Sample Data

Hilcorp Energy Co PO Box 61529 Houston TX, 77208	Project Name: Canyon 8-E Project Number: 17051-0002 Project Manager: Kate Kaufman	<b>Reported:</b> 9/24/2025 3:23:17PM
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FS03 @ 15'

E509189-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2538101
Benzene	ND	0.0250	1	09/18/25	09/20/25	
Ethylbenzene	ND	0.0250	1	09/18/25	09/20/25	
Toluene	ND	0.0250	1	09/18/25	09/20/25	
o-Xylene	ND	0.0250	1	09/18/25	09/20/25	
p,m-Xylene	ND	0.0500	1	09/18/25	09/20/25	
Total Xylenes	ND	0.0250	1	09/18/25	09/20/25	
Surrogate: 4-Bromochlorobenzene-PID		91.6 %	70-130		09/18/25	09/20/25
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2538101
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/25	09/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.5 %	70-130		09/18/25	09/20/25
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: HM		Batch: 2538107
Diesel Range Organics (C10-C28)	ND	25.0	1	09/19/25	09/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/19/25	09/20/25	
Surrogate: n-Nonane		102 %	61-141		09/19/25	09/20/25
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2538116
Chloride	<b>51.7</b>	20.0	1	09/19/25	09/19/25	

## Sample Data

Hilcorp Energy Co PO Box 61529 Houston TX, 77208	Project Name: Canyon 8-E Project Number: 17051-0002 Project Manager: Kate Kaufman	<b>Reported:</b> 9/24/2025 3:23:17PM
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**FS04 @ 12'****E509189-04**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2538101
Benzene	ND	0.0250	1	09/18/25	09/19/25	
Ethylbenzene	ND	0.0250	1	09/18/25	09/19/25	
Toluene	ND	0.0250	1	09/18/25	09/19/25	
o-Xylene	ND	0.0250	1	09/18/25	09/19/25	
p,m-Xylene	ND	0.0500	1	09/18/25	09/19/25	
Total Xylenes	ND	0.0250	1	09/18/25	09/19/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		92.7 %	70-130	09/18/25	09/19/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2538101
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/25	09/19/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.0 %	70-130	09/18/25	09/19/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: HM		Batch: 2538107
Diesel Range Organics (C10-C28)	ND	25.0	1	09/19/25	09/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/19/25	09/20/25	
<i>Surrogate: n-Nonane</i>		105 %	61-141	09/19/25	09/20/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2538116
Chloride	<b>108</b>	20.0	1	09/19/25	09/19/25	

## Sample Data

Hilcorp Energy Co PO Box 61529 Houston TX, 77208	Project Name: Canyon 8-E Project Number: 17051-0002 Project Manager: Kate Kaufman	<b>Reported:</b> 9/24/2025 3:23:17PM
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**SW01 @ 0'-14'****E509189-05**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2538101
Benzene	ND	0.0250	1	09/18/25	09/20/25	
Ethylbenzene	ND	0.0250	1	09/18/25	09/20/25	
Toluene	ND	0.0250	1	09/18/25	09/20/25	
o-Xylene	ND	0.0250	1	09/18/25	09/20/25	
p,m-Xylene	ND	0.0500	1	09/18/25	09/20/25	
Total Xylenes	ND	0.0250	1	09/18/25	09/20/25	
Surrogate: 4-Bromochlorobenzene-PID	92.9 %	70-130		09/18/25	09/20/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2538101
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/25	09/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	89.3 %	70-130		09/18/25	09/20/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: HM		Batch: 2538107
Diesel Range Organics (C10-C28)	ND	25.0	1	09/19/25	09/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/19/25	09/20/25	
Surrogate: n-Nonane	104 %	61-141		09/19/25	09/20/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2538116
Chloride	311	40.0	2	09/19/25	09/19/25	

## Sample Data

Hilcorp Energy Co PO Box 61529 Houston TX, 77208	Project Name: Canyon 8-E Project Number: 17051-0002 Project Manager: Kate Kaufman	<b>Reported:</b> 9/24/2025 3:23:17PM
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**SW02 @ 0'-14'****E509189-06**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2538101
Benzene	ND	0.0250	1	09/18/25	09/20/25	
Ethylbenzene	ND	0.0250	1	09/18/25	09/20/25	
Toluene	ND	0.0250	1	09/18/25	09/20/25	
o-Xylene	ND	0.0250	1	09/18/25	09/20/25	
p,m-Xylene	ND	0.0500	1	09/18/25	09/20/25	
Total Xylenes	ND	0.0250	1	09/18/25	09/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	92.8 %	70-130		09/18/25	09/20/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2538101
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/25	09/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	92.1 %	70-130		09/18/25	09/20/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: HM		Batch: 2538107
Diesel Range Organics (C10-C28)	ND	25.0	1	09/19/25	09/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/19/25	09/20/25	
<i>Surrogate: n-Nonane</i>	105 %	61-141		09/19/25	09/20/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2538116
Chloride	236	40.0	2	09/19/25	09/19/25	

## Sample Data

Hilcorp Energy Co PO Box 61529 Houston TX, 77208	Project Name: Canyon 8-E Project Number: 17051-0002 Project Manager: Kate Kaufman	<b>Reported:</b> 9/24/2025 3:23:17PM
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**SW03 @ 0'-12'****E509189-07**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2538101
Benzene	ND	0.0250	1	09/18/25	09/20/25	
Ethylbenzene	ND	0.0250	1	09/18/25	09/20/25	
Toluene	ND	0.0250	1	09/18/25	09/20/25	
o-Xylene	ND	0.0250	1	09/18/25	09/20/25	
p,m-Xylene	ND	0.0500	1	09/18/25	09/20/25	
Total Xylenes	ND	0.0250	1	09/18/25	09/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	<i>91.5 %</i>	<i>70-130</i>		<i>09/18/25</i>	<i>09/20/25</i>	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2538101
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/25	09/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	<i>89.5 %</i>	<i>70-130</i>		<i>09/18/25</i>	<i>09/20/25</i>	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: HM		Batch: 2538107
Diesel Range Organics (C10-C28)	ND	25.0	1	09/19/25	09/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/19/25	09/20/25	
<i>Surrogate: n-Nonane</i>	<i>105 %</i>	<i>61-141</i>		<i>09/19/25</i>	<i>09/20/25</i>	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2538116
Chloride	197	20.0	1	09/19/25	09/19/25	

## Sample Data

Hilcorp Energy Co PO Box 61529 Houston TX, 77208	Project Name: Canyon 8-E Project Number: 17051-0002 Project Manager: Kate Kaufman	<b>Reported:</b> 9/24/2025 3:23:17PM
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SW04 @ 0'-14'

E509189-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2538101
Benzene	ND	0.0250	1	09/18/25	09/20/25	
Ethylbenzene	ND	0.0250	1	09/18/25	09/20/25	
Toluene	ND	0.0250	1	09/18/25	09/20/25	
o-Xylene	ND	0.0250	1	09/18/25	09/20/25	
p,m-Xylene	ND	0.0500	1	09/18/25	09/20/25	
Total Xylenes	ND	0.0250	1	09/18/25	09/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.5 %	70-130		09/18/25	09/20/25
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2538101
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/25	09/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.6 %	70-130		09/18/25	09/20/25
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: HM		Batch: 2538107
Diesel Range Organics (C10-C28)	ND	25.0	1	09/19/25	09/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/19/25	09/20/25	
<i>Surrogate: n-Nonane</i>		103 %	61-141		09/19/25	09/20/25
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2538116
Chloride	<b>96.2</b>	20.0	1	09/19/25	09/19/25	

## Sample Data

Hilcorp Energy Co PO Box 61529 Houston TX, 77208	Project Name: Canyon 8-E Project Number: 17051-0002 Project Manager: Kate Kaufman	<b>Reported:</b> 9/24/2025 3:23:17PM
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**SW05 @ 0'-17'****E509189-09**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2538101
Benzene	ND	0.0250	1	09/18/25	09/20/25	
Ethylbenzene	ND	0.0250	1	09/18/25	09/20/25	
Toluene	ND	0.0250	1	09/18/25	09/20/25	
o-Xylene	ND	0.0250	1	09/18/25	09/20/25	
p,m-Xylene	ND	0.0500	1	09/18/25	09/20/25	
Total Xylenes	ND	0.0250	1	09/18/25	09/20/25	
Surrogate: 4-Bromochlorobenzene-PID		92.9 %	70-130		09/18/25	09/20/25
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2538101
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/25	09/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.6 %	70-130		09/18/25	09/20/25
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: HM		Batch: 2538107
Diesel Range Organics (C10-C28)	ND	25.0	1	09/19/25	09/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/19/25	09/20/25	
Surrogate: n-Nonane		106 %	61-141		09/19/25	09/20/25
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2538116
Chloride	<b>36.1</b>	20.0	1	09/19/25	09/19/25	

## Sample Data

Hilcorp Energy Co PO Box 61529 Houston TX, 77208	Project Name: Canyon 8-E Project Number: 17051-0002 Project Manager: Kate Kaufman	<b>Reported:</b> 9/24/2025 3:23:17PM
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**SW06 @ 0'-17'****E509189-10**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2538101
Benzene	ND	0.0250	1	09/18/25	09/20/25	
Ethylbenzene	ND	0.0250	1	09/18/25	09/20/25	
Toluene	ND	0.0250	1	09/18/25	09/20/25	
o-Xylene	ND	0.0250	1	09/18/25	09/20/25	
p,m-Xylene	ND	0.0500	1	09/18/25	09/20/25	
Total Xylenes	ND	0.0250	1	09/18/25	09/20/25	
Surrogate: 4-Bromochlorobenzene-PID		92.0 %	70-130		09/18/25	09/20/25
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2538101
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/25	09/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.5 %	70-130		09/18/25	09/20/25
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: HM		Batch: 2538107
Diesel Range Organics (C10-C28)	ND	25.0	1	09/19/25	09/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/19/25	09/20/25	
Surrogate: n-Nonane		102 %	61-141		09/19/25	09/20/25
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2538116
Chloride	<b>318</b>	20.0	1	09/19/25	09/19/25	

## Sample Data

Hilcorp Energy Co PO Box 61529 Houston TX, 77208	Project Name: Canyon 8-E Project Number: 17051-0002 Project Manager: Kate Kaufman	<b>Reported:</b> 9/24/2025 3:23:17PM
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SW07 @ 0'-14'

E509189-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2538101
Benzene	ND	0.0250	1	09/18/25	09/20/25	
Ethylbenzene	ND	0.0250	1	09/18/25	09/20/25	
Toluene	ND	0.0250	1	09/18/25	09/20/25	
o-Xylene	ND	0.0250	1	09/18/25	09/20/25	
p,m-Xylene	ND	0.0500	1	09/18/25	09/20/25	
Total Xylenes	ND	0.0250	1	09/18/25	09/20/25	
Surrogate: 4-Bromochlorobenzene-PID		93.0 %	70-130		09/18/25	09/20/25
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2538101
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/25	09/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.1 %	70-130		09/18/25	09/20/25
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: HM		Batch: 2538107
Diesel Range Organics (C10-C28)	ND	25.0	1	09/19/25	09/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/19/25	09/20/25	
Surrogate: n-Nonane		105 %	61-141		09/19/25	09/20/25
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2538116
Chloride	274	20.0	1	09/19/25	09/19/25	

## Sample Data

Hilcorp Energy Co PO Box 61529 Houston TX, 77208	Project Name: Canyon 8-E Project Number: 17051-0002 Project Manager: Kate Kaufman	<b>Reported:</b> 9/24/2025 3:23:17PM
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**SW08 @ 0'-12'****E509189-12**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2538101
Benzene	ND	0.0250	1	09/18/25	09/20/25	
Ethylbenzene	ND	0.0250	1	09/18/25	09/20/25	
Toluene	ND	0.0250	1	09/18/25	09/20/25	
o-Xylene	ND	0.0250	1	09/18/25	09/20/25	
p,m-Xylene	ND	0.0500	1	09/18/25	09/20/25	
Total Xylenes	ND	0.0250	1	09/18/25	09/20/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	<i>93.0 %</i>	<i>70-130</i>		<i>09/18/25</i>	<i>09/20/25</i>	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2538101
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/25	09/20/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	<i>89.3 %</i>	<i>70-130</i>		<i>09/18/25</i>	<i>09/20/25</i>	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: HM		Batch: 2538107
Diesel Range Organics (C10-C28)	ND	25.0	1	09/19/25	09/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/19/25	09/20/25	
<i>Surrogate: n-Nonane</i>	<i>106 %</i>	<i>61-141</i>		<i>09/19/25</i>	<i>09/20/25</i>	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2538116
Chloride	<b>266</b>	40.0	2	09/19/25	09/19/25	

## QC Summary Data

Hilcorp Energy Co PO Box 61529 Houston TX, 77208	Project Name: Canyon 8-E Project Number: 17051-0002 Project Manager: Kate Kaufman	Reported: 9/24/2025 3:23:17PM
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## Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

## Blank (2538101-BLK1)

Prepared: 09/18/25 Analyzed: 09/19/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							

Surrogate: 4-Bromochlorobenzene-PID

7.49 8.00 93.6 70-130

## LCS (2538101-BS1)

Prepared: 09/18/25 Analyzed: 09/19/25

Benzene	3.97	0.0250	5.00	79.5	70-130				
Ethylbenzene	4.04	0.0250	5.00	80.8	70-130				
Toluene	4.04	0.0250	5.00	80.8	70-130				
o-Xylene	4.09	0.0250	5.00	81.8	70-130				
p,m-Xylene	8.18	0.0500	10.0	81.8	70-130				
Total Xylenes	12.3	0.0250	15.0	81.8	70-130				

Surrogate: 4-Bromochlorobenzene-PID

7.49 8.00 93.6 70-130

## Matrix Spike (2538101-MS1)

Source: E509189-04

Prepared: 09/18/25 Analyzed: 09/19/25

Benzene	4.30	0.0250	5.00	ND	85.9	70-130			
Ethylbenzene	4.35	0.0250	5.00	ND	87.1	70-130			
Toluene	4.37	0.0250	5.00	ND	87.4	70-130			
o-Xylene	4.43	0.0250	5.00	ND	88.7	70-130			
p,m-Xylene	8.82	0.0500	10.0	ND	88.2	70-130			
Total Xylenes	13.3	0.0250	15.0	ND	88.3	70-130			

Surrogate: 4-Bromochlorobenzene-PID

7.56 8.00 94.5 70-130

## Matrix Spike Dup (2538101-MSD1)

Source: E509189-04

Prepared: 09/18/25 Analyzed: 09/19/25

Benzene	4.71	0.0250	5.00	ND	94.3	70-130	9.26	27	
Ethylbenzene	4.79	0.0250	5.00	ND	95.8	70-130	9.53	26	
Toluene	4.80	0.0250	5.00	ND	96.0	70-130	9.40	20	
o-Xylene	4.88	0.0250	5.00	ND	97.6	70-130	9.56	25	
p,m-Xylene	9.68	0.0500	10.0	ND	96.8	70-130	9.29	23	
Total Xylenes	14.6	0.0250	15.0	ND	97.0	70-130	9.38	26	

Surrogate: 4-Bromochlorobenzene-PID

7.19 8.00 89.8 70-130

## QC Summary Data

Hilcorp Energy Co PO Box 61529 Houston TX, 77208	Project Name: Canyon 8-E Project Number: 17051-0002 Project Manager: Kate Kaufman	Reported: 9/24/2025 3:23:17PM
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## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit	Notes
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## Blank (2538101-BLK1)

Prepared: 09/18/25 Analyzed: 09/19/25

Gasoline Range Organics (C6-C10)	ND	20.0						
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.35		8.00		91.8	70-130		

## LCS (2538101-BS2)

Prepared: 09/18/25 Analyzed: 09/19/25

Gasoline Range Organics (C6-C10)	50.7	20.0	50.0		101	70-130		
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.32		8.00		91.5	70-130		

## Matrix Spike (2538101-MS2)

Source: E509189-04

Prepared: 09/18/25 Analyzed: 09/19/25

Gasoline Range Organics (C6-C10)	48.8	20.0	50.0	ND	97.6	70-130		
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.10		8.00		88.8	70-130		

## Matrix Spike Dup (2538101-MSD2)

Source: E509189-04

Prepared: 09/18/25 Analyzed: 09/19/25

Gasoline Range Organics (C6-C10)	47.6	20.0	50.0	ND	95.3	70-130	2.44	20
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.23		8.00		90.3	70-130		

## QC Summary Data

Hilcorp Energy Co PO Box 61529 Houston TX, 77208	Project Name: Canyon 8-E Project Number: 17051-0002 Project Manager: Kate Kaufman	Reported: 9/24/2025 3:23:17PM
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## Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2538107-BLK1)

Prepared: 09/19/25 Analyzed: 09/19/25

Diesel Range Organics (C10-C28)	ND	25.0						
Oil Range Organics (C28-C36)	ND	50.0						
Surrogate: n-Nonane	49.8		50.0		99.5	61-141		

## LCS (2538107-BS1)

Prepared: 09/19/25 Analyzed: 09/19/25

Diesel Range Organics (C10-C28)	252	25.0	250		101	66-144		
Surrogate: n-Nonane	50.0		50.0		100	61-141		

## Matrix Spike (2538107-MS1)

Source: E509186-42 Prepared: 09/19/25 Analyzed: 09/19/25

Diesel Range Organics (C10-C28)	261	25.0	250	ND	104	56-156		
Surrogate: n-Nonane	51.5		50.0		103	61-141		

## Matrix Spike Dup (2538107-MSD1)

Source: E509186-42 Prepared: 09/19/25 Analyzed: 09/19/25

Diesel Range Organics (C10-C28)	259	25.0	250	ND	104	56-156	0.835	20
Surrogate: n-Nonane	50.9		50.0		102	61-141		

## QC Summary Data

Hilcorp Energy Co PO Box 61529 Houston TX, 77208	Project Name: Canyon 8-E Project Number: 17051-0002 Project Manager: Kate Kaufman	Reported: 9/24/2025 3:23:17PM
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## Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2538116-BLK1)

Prepared: 09/19/25 Analyzed: 09/19/25

Chloride	ND	20.0
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## LCS (2538116-BS1)

Prepared: 09/19/25 Analyzed: 09/19/25

Chloride	251	20.0	250	100	90-110
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## Matrix Spike (2538116-MS1)

Source: E509188-02 Prepared: 09/19/25 Analyzed: 09/19/25

Chloride	401	20.0	250	141	104	80-120
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## Matrix Spike Dup (2538116-MSD1)

Source: E509188-02 Prepared: 09/19/25 Analyzed: 09/19/25

Chloride	404	20.0	250	141	105	80-120	0.766	20
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## QC Summary Report Comment:

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

## Definitions and Notes

Hilcorp Energy Co PO Box 61529 Houston TX, 77208	Project Name: Canyon 8-E Project Number: 17051-0002 Project Manager: Kate Kaufman	Reported: 09/24/25 15:23
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ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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

## Chain of Custody

Page 1 of 2

Received by OCD: 10/30/2025 10:36:38 AM

Client Information				Invoice Information				Lab Use Only		TAT				State								
Client: Hilcorp Energy Company Project Name: Canyon 8-E Project Manager: Kate Kaufman Address: City, State, Zip: Phone: Email: Kikaufman@hilcorp.com				Company: SAME AS Address: City, State, Zip: CLIENT Phone: Email: Miscellaneous:				Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX					
								E509189	17051.0002					X								
Analysis and Method																EPA Program						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID				Lab Number	Field Filter	BR010/DRO by 8015	BR010/DRO by 8015	Chloride 3000	VOC by 8260	BR010/DRO by 8015	BR010/DRO by 8015	RCRA 8 Meas	RCRA 8 Meas	BR00C - NM	BR00C - TX	SDWA	CWA	RCRA
1422	9/17/25	soil	one, 402	FS01 @ 14'				1	X	X	X	X	X	X	X	X	X			14.8		
1425	)	)	)	FS02 @ 17'				2												13.2		
1430	)	)	)	FS03 @ 15'				3												17.6		
1440	)	)	)	FS04 @ 12'				4												22.1		
1428	)	)	)	SW01 @ 0'-14'				5												13.2		
1435	)	)	)	SW02 @ 0'-14'				6												13.3		
1445	)	)	)	SW03 @ 0'-12'				7												15.7		
1447	)	)	)	SW04 @ 0'-14'				8												12.7		
1449	)	)	)	SW05 @ 0'-17'				9												16.2		
1451	)	)	)	SW06 @ 0'-17'				10												13.2		
Additional Instructions: cc: Shyde@ensolum.com, wweichert@ensolum.com, hpeck@ensolum.com, mpollock@ensolum.com																						
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																						
Sampled by: Harper Peck and Michael Pollock																						
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.														
Harper Peck		9/17/25	16:13	Michael Pollock		9/17/25	16:15															
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time															
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time															
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time															
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only														
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N														
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other								Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA														
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																						



## Envirotech Analytical Laboratory

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: Hilcorp Energy Co	Date Received: 09/17/25 16:15	Work Order ID: E509189
Phone: -	Date Logged In: 09/18/25 12:17	Logged In By: Caitlin Mars
Email:	Due Date: 09/24/25 17:00 (5 day TAT)	

**Chain of Custody (COC)**

1. Does the sample ID match the COC? Yes  
 2. Does the number of samples per sampling site location match the COC Yes  
 3. Were samples dropped off by client or carrier? Yes Carrier: Harper Peck  
 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes  
 5. Were all samples received within holding time? Yes  
 Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

**Sample Turn Around Time (TAT)**

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

**Sample Cooler**

7. Was a sample cooler received? Yes  
 8. If yes, was cooler received in good condition? Yes  
 9. Was the sample(s) received intact, i.e., not broken? Yes  
 10. Were custody/security seals present? No  
 11. If yes, were custody/security seals intact? NA  
 12. Was the sample received on ice? Yes  
 Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

**Comments/Resolution**

Samples received on ice, all sample temps above 6 degrees celsius.

**Sample Container**

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

**Field Label**

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

**Sample Preservation**

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

**Multiphase Sample Matrix**

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

**Subcontract Laboratory**

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

**Client Instruction**

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

Date



envirotech Inc.





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

General Information  
Phone: (505) 629-6116

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

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

CONDITIONS

Action 521607

**CONDITIONS**

Operator:  HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 521607
	Action Type: [C-144] Below Grade Tank Plan (C-144B)

**CONDITIONS**

Created By	Condition	Condition Date
joel.stone	C-144 BGT closure report accepted for record retention purposes only. BGT is located on Tribal land.	10/31/2025