

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 NMOC District Office.
For permanent pits submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOC 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 Visible sidewalls, vaulted, automatic high-level shut off, no liner
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

☐ Yes ☐ No

Temporary Pit Non-low chloride drilling fluid

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

☐ 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 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

☐ 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

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

☐ Yes ☐ 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

☐ Yes ☐ 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

☐ Yes ☐ No

Within 500 feet of a wetland.

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

☐ Yes ☐ 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 H₂S, 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
☐ Alternative
- Proposed 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	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> 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	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> 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	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> 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	<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 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	<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 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
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.

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

☐ Yes ☐ No

Within the area overlying a subsurface mine.

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

☐ Yes ☐ No

Within an unstable area.

- 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.

- FEMA map

☐ Yes ☐ 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.

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

OCD Representative Signature: _____ **Approval Date:** _____

Title: _____ **OCD 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.

10/30/2025

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.

10/30/2025

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)**

10/30/2025

From: Adeloje, Abiodun A <aadeloje@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; Eufrazio 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 Adeloje (Emmanuel)
Natural Resources Specialist (NRS)
6251 College Blvd., Suite A
Farmington, NM 87402
Office: 505-564-7665
Mobile: 505-635-0984

From: Tammy Jones <tajones@hilcorp.com>
Sent: Wednesday, April 23, 2025 11:06 AM
To: Adeloje, Abiodun A <aadeloje@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>; Eufrazio 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 <lajones@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 (NWNW), 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

The information contained in this email message is confidential and may be legally privileged and is intended only for the use of the individual or entity named above. If you are not an intended recipient or if you have received this message in error, you are hereby notified that any dissemination, distribution, or copy of this email is strictly prohibited. If you have received this email in error, please immediately notify us by return email or telephone if the sender's phone number is listed above, then promptly and permanently delete this message.

While all reasonable care has been taken to avoid the transmission of viruses, it is the responsibility of the recipient to ensure that the onward transmission, opening, or use of this message and any attachments will not adversely affect its systems or data. No responsibility is accepted by the company in this regard and the recipient should carry out such virus and other checks as it considers appropriate.

DIRECTION 36.40562°N ACCURACY 4 m
231 deg(T) 107.97902°W DATUM WGS84



Canyon 8E Dry Hole Marker 2025-04-28 11:09:35-06:00

DIRECTION 36.40551°N ACCURACY 4 m
264 deg(T) 107.97922°W DATUM WGS84



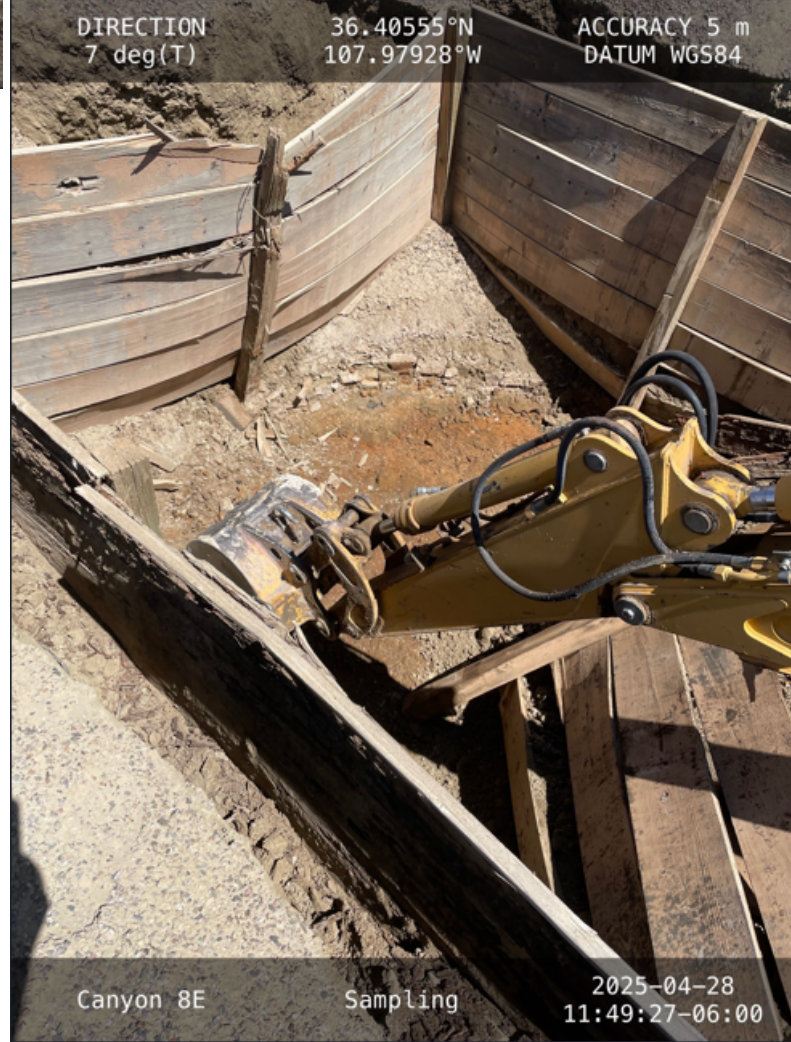
Canyon 8E Before Removal 2025-04-28 11:17:05-06:00

DIRECTION 36.40552°N
6 deg(T) 107.97925°W
ACCURACY 4 m
DATUM WGS84



Canyon 8E After Removal 2025-04-28
11:32:20-06:00

DIRECTION 36.40555°N
7 deg(T) 107.97928°W
ACCURACY 5 m
DATUM WGS84



Canyon 8E Sampling 2025-04-28
11:49:27-06:00

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

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>
Sent: Tuesday, September 9, 2025 1:57 PM
To: nnepawq@frontiernet.net <nnepawq@frontiernet.net>
Cc: Kate Kaufman <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 Cayon #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
1111 Travis St. | Houston | TX | 77002

The information contained in this email message is confidential and may be legally privileged and is intended only for the use of the individual or entity named above. If you are not an intended recipient or if you have received this message in error, you are hereby notified that any dissemination, distribution, or copy of this email is strictly prohibited. If you have received this email in error, please immediately notify us by return email or telephone if the sender's phone number is listed above, then promptly and permanently delete this message.

While all reasonable care has been taken to avoid the transmission of viruses, it is the responsibility of the recipient to ensure that the onward transmission, opening, or use of this message and any attachments will not adversely affect its systems or data. No responsibility is accepted by the company in this regard and the recipient should carry out such virus and other checks as it considers appropriate.

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

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

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
FS01 @ 14'	5
FS02 @ 17'	6
FS03 @ 15'	7
FS04 @ 12'	8
SW01 @ 0'-14'	9
SW02 @ 0'-14'	10
SW03 @ 0'-12'	11
SW04 @ 0'-14'	12
SW05 @ 0'-17'	13
SW06 @ 0'-17'	14
SW07 @ 0'-14'	15
SW08 @ 0'-12'	16
QC Summary Data	17
QC - Volatile Organics by EPA 8021B	17
QC - Nonhalogenated Organics by EPA 8015D - GRO	18
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	19
QC - Anions by EPA 300.0/9056A	20
Definitions and Notes	21
Chain of Custody etc.	22

Sample Summary

Hilcorp Energy Co	Project Name:	Canyon 8-E	Reported: 09/24/25 15:23
PO Box 61529	Project Number:	17051-0002	
Houston TX, 77208	Project Manager:	Kate Kaufman	

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

FS01 @ 14'

E509189-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	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>		92.3 %	70-130	09/18/25	09/20/25	
Nonhalogenated Organics by EPA 8015D - GRO	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>		90.1 %	70-130	09/18/25	09/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
Anions by EPA 300.0/9056A	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

Reported:
9/24/2025 3:23:17PM

FS02 @ 17'

E509189-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		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>		94.0 %	70-130	09/18/25	09/20/25	
Nonhalogenated Organics by EPA 8015D - GRO		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>		92.0 %	70-130	09/18/25	09/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		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>		101 %	61-141	09/19/25	09/20/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: IY		Batch: 2538116
Chloride	53.4	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

Reported:
9/24/2025 3:23:17PM

FS03 @ 15'

E509189-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		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>		91.6 %	70-130	09/18/25	09/20/25	
Nonhalogenated Organics by EPA 8015D - GRO		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>		91.5 %	70-130	09/18/25	09/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		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>		102 %	61-141	09/19/25	09/20/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: IY		Batch: 2538116
Chloride	51.7	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

Reported:
9/24/2025 3:23:17PM

FS04 @ 12'

E509189-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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	
Nonhalogenated Organics by EPA 8015D - GRO						
	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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2538116
Chloride	108	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

Reported:
9/24/2025 3:23:17PM

SW01 @ 0'-14'

E509189-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		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>		92.9 %	70-130	09/18/25	09/20/25	
Nonhalogenated Organics by EPA 8015D - GRO		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>		89.3 %	70-130	09/18/25	09/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		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>		104 %	61-141	09/19/25	09/20/25	
Anions by EPA 300.0/9056A		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

Reported:
9/24/2025 3:23:17PM

SW02 @ 0'-14'

E509189-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		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	
Nonhalogenated Organics by EPA 8015D - GRO		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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		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	
Anions by EPA 300.0/9056A		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

Reported:
9/24/2025 3:23:17PM

SW03 @ 0'-12'

E509189-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		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>		91.5 %	70-130	09/18/25	09/20/25	
Nonhalogenated Organics by EPA 8015D - GRO		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>		89.5 %	70-130	09/18/25	09/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		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	
Anions by EPA 300.0/9056A		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

Reported:
9/24/2025 3:23:17PM

SW04 @ 0'-14'

E509189-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		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	
Nonhalogenated Organics by EPA 8015D - GRO		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	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		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	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: IY		Batch: 2538116
Chloride	96.2	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

Reported:
9/24/2025 3:23:17PM

SW05 @ 0'-17'

E509189-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		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>		92.9 %	70-130	09/18/25	09/20/25	
Nonhalogenated Organics by EPA 8015D - GRO		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>		91.6 %	70-130	09/18/25	09/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		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>		106 %	61-141	09/19/25	09/20/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: IY		Batch: 2538116
Chloride	36.1	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

Reported:
9/24/2025 3:23:17PM

SW06 @ 0'-17'

E509189-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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>						
	92.0 %	70-130		09/18/25	09/20/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	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>						
	89.5 %	70-130		09/18/25	09/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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>						
	102 %	61-141		09/19/25	09/20/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2538116
Chloride	318	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

Reported:
9/24/2025 3:23:17PM

SW07 @ 0'-14'

E509189-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	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>						
	93.0 %	70-130		09/18/25	09/20/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	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>						
	93.1 %	70-130		09/18/25	09/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
Anions by EPA 300.0/9056A						
	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

Reported:
9/24/2025 3:23:17PM

SW08 @ 0'-12'

E509189-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		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>		93.0 %	70-130	09/18/25	09/20/25	
Nonhalogenated Organics by EPA 8015D - GRO		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>		89.3 %	70-130	09/18/25	09/20/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		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>		106 %	61-141	09/19/25	09/20/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: IY		Batch: 2538116
Chloride	266	40.0	2	09/19/25	09/19/25	



QC Summary Data

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

Volatile Organics by EPA 8021B

Analyst: RKS

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

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

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

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

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

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

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

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

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
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2538116-BLK1)					Prepared: 09/19/25 Analyzed: 09/19/25				
Chloride	ND	20.0							
LCS (2538116-BS1)					Prepared: 09/19/25 Analyzed: 09/19/25				
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2538116-MS1)					Source: E509188-02		Prepared: 09/19/25 Analyzed: 09/19/25		
Chloride	401	20.0	250	141	104	80-120			
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	

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



Definitions and Notes

Hilcorp Energy Co	Project Name:	Canyon 8-E	
PO Box 61529	Project Number:	17051-0002	Reported:
Houston TX, 77208	Project Manager:	Kate Kaufman	09/24/25 15:23

- 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.



Client Information				Invoice Information		Lab Use Only		TAT		State											
Client: <u>Hilcorp Energy Company</u>				Company: <u>SAME AS</u>		Lab WO# <u>E509189</u>		Job Number <u>17051.0002</u>		1D	2D	3D	Std	NM	CO	UT	TX				
Project Name: <u>Canyon 8-E</u>				Address: <u>CLIENT</u>										<input checked="" type="checkbox"/>							
Project Manager: <u>Kate Kaufman</u>				City, State, Zip: <u>CLIENT</u>																	
Address: _____				Phone: _____																	
City, State, Zip: _____				Email: _____																	
Phone: _____				Miscellaneous: _____																	
Email: <u>Kkaufman@hilcorp.com</u>																					
Sample Information										Analysis and Method								EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA			
1422	9/17/25	Soil	one, 402	FS01 @ 14'		1	X	X	X	X											
1425				FS02 @ 17'		2															
1436				FS03 @ 15'		3															
1440				FS04 @ 12'		4															
1428				SW01 @ 0'-14'		5															
1435				SW02 @ 0'-14'		6															
1445				SW03 @ 0'-12'		7															
1447				SW04 @ 0'-14'		8															
1449				SW05 @ 0'-17'		9															
1451				SW06 @ 0'-17'		10															
Additional Instructions: cc: <u>Shyde@ensolum.com, wweichert@ensolum.com, hpeck@ensolum.com, mpallock@ensolum.com</u> 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: <u>Harper Peck and Michael Pollock</u>																					
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <u>Y</u> N									
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											
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.																					

[illegible]

Envirotech Analytical Laboratory

Printed: 9/18/2025 12:20:06PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Hilcorp Energy Co	Date Received:	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
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.

Carrier: Harper PeckComments/Resolution

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

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.

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