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

BGT1

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: Chavez Gas Com C 1R
API Number: 30-045-23162 OCD Permit Number:
U/L or Qtr/Qtr J Section 23 Township 29N Range 10W County: San Juan
Center of Proposed Design: Latitude 36.708619 Longitude -107.852006 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 Unspecified

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 H_2S, 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	☐ 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. - 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: Joel Stone **Approval Date:** 06/06/2025

Title: Environmental Scientist & Specialist-A **OCD Permit Number:** BGT1

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:** 5/20/2025

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: 6/5/2025

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

Hilcorp Energy Company
San Juan Basin: New Mexico Assets
Below Grade Tank Closure Report

Lease Name: Chavez Gas Com C 1R
API No.: 30-045-23162

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 Requirements:

1. Prior to initiating any BGT closure, except in the case of an emergency, HILCORP will notify the surface owner of the intent to close the BGT by certified mail no later than 72 hours or one week before closure and a copy of this notification will be included in the closure report. In the case of an emergency, the surface owner will be notified as soon as practical.

   The surface owner was notified by email of the closure process and the notification is attached.

2. Notice of closure will be given to the District Division office between 72 hours and one week of the scheduled closure via email or phone. The notification of closure will include the following:
   a. Operators Name
   b. Well Name and API Number
   c. Location

   Notification is attached.

3. All liquids will be removed from the BGT following cessation of operation. Produced water will be disposed of at one of HILCORP's approved Salt Water Disposal facilities or at a District Division approved facility.

   All recovered liquids were disposed of at an approved SWD facility or an approved District Division facility within 60 days of cessation of operation.

4. Solids and sludge's will be shoveled and/or vacuumed out for disposal at one of the District Division approved facilities, depending on the proximity of the BGT site: Envirotech Land Farm (Permit #NM-01-011), JFJ Land Farm % Industrial Ecosystems Inc. (Permit #NM-01-0010B), and Basin Disposal (Permit #NM-01-005).

   Any sludge or soil required to be removed to facilitate closure was transported to Envirotech Land Farm (Permit # NM-01-011) and/or JFJ Landfarm % IEI (Permit# NM-01-0010B).

5. HILCORP will obtain prior approval from District Division to dispose, recycle, reuse, or reclaim the BGT and provide documentation of the disposition of the BGT in the closure report. Steel materials will be recycled or reused as approved by the District Division. Fiberglass tanks will be empty, cut up or shredded, and EPA cleaned for disposal as solid waste. Liner materials will be cleaned without soils or contaminated material for disposal as solid waste. Fiberglass tanks and liner materials will meet the conditions of 19.15.35 NMAC. Disposal will be at a licensed disposal facility, presently San Juan County Landfill operated by Waste Management under NMED Permit SWM-052426.

   The below-grade tank was disposed of in a division-approved manner. The liner was cleaned per 19.15.35.8.C(1)(m) NMAC and disposed of at the San Juan County Regional Landfill located on CR 3100.

6. Any equipment associated with the BGT that is no longer required for some other purpose, following the closure, will be removed.

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

7. Following removal of the tank and any liner material, HILCORP will test the soils beneath the BGT as follows:
   a. At a minimum, a five-point composite sample will be taken to include any obvious stained or wet soils or any other evidence of contamination.
   b. The laboratory sample shall be analyzed for the constituents listed in Table I of 19.15.17.13.

   A five point composite sample was taken of the below-grade tank using sampling tools and all samples tested per Table I of 19.15.17.13 and the results are attached.

8. If the District Division and/or HILCORP determine there is a release, HILCORP will comply with 19.15.17.13.C.3b.

   A release was determined for the above referenced well.

9. Upon completion of the tank removal, pursuant to 19.15.17.13.C.3c, if all contaminant concentrations are less than or equal to the parameters listed in Table I of 19.15.17.13 NMAC, the excavation will be backfilled with non-waste earthen material compacted and covered with a minimum of one foot top soil or background thickness whichever is greater and to existing grade. The surface will be re-contoured to match the native grade and to prevent ponding.

   The tank removal area passed all requirements of Table I of 19.15.17.13 NMAC and was backfilled with compacted, non-waste containing, earthen material which included at least one foot of suitable material to establish vegetation at the site.

10. For those portions of the former BGT area no longer required for production activities, HILCORP will seed the disturbed area the first favorable growing season after the BGT is covered. Seeding will be accomplished via drilling on the contour whenever practical, or by other District Division-approved methods. HILCORP will notify the District Division when reclamation and re-vegetation is complete.

    Reclamation of the BGT shall be considered complete when:
    - Vegetative cover reflects a life form ratio of +/- 50% of pre disturbance levels.
    - Total percent plant cover of at least 70% of pre-disturbance levels (Excluding noxious weeds) OR
    - Pursuant to 19.15.17.13.H.5d HILCORP will comply with obligations imposed by other applicable federal or tribal agencies in which there re-vegetation and reclamation requirements provide equal or better protection of fresh water, human health and the environment.

    Provision 10 will be accomplished pursuant to 19.15.17.H.5d and notification will be submitted upon completion.

11. For those portions of the former BGT area required for production activities, reseeding will be done at well abandonment, and following the procedure noted above.

    The former BGT area is required for production activities and reseeding will be completed upon plug and abandonment, per the procedure noted above.

Closure Report:
All closure activities will include proper documentation and will be submitted to OCD within 60 days of the BGT closure on a Closure Report using District Division Form C-144. The Report will include the following:

- Proof of Closure Notice (surface owner and District Division) **(Attached)**
- Backfilling & cover installation **(See Report)**
- Confirmation Sampling Analytical Results **(Attached)**
- Application Rate & Seeding techniques **(See Report)**
- Photo Documentation of Reclamation **(Attached)**

Tammy Jones

From: Tammy Jones
Sent: Wednesday, April 2, 2025 7:33 AM
To: Brandon Sinclair; Kate Kaufman; Dale Crawford; William Shuss; Mike Murphy; Farmington Regulatory Techs; Clara Cardoza; Mitch Killough; Chad Perkins; 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: 72 hour BGT Closure Notice – CHAVEZ GAS COM C 1R (API# 30-045-23162)
Attachments: Chavez Gas Com C 1R C144 BGT Closure PLAN ONLY Approved.pdf

Subject: 72 Hour BGT Closure Notification

Anticipated Start Date: **Monday, 04/07/2025 at 9:00 AM MST**

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

Well Name: CHAVEZ GAS COM C 1R

API#: 30-045-23162

Location: Unit J (NWSE), Section 23, T29N, R10W

Footages: 1590' FSL & 1590' FEL

Operator: Hilcorp Energy **Surface Owner:** PRIVATE

Reason: **Closing BGT and replacing with an AGT.**

****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

Hilcorp

April 2, 2025

Transmitted Via
Certified Mail 7022 2410 0003 1570 6879

To: Timothy & Tarra Gomez
7205 US 64
Bloomfield, NM 87413

Re: **CHAVEZ GAS COM C 1R**
API: 30-045-23162
Unit J (NW/SE) Section 23, T29N, R10W
San Juan County, New Mexico

Dear Landowner:

Pursuant to New Mexico Administrative Code § 19.15.17.13 (E) (1) operator shall provide the surface owner of the operator's proposal to close a below- grade tank.

In compliance with this requirement, please consider this letter as notification that Hilcorp San Juan, L.P. intends to close a below-grade tank on the subject well pad and replace with [illegible]. The closure process will begin between 72 hours and one week from

7022 2410 0003 1570 6879

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

OFFICIAL USE

Certified Mail Fee
$

Extra Services & Fees (check box, add fee as appropriate)
- ☐ Return Receipt (hardcopy) $
- ☐ Return Receipt (electronic) $
- ☐ Certified Mail Restricted Delivery $
- ☐ Adult Signature Required $
- ☐ Adult Signature Restricted Delivery $

Postage
$

Total Postage and Fees
$

BGT R.H.

Postmark Here

Chavez Gas Co C 1R

4/2/25

Sent To
Timothy & Tarra Gomez

Street and Apt. No., or PO Box No.
7205 US 64

City, State, ZIP+4®
Bloomfield NM 87413

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:
Timothy & Tarra Gomez
7205 US 64
Bloomfield, NM 87413

9590 9402 7573 2098 4596 14

2. Article Number (Transfer from service label)
7022 2410 0003 1570 6879

PS Form 3811, July 2020 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X
☐ Agent
☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
- ☐ Adult Signature
- ☐ Adult Signature Restricted Delivery
- ☐ Certified Mail®
- ☐ Certified Mail Restricted Delivery
- ☐ Collect on Delivery
- ☐ Collect on Delivery Restricted Delivery
- ☐ Mail Restricted Delivery
- ☐ Priority Mail Express®
- ☐ Registered Mail™
- ☐ Registered Mail Restricted Delivery
- ☐ Signature Confirmation™
- ☐ Signature Confirmation Restricted Delivery

BGT Chavez Gas Com C 1R R.H. 4/2/25

Domestic Return Receipt

7022 2410 0003 1570 6879

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

OFFICIAL USE

Certified Mail Fee
$

Extra Services & Fees (check box, add fee as appropriate)
- ☐ Return Receipt (hardcopy) $
- ☐ Return Receipt (electronic) $
- ☐ Certified Mail Restricted Delivery $
- ☐ Adult Signature Required $
- ☐ Adult Signature Restricted Delivery $

Postage
$

Total Postage and Fees
$

BGT R.H.

Postmark Here

Chavez Gas Com C 1R

4/2/25

Sent To: Timothy & Tara Gomez
Street and Apt. No., or PO Box No.: 7205 US 64
City, State, ZIP+4®: Bloomfield NM 87413

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:
Timothy & Tara Gomez
7205 US 64
Bloomfield, NM 87413

9590 9402 7573 2098 4596 14

2. Article Number (Transfer from service label)
7022 2410 0003 1570 6879

PS Form 3811, July 2020 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X Tim Gomez
☐ Agent
☐ Addressee

B. Received by (Printed Name)
Tim Gomez
C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes ☐ No
If YES, enter delivery address below:

RECEIVED OCD
APR - 9 2025
USPS 87413-9998

3. Service Type
- ☐ Adult Signature
- ☐ Adult Signature Restricted Delivery
- ☐ Certified Mail®
- ☐ Certified Mail Restricted Delivery
- ☐ Collect on Delivery
- ☐ Collect on Delivery Restricted Delivery
- ☐ Mail Restricted Delivery
- ☐ Priority Mail Express®
- ☐ Registered Mail™
- ☐ Registered Mail Restricted Delivery
- ☐ Signature Confirmation™
- ☐ Signature Confirmation Restricted Delivery

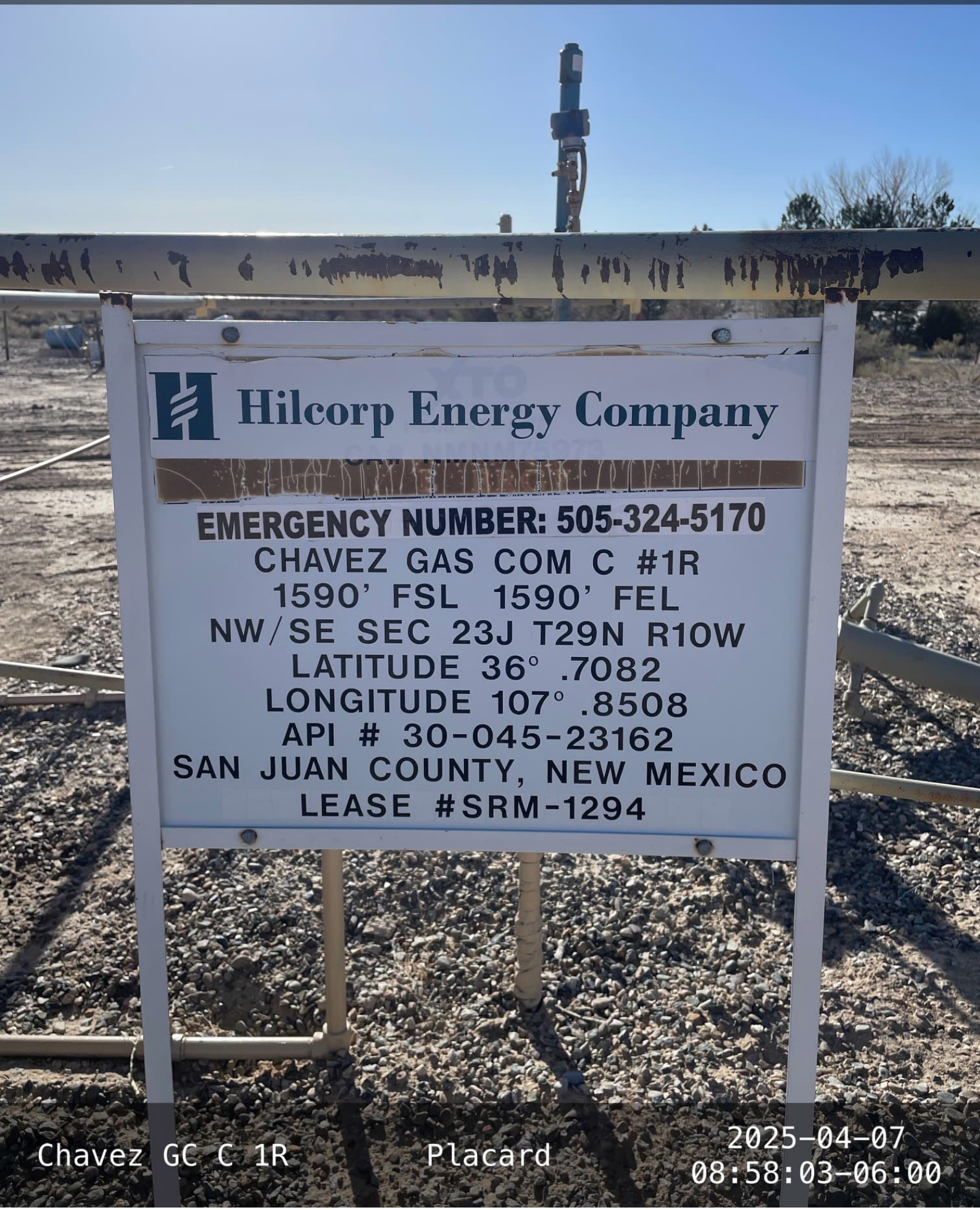
Domestic Return Receipt

BGT Chavez Gas Com C 1R R.H. 4/2/25

DIRECTION
90 deg(T)

36.70905°N
107.85165°W

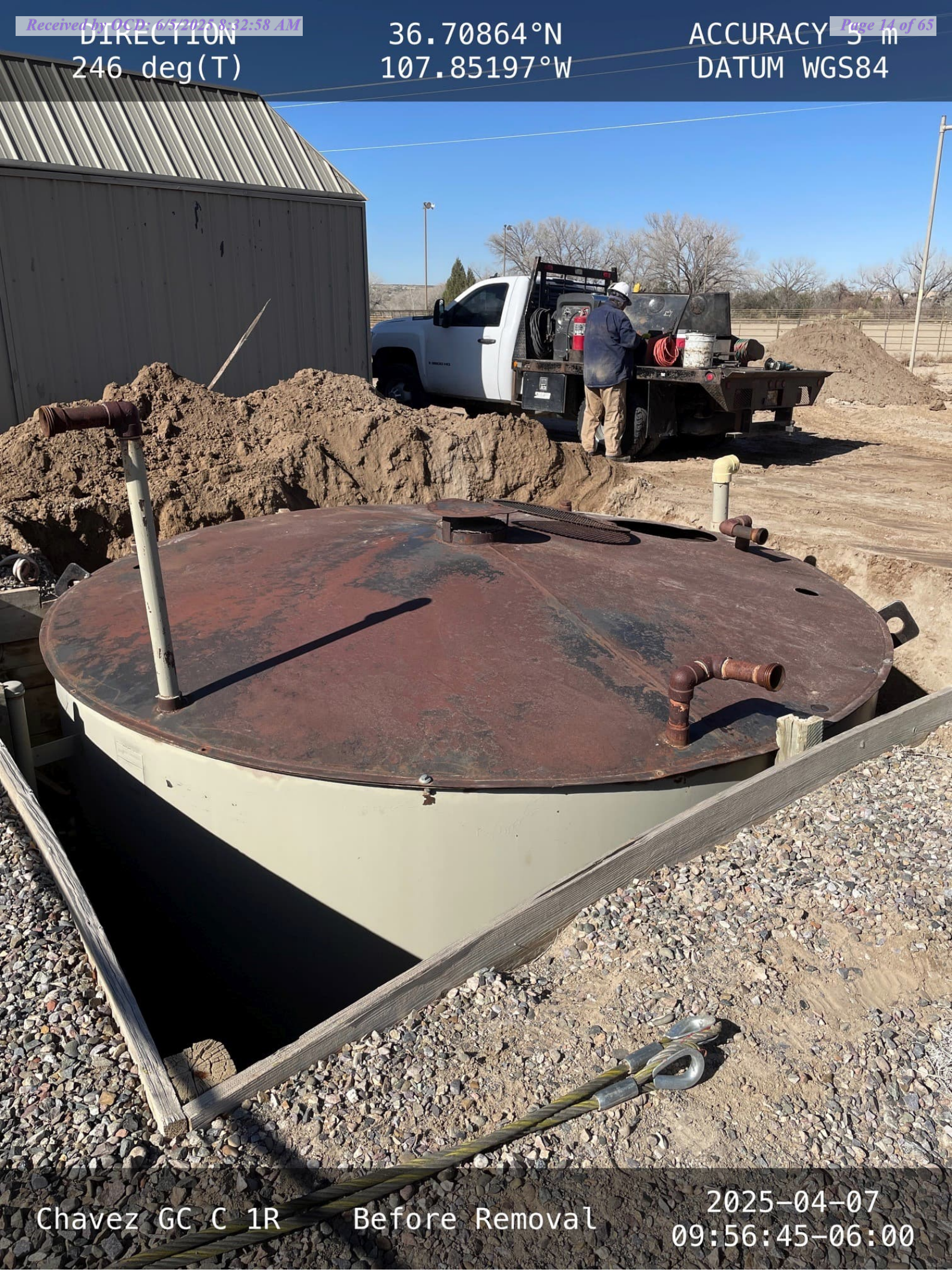
ACCURACY 4 m
DATUM WGS84

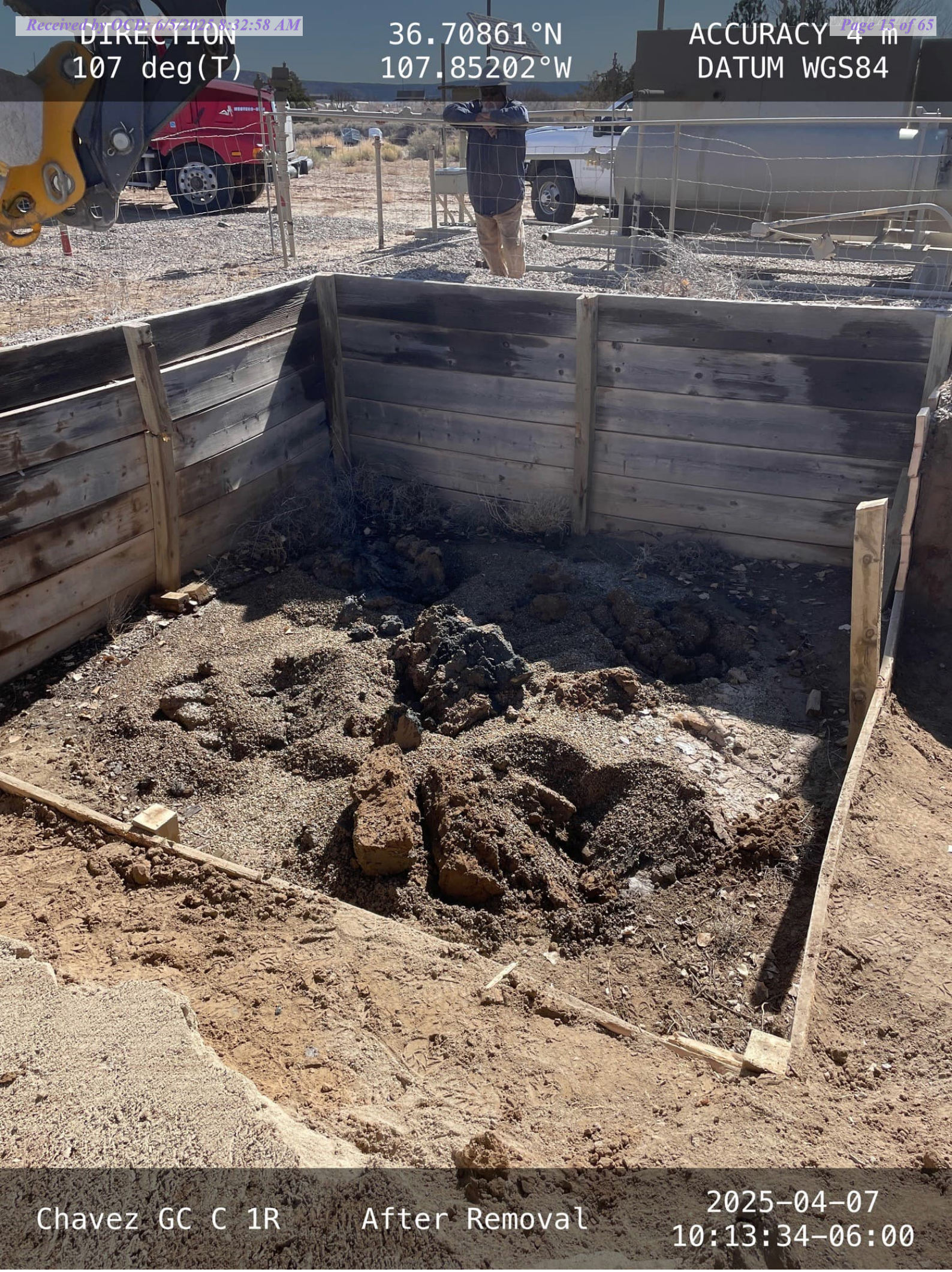


Chavez GC C 1R

Placard

2025-04-07
08:58:03-06:00


DIRECTION
246 deg(T)
36.70864°N
107.85197°W
ACCURACY 5 m
DATUM WGS84
Chavez GC C 1R
Before Removal
2025-04-07
09:56:45-06:00


DIRECTION
107 deg(T)
36.70861°N
107.85202°W
ACCURACY 4 m
DATUM WGS84
Chavez GC C 1R
After Removal
2025-04-07
10:13:34-06:00

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-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Hilcorp Energy Company	OGRID 372171
Contact Name Mitch Killough	Contact Telephone 713-757-5247
Contact email mkillough@hilcorp.com	Incident #
Contact mailing address 1111 Travis Street, Houston, Texas 77002	

Location of Release Source

Latitude 36.7082787 Longitude -107.850769

(NAD 83 in decimal degrees to 5 decimal places)

Site Name Chavez Gas Com C 1R	Site Type Well
Date Release Discovered: 5/7/2025 – *Date of Eurofins Environment Testing laboratory report*	API# 30-045-23162

Unit Letter	Section	Township	Range	County
J	23	29N	10W	San Juan

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☒ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release:
Historical release discovered during the permanent removal of a below-grade tank (BGT). Refer to attached memo (dated 5/20/2025) for additional information.

Per the memo attached, all future work on this project will be carried out in accordance with 19.15.29 NMAC. A Form C-141 was submitted to the NMOCD on 5/20/2025.

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☒ No	If YES, for what reason(s) does the responsible party consider this a major release? This is a minor release since soil delineation attempts proved that the total impacted soil volume did not exceed 60 yards. However, the estimated spill volume is unknown.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

☒ The source of the release has been stopped.
☒ The impacted area has been secured to protect human health and the environment.
☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
☒ All free liquids and recoverable materials have been removed and managed appropriately.

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

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Mitch Killough Title: Environmental Specialist

Signature: _____ _____ Date: 5/20/2025

email: mkillough@hilcorp.com Telephone: 713-757-5247

OCD Only

Received by: _____ Date: _____

Memorandum

To: New Mexico Oil Conservation Division (NMOCD)

From: Mitch Killough, Hilcorp Energy Company (Hilcorp)

Date: 5/20/2025

Subject: Chavez Gas Com C 1R – Permanent Closure of a Below-Grade Tank (BGT)

On 4/2/2025, Hilcorp submitted a 72-hour notice prior to the permanent closure of a BGT at the Chavez Gas Com C 1R, San Juan County, New Mexico. As required by Condition 7 *(found in the Closure Plan, approved by the NMOCD on 2/2/2023)*, Hilcorp personnel proceeded to collect a 5-pt composite soil sample on 4/7/2025 to determine if any contaminant concentrations exceeded the BGT closure criteria thresholds, per Condition 7. Upon receiving analytical results on 4/21/2025, Hilcorp determined that benzene, total BTEX (BTEX), and total petroleum hydrocarbons (TPH) exceeded the BGT closure criteria thresholds shown in Condition 7 of the closure plan. Thus, indicating that a potential release occurred (refer to table below). In addition, BTEX and TPH exceeded the Closure Criteria for Soils listed in Table I of 19.15.17.13 NMAC for groundwater depths (≤ 50 ft).

Soil Sample Identification	Sample Date	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	Chlorides (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	MRO (mg/kg)	GRO+DRO (mg/kg)	TPH (mg/kg)
Bottom Comp 6'	4/7/2025	<2.5	30	16	470	516	<60	5900	790	53	6690	6743
NMOCD BGT Closure Criteria		0.2	NE	NE	NE	50	250	NE	NE	NE	NE	100
Table I of 19.15.17.13 NMAC		10	NE	NE	NE	50	600	NE	NE	NE	NE	100

On 4/30/2025, Hilcorp commenced soil delineation activities in order to determine the extent of impacted soils immediately adjacent and beneath the former BGT location. Upon receiving the latest analytical report (dated 5/7/2025), Hilcorp was able to determine the full extent of impacted soils and the total impacted soil volume. Note that the estimated total impacted soil volume is 59 cubic yards and is based on conservative estimates. Additional supporting material can be made available upon request.

In light of the latest lab results, Hilcorp submitted a C-141 to notify the NMOCD of the results on 5/20/2025. The Incident ID is nAPP2514041145. All future work on this project will be carried out in accordance with 19.15.29 NMAC.

Enclosures: Table 1 – Soil Sample Analytical Results
Estimated Volume Tool
Notification of Release (dated 5/20/2025)
Lab Reports (dated 4/21/2025, 5/7/2025)

Hilcorp Energy Company
1111 Travis Street, Houston, Texas 77002
T 713.209.2400 F 713.289.2750

ENSOLUM

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
Chavez Gas Com C 1R
Hilcorp Energy Company
San Juan County, New Mexico

Sample Identification	Date	Depth (feet bgs)	PID (ppm)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Closure Criteria for Soils Impacted by a Release			NE	**10**	NE	NE	NE	**50**	NE	NE	NE	**100**	**600**
PH01@11'	4/30/2025	11	238.8	<0.024	<0.048	<0.048	0.22	0.22	<4.8	<9.2	<46	<46	<60
PH01@12'	4/30/2025	12	318.3	<0.024	<0.049	0.12	1.0	1.1	55	14	<46	69	<60
PH02@4'	4/30/2025	4	7.0	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.9	<49	<49	<60
PH02@10'	4/30/2025	10	7.3	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.7	<48	<48	160
PH03@4'	4/30/2025	4	8.1	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<9.5	<48	<48	170
PH03@10'	4/30/2025	10	7.7	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.7	<49	<49	170
PH04@8'	4/30/2025	8	6.7	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.3	<47	<47	<60
PH04@10'	4/30/2025	10	8.0	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.8	<49	<49	<60
PH05@8'	4/30/2025	8	8.5	<0.023	<0.046	<0.046	<0.093	<0.093	<4.6	<9.8	<49	<49	<60
PH05@10'	4/30/2025	10	2.6	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	<9.8	<49	<49	300

Notes:

bgs: Below ground surface
BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes
mg/kg: Milligrams per kilogram
NE: Not Established
NMOCD: New Mexico Oil Conservation Division
PID: Photoionization detector
ppm: Parts per million
GRO: Gasoline Range Organics
DRO: Diesel Range Organics
MRO: Motor Oil/Lube Oil Range Organics
TPH: Total Petroleum Hydrocarbon
': Feet
< : Indicates result less than the stated laboratory reporting limit (RL)
*Concentrations in **bold** and shaded exceed the New Mexico Oil Conservation Division Table I Closure Criteria for Soils Impacted by a Release*

ESTIMATED VOLUME TOOL
CHAVEZ GAS COM C 1R
HILCORP ENERGY COMPANY

This tool estimates the approximate volume of soil to be removed from an excavation based on estimated dimensions of impacted soil.

ESTIMATED ADDITIONAL EXCAVATION DIMENSIONS	
Length (E-W)	20 *ft*
Width (N-S)	20 *ft*
Depth/Thickness	4 *ft*
Total Soil Volume	**59** ***yds³***

Mitch Killough

From: OCDOnline@state.nm.us
Sent: Tuesday, May 20, 2025 12:26 PM
To: Mitch Killough
Subject: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 465234

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

To whom it may concern (c/o Mitch Killough for HILCORP ENERGY COMPANY),

The OCD has accepted the submitted *Notification of a release* (NOR), for incident ID (n#) nAPP2514041145,
with the following conditions:

- **When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.**

Please reference nAPP2514041145, on all subsequent C-141 submissions and communications regarding the remediation of this release.
NOTE: As of December 2019, NMOCD has discontinued the use of the “RP” number.
If you have any questions regarding this application, or don't know why you have received this email, please contact us.

ocd.enviro@state.nm.us

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

Mitch Killough

From: OCDOnline@state.nm.us
Sent: Tuesday, May 20, 2025 12:33 PM
To: Mitch Killough
Subject: [EXTERNAL] OCD Receipt of Fee Application Payment
Attachments: OCDReceiptOfFeePayment.pdf

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

Thank you for your fee application payment! Your receipt is attached.

PO Number:	B24UA-250520-C-1410
Payment Date:	5/20/2025
Payment Amount:	$150.00
Payment Type:	Credit Card

Application Type:	Application for administrative approval of a release notification and corrective action
Fee Amount:	$150.00
Application Status:	Under OCD Review

OGRID:	372171
First Name:	Mitch
Last Name:	Killough
Email:	mkillough@hilcorp.com

IMPORTANT: If you are mailing or delivering your application, you must print and include your receipt of payment as the first page on your application. All mailed and delivered applications must be sent to the following address: 1220 S. St. Francis Dr., Santa Fe, NM 87505. For inquiries, reference the PO Number listed above.

Oil Conservation Division * 1220 South St. Francis Drive * Santa Fe, New Mexico 87505
(505) 476-3441 * ocd.fees@state.nm.us * www.emnrd.nm.gov/OCD

This is an automated email please do not reply.

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mitch Killough
Hilcorp Energy
PO BOX 4700
Farmington, New Mexico 87499

Generated 4/21/2025 11:04:28 AM

JOB DESCRIPTION

Chavez GC C 1R

JOB NUMBER

885-23206-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.

Eurofins Albuquerque

Job Notes

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

Authorization

Generated
4/21/2025 11:04:28 AM

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

Client: Hilcorp Energy
Project/Site: Chavez GC C 1R

Laboratory Job ID: 885-23206-1

Table of Contents

Definitions/Glossary

Client: Hilcorp Energy Job ID: 885-23206-1
Project/Site: Chavez GC C 1R

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.

GC Semi VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.

Glossary

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

Case Narrative

Client: Hilcorp Energy
Project: Chavez GC C 1R

Job ID: 885-23206-1

Job ID: 885-23206-1 Eurofins Albuquerque

Job Narrative
885-23206-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The sample was received on 4/15/2025 7:15 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.3°C.

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

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

Diesel Range Organics
Method 8015D_DRO: Surrogate recovery for the following sample was outside the upper control limit: (MB 885-24387/1-A). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

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

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

Client Sample Results

Client: Hilcorp Energy
Project/Site: Chavez GC C 1R

Job ID: 885-23206-1

Client Sample ID: Bottom Comp 6'

Date Collected: 04/07/25 10:15
Date Received: 04/15/25 07:15

Lab Sample ID: 885-23206-1

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	5900		500		mg/Kg		04/15/25 13:22	04/17/25 17:36	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*184*	*S1+*	*35 - 166*	*04/15/25 13:22*	*04/17/25 17:36*	*100*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.5		mg/Kg		04/15/25 13:22	04/17/25 17:36	100
Ethylbenzene	30		5.0		mg/Kg		04/15/25 13:22	04/17/25 17:36	100
Toluene	16		5.0		mg/Kg		04/15/25 13:22	04/17/25 17:36	100
Xylenes, Total	470		9.9		mg/Kg		04/15/25 13:22	04/17/25 17:36	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*48 - 145*	*04/15/25 13:22*	*04/17/25 17:36*	*100*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	790		9.5		mg/Kg		04/16/25 13:17	04/17/25 18:13	1
Motor Oil Range Organics [C28-C40]	53		48		mg/Kg		04/16/25 13:17	04/17/25 18:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*105*		*62 - 134*	*04/16/25 13:17*	*04/17/25 18:13*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		04/17/25 08:43	04/17/25 17:49	20

QC Sample Results

Client: Hilcorp Energy
Project/Site: Chavez GC C 1R

Job ID: 885-23206-1

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

Lab Sample ID: MB 885-24304/1-A
Matrix: Solid
Analysis Batch: 24426

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 24304

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0		mg/Kg		04/15/25 13:22	04/17/25 04:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*35 - 166*	*04/15/25 13:22*	*04/17/25 04:06*	*1*

Lab Sample ID: LCS 885-24304/2-A
Matrix: Solid
Analysis Batch: 24426

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 24304

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics [C6 - C10]			25.0	25.7		mg/Kg		103	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*203*	*S1+*	*35 - 166*

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-24304/1-A
Matrix: Solid
Analysis Batch: 24427

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 24304

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		04/15/25 13:22	04/17/25 04:06	1
Ethylbenzene	ND		0.050		mg/Kg		04/15/25 13:22	04/17/25 04:06	1
Toluene	ND		0.050		mg/Kg		04/15/25 13:22	04/17/25 04:06	1
Xylenes, Total	ND		0.10		mg/Kg		04/15/25 13:22	04/17/25 04:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*48 - 145*	*04/15/25 13:22*	*04/17/25 04:06*	*1*

Lab Sample ID: LCS 885-24304/3-A
Matrix: Solid
Analysis Batch: 24427

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 24304

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			1.00	1.08		mg/Kg		108	70 - 130		
Ethylbenzene			1.00	1.03		mg/Kg		103	70 - 130		
m&p-Xylene			2.00	2.07		mg/Kg		104	70 - 130		
o-Xylene			1.00	1.04		mg/Kg		104	70 - 130		
Toluene			1.00	1.03		mg/Kg		103	70 - 130		
Xylenes, Total			3.00	3.11		mg/Kg		104	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*48 - 145*

QC Sample Results

Client: Hilcorp Energy
Project/Site: Chavez GC C 1R

Job ID: 885-23206-1

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

Lab Sample ID: MB 885-24387/1-A
Matrix: Solid
Analysis Batch: 24440

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 24387

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10		mg/Kg		04/16/25 13:17	04/17/25 13:17	1
Motor Oil Range Organics [C28-C40]	ND		50		mg/Kg		04/16/25 13:17	04/17/25 13:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*159*	*S1+*	*62 - 134*	*04/16/25 13:17*	*04/17/25 13:17*	*1*

Lab Sample ID: LCS 885-24387/2-A
Matrix: Solid
Analysis Batch: 24440

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 24387

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10-C28]			50.0	60.3		mg/Kg		121	60 - 135		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Di-n-octyl phthalate (Surr)	*125*		*62 - 134*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-24443/1-A
Matrix: Solid
Analysis Batch: 24448

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 24443

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		3.0		mg/Kg		04/17/25 08:43	04/17/25 11:41	1

Lab Sample ID: LCS 885-24443/2-A
Matrix: Solid
Analysis Batch: 24448

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 24443

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			30.0	30.2		mg/Kg		101	90 - 110		

QC Association Summary

Client: Hilcorp Energy
Project/Site: Chavez GC C 1R

Job ID: 885-23206-1

GC VOA

Prep Batch: 24304

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-23206-1	Bottom Comp 6'	Total/NA	Solid	5030C	
MB 885-24304/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-24304/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-24304/3-A	Lab Control Sample	Total/NA	Solid	5030C	

Analysis Batch: 24426

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-24304/1-A	Method Blank	Total/NA	Solid	8015M/D	24304
LCS 885-24304/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	24304

Analysis Batch: 24427

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-24304/1-A	Method Blank	Total/NA	Solid	8021B	24304
LCS 885-24304/3-A	Lab Control Sample	Total/NA	Solid	8021B	24304

Analysis Batch: 24569

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-23206-1	Bottom Comp 6'	Total/NA	Solid	8015M/D	24304

Analysis Batch: 24570

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-23206-1	Bottom Comp 6'	Total/NA	Solid	8021B	24304

GC Semi VOA

Prep Batch: 24387

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-23206-1	Bottom Comp 6'	Total/NA	Solid	SHAKE	
MB 885-24387/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-24387/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 24440

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-23206-1	Bottom Comp 6'	Total/NA	Solid	8015M/D	24387
MB 885-24387/1-A	Method Blank	Total/NA	Solid	8015M/D	24387
LCS 885-24387/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	24387

HPLC/IC

Prep Batch: 24443

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-23206-1	Bottom Comp 6'	Total/NA	Solid	300_Prep	
MB 885-24443/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-24443/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Analysis Batch: 24448

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-23206-1	Bottom Comp 6'	Total/NA	Solid	300.0	24443
MB 885-24443/1-A	Method Blank	Total/NA	Solid	300.0	24443
LCS 885-24443/2-A	Lab Control Sample	Total/NA	Solid	300.0	24443

Lab Chronicle

Client: Hilcorp Energy
Project/Site: Chavez GC C 1R

Job ID: 885-23206-1

Client Sample ID: Bottom Comp 6'

Lab Sample ID: 885-23206-1

Date Collected: 04/07/25 10:15
Matrix: Solid
Date Received: 04/15/25 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			24304	JP	EET ALB	04/15/25 13:22
Total/NA	Analysis	8015M/D		100	24569	AT	EET ALB	04/17/25 17:36
Total/NA	Prep	5030C			24304	JP	EET ALB	04/15/25 13:22
Total/NA	Analysis	8021B		100	24570	AT	EET ALB	04/17/25 17:36
Total/NA	Prep	SHAKE			24387	MI	EET ALB	04/16/25 13:17
Total/NA	Analysis	8015M/D		1	24440	EM	EET ALB	04/17/25 18:13
Total/NA	Prep	300_Prep			24443	JT	EET ALB	04/17/25 08:43
Total/NA	Analysis	300.0		20	24448	DL	EET ALB	04/17/25 17:49

Laboratory References:

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

Accreditation/Certification Summary

Client: Hilcorp Energy
Project/Site: Chavez GC C 1R

Job ID: 885-23206-1

Laboratory: Eurofins Albuquerque

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

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

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

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

Oregon	NELAP	NM100001	02-26-26

Chain-of-Custody Record

Client: Hilcorp

Mailing Address:

Phone #:

email or Fax#: brandon.sinclair@hilcorp.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☑ Standard ☐ Rush

Project Name: Chavez GC C 1R

Project #:

Project Manager: Mitch Killough

Sampler: Brandon Sinclair

On Ice: ☑ Yes ☐ No

# of Coolers: 1 Wet

Cooler Temp (including CF): 0.1+0.2=0.3 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 8710
Tel. 505-345-3975 Fax 505-345-4107

885-23206 COC

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)						
4-7	1015	soil	Bottom Comp 6'	4oz jar	cool		✓	✓					✓									

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
4-14	1600			courier	4/15/25	7:15
Date	Time	Relinquished by	Received by:	Via:	Date	Time

Remarks:

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

Login Sample Receipt Checklist

Client: Hilcorp Energy Job Number: 885-23206-1

Login Number: 23206 **List Source: Eurofins Albuquerque**
List Number: 1
Creator: Casarrubias, Tracy

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mitch Killough
Hilcorp Energy
PO BOX 4700
Farmington, New Mexico 87499

Generated 5/7/2025 5:43:07 PM

JOB DESCRIPTION

Chavez Gas Com C 1R

JOB NUMBER

885-24044-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.

Eurofins Albuquerque

Job Notes

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

Authorization

Generated
5/7/2025 5:43:07 PM

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

Client: Hilcorp Energy
Project/Site: Chavez Gas Com C 1R

Laboratory Job ID: 885-24044-1

Table of Contents

Definitions/Glossary

Client: Hilcorp Energy
Project/Site: Chavez Gas Com C 1R

Job ID: 885-24044-1

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.

Glossary

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

Case Narrative

Client: Hilcorp Energy
Project: Chavez Gas Com C 1R

Job ID: 885-24044-1

Job ID: 885-24044-1 Eurofins Albuquerque

Job Narrative
885-24044-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 5/1/2025 7:10 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.5°C.

Gasoline Range Organics
Method 8015D_GRO: Surrogate recovery for the following sample was outside control limits: PH01@12' (885-24044-2). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

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

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

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

Client Sample Results

Client: Hilcorp Energy
Project/Site: Chavez Gas Com C 1R

Job ID: 885-24044-1

Client Sample ID: PH01@11'

Date Collected: 04/30/25 09:25
Date Received: 05/01/25 07:10

Lab Sample ID: 885-24044-1

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.8		mg/Kg		05/01/25 17:03	05/05/25 11:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*35 - 166*	*05/01/25 17:03*	*05/05/25 11:04*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		05/01/25 17:03	05/05/25 11:04	1
Ethylbenzene	ND		0.048		mg/Kg		05/01/25 17:03	05/05/25 11:04	1
Toluene	ND		0.048		mg/Kg		05/01/25 17:03	05/05/25 11:04	1
Xylenes, Total	**0.22**		0.096		mg/Kg		05/01/25 17:03	05/05/25 11:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*48 - 145*	*05/01/25 17:03*	*05/05/25 11:04*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.2		mg/Kg		05/02/25 12:59	05/02/25 16:03	1
Motor Oil Range Organics [C28-C40]	ND		46		mg/Kg		05/02/25 12:59	05/02/25 16:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*107*		*62 - 134*	*05/02/25 12:59*	*05/02/25 16:03*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		05/02/25 11:06	05/02/25 13:15	20

Client Sample Results

Client: Hilcorp Energy
Project/Site: Chavez Gas Com C 1R

Job ID: 885-24044-1

Client Sample ID: PH01@12'

Date Collected: 04/30/25 09:31
Date Received: 05/01/25 07:10

Lab Sample ID: 885-24044-2

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	**55**		4.9		mg/Kg		05/01/25 17:03	05/02/25 13:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*169*	*S1+*	*35 - 166*	*05/01/25 17:03*	*05/02/25 13:30*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		05/01/25 17:03	05/02/25 13:30	1
Ethylbenzene	**0.12**		0.049		mg/Kg		05/01/25 17:03	05/02/25 13:30	1
Toluene	ND		0.049		mg/Kg		05/01/25 17:03	05/02/25 13:30	1
Xylenes, Total	**1.0**		0.097		mg/Kg		05/01/25 17:03	05/02/25 13:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*128*		*48 - 145*	*05/01/25 17:03*	*05/02/25 13:30*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**14**		9.3		mg/Kg		05/02/25 12:59	05/02/25 16:35	1
Motor Oil Range Organics [C28-C40]	ND		46		mg/Kg		05/02/25 12:59	05/02/25 16:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*115*		*62 - 134*	*05/02/25 12:59*	*05/02/25 16:35*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		05/02/25 11:06	05/02/25 13:46	20

Client Sample Results

Client: Hilcorp Energy
Project/Site: Chavez Gas Com C 1R

Job ID: 885-24044-1

Client Sample ID: PH02@4'
Date Collected: 04/30/25 09:44
Date Received: 05/01/25 07:10

Lab Sample ID: 885-24044-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9		mg/Kg		05/01/25 17:03	05/02/25 14:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*35 - 166*	*05/01/25 17:03*	*05/02/25 14:35*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		05/01/25 17:03	05/02/25 14:35	1
Ethylbenzene	ND		0.049		mg/Kg		05/01/25 17:03	05/02/25 14:35	1
Toluene	ND		0.049		mg/Kg		05/01/25 17:03	05/02/25 14:35	1
Xylenes, Total	ND		0.098		mg/Kg		05/01/25 17:03	05/02/25 14:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*48 - 145*	*05/01/25 17:03*	*05/02/25 14:35*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9		mg/Kg		05/02/25 12:59	05/02/25 16:46	1
Motor Oil Range Organics [C28-C40]	ND		49		mg/Kg		05/02/25 12:59	05/02/25 16:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*115*		*62 - 134*	*05/02/25 12:59*	*05/02/25 16:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		05/02/25 11:06	05/02/25 13:57	20

Client Sample Results

Client: Hilcorp Energy
Project/Site: Chavez Gas Com C 1R

Job ID: 885-24044-1

Client Sample ID: PH02@10'
Date Collected: 04/30/25 09:57
Date Received: 05/01/25 07:10

Lab Sample ID: 885-24044-4
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.8		mg/Kg		05/01/25 17:03	05/02/25 14:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*35 - 166*	*05/01/25 17:03*	*05/02/25 14:56*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		05/01/25 17:03	05/02/25 14:56	1
Ethylbenzene	ND		0.048		mg/Kg		05/01/25 17:03	05/02/25 14:56	1
Toluene	ND		0.048		mg/Kg		05/01/25 17:03	05/02/25 14:56	1
Xylenes, Total	ND		0.096		mg/Kg		05/01/25 17:03	05/02/25 14:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*48 - 145*	*05/01/25 17:03*	*05/02/25 14:56*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7		mg/Kg		05/02/25 12:59	05/02/25 16:56	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		05/02/25 12:59	05/02/25 16:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*109*		*62 - 134*	*05/02/25 12:59*	*05/02/25 16:56*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**160**		60		mg/Kg		05/02/25 11:06	05/02/25 14:07	20

Client Sample Results

Client: Hilcorp Energy
Project/Site: Chavez Gas Com C 1R

Job ID: 885-24044-1

Client Sample ID: PH03@4'
Date Collected: 04/30/25 10:06
Date Received: 05/01/25 07:10

Lab Sample ID: 885-24044-5
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.7		mg/Kg		05/01/25 17:03	05/02/25 15:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*35 - 166*	*05/01/25 17:03*	*05/02/25 15:18*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		05/01/25 17:03	05/02/25 15:18	1
Ethylbenzene	ND		0.047		mg/Kg		05/01/25 17:03	05/02/25 15:18	1
Toluene	ND		0.047		mg/Kg		05/01/25 17:03	05/02/25 15:18	1
Xylenes, Total	ND		0.095		mg/Kg		05/01/25 17:03	05/02/25 15:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*48 - 145*	*05/01/25 17:03*	*05/02/25 15:18*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5		mg/Kg		05/02/25 12:59	05/02/25 17:07	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		05/02/25 12:59	05/02/25 17:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*112*		*62 - 134*	*05/02/25 12:59*	*05/02/25 17:07*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**170**		60		mg/Kg		05/02/25 11:06	05/02/25 14:17	20

Client Sample Results

Client: Hilcorp Energy
Project/Site: Chavez Gas Com C 1R

Job ID: 885-24044-1

Client Sample ID: PH03@10'

Date Collected: 04/30/25 10:15
Date Received: 05/01/25 07:10

Lab Sample ID: 885-24044-6

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.8		mg/Kg		05/01/25 17:03	05/02/25 15:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*35 - 166*	*05/01/25 17:03*	*05/02/25 15:40*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		05/01/25 17:03	05/02/25 15:40	1
Ethylbenzene	ND		0.048		mg/Kg		05/01/25 17:03	05/02/25 15:40	1
Toluene	ND		0.048		mg/Kg		05/01/25 17:03	05/02/25 15:40	1
Xylenes, Total	ND		0.096		mg/Kg		05/01/25 17:03	05/02/25 15:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*48 - 145*	*05/01/25 17:03*	*05/02/25 15:40*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7		mg/Kg		05/02/25 12:59	05/02/25 17:18	1
Motor Oil Range Organics [C28-C40]	ND		49		mg/Kg		05/02/25 12:59	05/02/25 17:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*108*		*62 - 134*	*05/02/25 12:59*	*05/02/25 17:18*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**170**		60		mg/Kg		05/02/25 11:06	05/02/25 14:28	20

Client Sample Results

Client: Hilcorp Energy
Project/Site: Chavez Gas Com C 1R

Job ID: 885-24044-1

Client Sample ID: PH04@8'

Date Collected: 04/30/25 10:45
Date Received: 05/01/25 07:10

Lab Sample ID: 885-24044-7

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0		mg/Kg		05/01/25 17:03	05/02/25 16:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*35 - 166*	*05/01/25 17:03*	*05/02/25 16:01*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		05/01/25 17:03	05/02/25 16:01	1
Ethylbenzene	ND		0.050		mg/Kg		05/01/25 17:03	05/02/25 16:01	1
Toluene	ND		0.050		mg/Kg		05/01/25 17:03	05/02/25 16:01	1
Xylenes, Total	ND		0.10		mg/Kg		05/01/25 17:03	05/02/25 16:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*48 - 145*	*05/01/25 17:03*	*05/02/25 16:01*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3		mg/Kg		05/02/25 12:59	05/02/25 17:28	1
Motor Oil Range Organics [C28-C40]	ND		47		mg/Kg		05/02/25 12:59	05/02/25 17:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*108*		*62 - 134*	*05/02/25 12:59*	*05/02/25 17:28*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		05/02/25 11:06	05/02/25 14:59	20

Client Sample Results

Client: Hilcorp Energy
Project/Site: Chavez Gas Com C 1R

Job ID: 885-24044-1

Client Sample ID: PH04@10'

Date Collected: 04/30/25 10:52
Date Received: 05/01/25 07:10

Lab Sample ID: 885-24044-8

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9		mg/Kg		05/01/25 17:03	05/02/25 16:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*35 - 166*	*05/01/25 17:03*	*05/02/25 16:23*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		05/01/25 17:03	05/02/25 16:23	1
Ethylbenzene	ND		0.049		mg/Kg		05/01/25 17:03	05/02/25 16:23	1
Toluene	ND		0.049		mg/Kg		05/01/25 17:03	05/02/25 16:23	1
Xylenes, Total	ND		0.098		mg/Kg		05/01/25 17:03	05/02/25 16:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*48 - 145*	*05/01/25 17:03*	*05/02/25 16:23*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8		mg/Kg		05/02/25 12:59	05/02/25 17:39	1
Motor Oil Range Organics [C28-C40]	ND		49		mg/Kg		05/02/25 12:59	05/02/25 17:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*111*		*62 - 134*	*05/02/25 12:59*	*05/02/25 17:39*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		05/02/25 11:06	05/02/25 15:09	20

Client Sample Results

Client: Hilcorp Energy
Project/Site: Chavez Gas Com C 1R

Job ID: 885-24044-1

Client Sample ID: PH05@8'

Date Collected: 04/30/25 11:13
Date Received: 05/01/25 07:10

Lab Sample ID: 885-24044-9

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.6		mg/Kg		05/01/25 17:03	05/02/25 16:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*35 - 166*	*05/01/25 17:03*	*05/02/25 16:45*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023		mg/Kg		05/01/25 17:03	05/02/25 16:45	1
Ethylbenzene	ND		0.046		mg/Kg		05/01/25 17:03	05/02/25 16:45	1
Toluene	ND		0.046		mg/Kg		05/01/25 17:03	05/02/25 16:45	1
Xylenes, Total	ND		0.093		mg/Kg		05/01/25 17:03	05/02/25 16:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*48 - 145*	*05/01/25 17:03*	*05/02/25 16:45*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8		mg/Kg		05/02/25 12:59	05/02/25 18:01	1
Motor Oil Range Organics [C28-C40]	ND		49		mg/Kg		05/02/25 12:59	05/02/25 18:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*109*		*62 - 134*	*05/02/25 12:59*	*05/02/25 18:01*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		05/02/25 11:06	05/02/25 15:19	20

Client Sample Results

Client: Hilcorp Energy
Project/Site: Chavez Gas Com C 1R

Job ID: 885-24044-1

Client Sample ID: PH05@10'
Date Collected: 04/30/25 11:16
Date Received: 05/01/25 07:10

Lab Sample ID: 885-24044-10
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.8		mg/Kg		05/01/25 17:03	05/02/25 17:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*35 - 166*	*05/01/25 17:03*	*05/02/25 17:06*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		05/01/25 17:03	05/02/25 17:06	1
Ethylbenzene	ND		0.048		mg/Kg		05/01/25 17:03	05/02/25 17:06	1
Toluene	ND		0.048		mg/Kg		05/01/25 17:03	05/02/25 17:06	1
Xylenes, Total	ND		0.095		mg/Kg		05/01/25 17:03	05/02/25 17:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*48 - 145*	*05/01/25 17:03*	*05/02/25 17:06*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8		mg/Kg		05/02/25 12:59	05/02/25 18:11	1
Motor Oil Range Organics [C28-C40]	ND		49		mg/Kg		05/02/25 12:59	05/02/25 18:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*115*		*62 - 134*	*05/02/25 12:59*	*05/02/25 18:11*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**300**		60		mg/Kg		05/02/25 11:06	05/02/25 15:30	20

QC Sample Results

Client: Hilcorp Energy
Project/Site: Chavez Gas Com C 1R

Job ID: 885-24044-1

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

Lab Sample ID: MB 885-25372/1-A
Matrix: Solid
Analysis Batch: 25397

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 25372

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0		mg/Kg		05/01/25 17:03	05/02/25 11:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*35 - 166*	*05/01/25 17:03*	*05/02/25 11:41*	*1*

Lab Sample ID: LCS 885-25372/2-A
Matrix: Solid
Analysis Batch: 25397

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 25372

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics [C6 - C10]			25.0	27.7		mg/Kg		111	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*211*		*35 - 166*

Lab Sample ID: 885-24044-1 MS
Matrix: Solid
Analysis Batch: 25476

Client Sample ID: PH01@11'
Prep Type: Total/NA
Prep Batch: 25372

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics [C6 - C10]	ND		24.0	31.8		mg/Kg		116	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*226*		*35 - 166*

Lab Sample ID: 885-24044-1 MSD
Matrix: Solid
Analysis Batch: 25476

Client Sample ID: PH01@11'
Prep Type: Total/NA
Prep Batch: 25372

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics [C6 - C10]	ND		24.3	31.8		mg/Kg		115	70 - 130	0	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*224*		*35 - 166*

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-25372/1-A
Matrix: Solid
Analysis Batch: 25398

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 25372

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		05/01/25 17:03	05/02/25 11:41	1
Ethylbenzene	ND		0.050		mg/Kg		05/01/25 17:03	05/02/25 11:41	1
Toluene	ND		0.050		mg/Kg		05/01/25 17:03	05/02/25 11:41	1

QC Sample Results

Client: Hilcorp Energy
Project/Site: Chavez Gas Com C 1R

Job ID: 885-24044-1

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

Lab Sample ID: MB 885-25372/1-A
Matrix: Solid
Analysis Batch: 25398

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 25372

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		0.10		mg/Kg		05/01/25 17:03	05/02/25 11:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*48 - 145*	*05/01/25 17:03*	*05/02/25 11:41*	*1*

Lab Sample ID: LCS 885-25372/3-A
Matrix: Solid
Analysis Batch: 25398

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 25372

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			1.00	1.03		mg/Kg		103	70 - 130		
Ethylbenzene			1.00	1.03		mg/Kg		103	70 - 130		
m&p-Xylene			2.00	2.10		mg/Kg		105	70 - 130		
o-Xylene			1.00	1.04		mg/Kg		104	70 - 130		
Toluene			1.00	1.01		mg/Kg		101	70 - 130		
Xylenes, Total			3.00	3.14		mg/Kg		105	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*48 - 145*

Lab Sample ID: 885-24044-2 MS
Matrix: Solid
Analysis Batch: 25398

Client Sample ID: PH01@12'
Prep Type: Total/NA
Prep Batch: 25372

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	ND		0.972	1.04		mg/Kg		107	70 - 130		
Ethylbenzene	0.12		0.972	1.09		mg/Kg		100	70 - 130		
m&p-Xylene	0.87		1.94	2.58		mg/Kg		88	70 - 130		
o-Xylene	0.13		0.972	1.12		mg/Kg		101	70 - 130		
Toluene	ND		0.972	1.03		mg/Kg		106	70 - 130		
Xylenes, Total	1.0		2.92	3.69		mg/Kg		92	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*48 - 145*

Lab Sample ID: 885-24044-2 MSD
Matrix: Solid
Analysis Batch: 25398

Client Sample ID: PH01@12'
Prep Type: Total/NA
Prep Batch: 25372

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		0.962	1.02		mg/Kg		106	70 - 130	2	20
Ethylbenzene	0.12		0.962	1.08		mg/Kg		100	70 - 130	1	20
m&p-Xylene	0.87		1.92	2.51		mg/Kg		85	70 - 130	2	20
o-Xylene	0.13		0.962	1.10		mg/Kg		101	70 - 130	1	20
Toluene	ND		0.962	1.01		mg/Kg		105	70 - 130	2	20
Xylenes, Total	1.0		2.89	3.62		mg/Kg		90	70 - 130	2	20

QC Sample Results

Client: Hilcorp Energy
Project/Site: Chavez Gas Com C 1R

Job ID: 885-24044-1

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

Lab Sample ID: 885-24044-2 MSD
Matrix: Solid
Analysis Batch: 25398

Client Sample ID: PH01@12'
Prep Type: Total/NA
Prep Batch: 25372

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*108*		*48 - 145*

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

Lab Sample ID: MB 885-25426/1-A
Matrix: Solid
Analysis Batch: 25385

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 25426

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10		mg/Kg		05/02/25 12:59	05/02/25 15:41	1
Motor Oil Range Organics [C28-C40]	ND		50		mg/Kg		05/02/25 12:59	05/02/25 15:41	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	*109*		*62 - 134*	*05/02/25 12:59*	*05/02/25 15:41*	*1*

Lab Sample ID: LCS 885-25426/2-A
Matrix: Solid
Analysis Batch: 25385

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 25426

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10-C28]			50.0	51.3		mg/Kg		103	51 - 148		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Di-n-octyl phthalate (Surr)	*104*		*62 - 134*

Lab Sample ID: 885-24044-1 MS
Matrix: Solid
Analysis Batch: 25385

Client Sample ID: PH01@11'
Prep Type: Total/NA
Prep Batch: 25426

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10-C28]	ND		47.2	56.4		mg/Kg		119	44 - 136		

Surrogate	MS %Recovery	MS Qualifier	Limits
Di-n-octyl phthalate (Surr)	*112*		*62 - 134*

Lab Sample ID: 885-24044-1 MSD
Matrix: Solid
Analysis Batch: 25385

Client Sample ID: PH01@11'
Prep Type: Total/NA
Prep Batch: 25426

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	ND		46.3	52.9		mg/Kg		114	44 - 136	6	32

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Di-n-octyl phthalate (Surr)	*112*		*62 - 134*

QC Sample Results

Client: Hilcorp Energy
Project/Site: Chavez Gas Com C 1R

Job ID: 885-24044-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-25414/1-A
Matrix: Solid
Analysis Batch: 25422

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 25414

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		3.0		mg/Kg		05/02/25 11:06	05/02/25 12:37	1

Lab Sample ID: LCS 885-25414/2-A
Matrix: Solid
Analysis Batch: 25422

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 25414

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			30.0	29.1		mg/Kg		97	90 - 110		

Lab Sample ID: 885-24044-1 MS
Matrix: Solid
Analysis Batch: 25422

Client Sample ID: PH01@11'
Prep Type: Total/NA
Prep Batch: 25414

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	ND		29.8	ND		mg/Kg		NC	50 - 150		

Lab Sample ID: 885-24044-1 MSD
Matrix: Solid
Analysis Batch: 25422

Client Sample ID: PH01@11'
Prep Type: Total/NA
Prep Batch: 25414

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	ND		30.1	ND		mg/Kg		NC	50 - 150	NC	20

QC Association Summary

Client: Hilcorp Energy
Project/Site: Chavez Gas Com C 1R

Job ID: 885-24044-1

GC VOA

Prep Batch: 25372

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-24044-1	PH01@11'	Total/NA	Solid	5030C	
885-24044-2	PH01@12'	Total/NA	Solid	5030C	
885-24044-3	PH02@4'	Total/NA	Solid	5030C	
885-24044-4	PH02@10'	Total/NA	Solid	5030C	
885-24044-5	PH03@4'	Total/NA	Solid	5030C	
885-24044-6	PH03@10'	Total/NA	Solid	5030C	
885-24044-7	PH04@8'	Total/NA	Solid	5030C	
885-24044-8	PH04@10'	Total/NA	Solid	5030C	
885-24044-9	PH05@8'	Total/NA	Solid	5030C	
885-24044-10	PH05@10'	Total/NA	Solid	5030C	
MB 885-25372/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-25372/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-25372/3-A	Lab Control Sample	Total/NA	Solid	5030C	
885-24044-1 MS	PH01@11'	Total/NA	Solid	5030C	
885-24044-1 MSD	PH01@11'	Total/NA	Solid	5030C	
885-24044-2 MS	PH01@12'	Total/NA	Solid	5030C	
885-24044-2 MSD	PH01@12'	Total/NA	Solid	5030C	

Analysis Batch: 25397

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-24044-2	PH01@12'	Total/NA	Solid	8015M/D	25372
885-24044-3	PH02@4'	Total/NA	Solid	8015M/D	25372
885-24044-4	PH02@10'	Total/NA	Solid	8015M/D	25372
885-24044-5	PH03@4'	Total/NA	Solid	8015M/D	25372
885-24044-6	PH03@10'	Total/NA	Solid	8015M/D	25372
885-24044-7	PH04@8'	Total/NA	Solid	8015M/D	25372
885-24044-8	PH04@10'	Total/NA	Solid	8015M/D	25372
885-24044-9	PH05@8'	Total/NA	Solid	8015M/D	25372
885-24044-10	PH05@10'	Total/NA	Solid	8015M/D	25372
MB 885-25372/1-A	Method Blank	Total/NA	Solid	8015M/D	25372
LCS 885-25372/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	25372

Analysis Batch: 25398

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-24044-2	PH01@12'	Total/NA	Solid	8021B	25372
885-24044-3	PH02@4'	Total/NA	Solid	8021B	25372
885-24044-4	PH02@10'	Total/NA	Solid	8021B	25372
885-24044-5	PH03@4'	Total/NA	Solid	8021B	25372
885-24044-6	PH03@10'	Total/NA	Solid	8021B	25372
885-24044-7	PH04@8'	Total/NA	Solid	8021B	25372
885-24044-8	PH04@10'	Total/NA	Solid	8021B	25372
885-24044-9	PH05@8'	Total/NA	Solid	8021B	25372
885-24044-10	PH05@10'	Total/NA	Solid	8021B	25372
MB 885-25372/1-A	Method Blank	Total/NA	Solid	8021B	25372
LCS 885-25372/3-A	Lab Control Sample	Total/NA	Solid	8021B	25372
885-24044-2 MS	PH01@12'	Total/NA	Solid	8021B	25372
885-24044-2 MSD	PH01@12'	Total/NA	Solid	8021B	25372

Analysis Batch: 25476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-24044-1	PH01@11'	Total/NA	Solid	8015M/D	25372

QC Association Summary

Client: Hilcorp Energy
Project/Site: Chavez Gas Com C 1R

Job ID: 885-24044-1

GC VOA (Continued)

Analysis Batch: 25476 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-24044-1 MS	PH01@11'	Total/NA	Solid	8015M/D	25372
885-24044-1 MSD	PH01@11'	Total/NA	Solid	8015M/D	25372

Analysis Batch: 25477

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-24044-1	PH01@11'	Total/NA	Solid	8021B	25372

GC Semi VOA

Analysis Batch: 25385

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-24044-1	PH01@11'	Total/NA	Solid	8015M/D	25426
885-24044-2	PH01@12'	Total/NA	Solid	8015M/D	25426
885-24044-3	PH02@4'	Total/NA	Solid	8015M/D	25426
885-24044-4	PH02@10'	Total/NA	Solid	8015M/D	25426
885-24044-5	PH03@4'	Total/NA	Solid	8015M/D	25426
885-24044-6	PH03@10'	Total/NA	Solid	8015M/D	25426
885-24044-7	PH04@8'	Total/NA	Solid	8015M/D	25426
885-24044-8	PH04@10'	Total/NA	Solid	8015M/D	25426
885-24044-9	PH05@8'	Total/NA	Solid	8015M/D	25426
885-24044-10	PH05@10'	Total/NA	Solid	8015M/D	25426
MB 885-25426/1-A	Method Blank	Total/NA	Solid	8015M/D	25426
LCS 885-25426/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	25426
885-24044-1 MS	PH01@11'	Total/NA	Solid	8015M/D	25426
885-24044-1 MSD	PH01@11'	Total/NA	Solid	8015M/D	25426

Prep Batch: 25426

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-24044-1	PH01@11'	Total/NA	Solid	SHAKE	
885-24044-2	PH01@12'	Total/NA	Solid	SHAKE	
885-24044-3	PH02@4'	Total/NA	Solid	SHAKE	
885-24044-4	PH02@10'	Total/NA	Solid	SHAKE	
885-24044-5	PH03@4'	Total/NA	Solid	SHAKE	
885-24044-6	PH03@10'	Total/NA	Solid	SHAKE	
885-24044-7	PH04@8'	Total/NA	Solid	SHAKE	
885-24044-8	PH04@10'	Total/NA	Solid	SHAKE	
885-24044-9	PH05@8'	Total/NA	Solid	SHAKE	
885-24044-10	PH05@10'	Total/NA	Solid	SHAKE	
MB 885-25426/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-25426/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-24044-1 MS	PH01@11'	Total/NA	Solid	SHAKE	
885-24044-1 MSD	PH01@11'	Total/NA	Solid	SHAKE	

HPLC/IC

Prep Batch: 25414

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-24044-1	PH01@11'	Total/NA	Solid	300_Prep	
885-24044-2	PH01@12'	Total/NA	Solid	300_Prep	
885-24044-3	PH02@4'	Total/NA	Solid	300_Prep	
885-24044-4	PH02@10'	Total/NA	Solid	300_Prep	
885-24044-5	PH03@4'	Total/NA	Solid	300_Prep	

QC Association Summary

Client: Hilcorp Energy
Project/Site: Chavez Gas Com C 1R

Job ID: 885-24044-1

HPLC/IC (Continued)

Prep Batch: 25414 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-24044-6	PH03@10'	Total/NA	Solid	300_Prep	
885-24044-7	PH04@8'	Total/NA	Solid	300_Prep	
885-24044-8	PH04@10'	Total/NA	Solid	300_Prep	
885-24044-9	PH05@8'	Total/NA	Solid	300_Prep	
885-24044-10	PH05@10'	Total/NA	Solid	300_Prep	
MB 885-25414/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-25414/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
885-24044-1 MS	PH01@11'	Total/NA	Solid	300_Prep	
885-24044-1 MSD	PH01@11'	Total/NA	Solid	300_Prep	

Analysis Batch: 25422

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-24044-1	PH01@11'	Total/NA	Solid	300.0	25414
885-24044-2	PH01@12'	Total/NA	Solid	300.0	25414
885-24044-3	PH02@4'	Total/NA	Solid	300.0	25414
885-24044-4	PH02@10'	Total/NA	Solid	300.0	25414
885-24044-5	PH03@4'	Total/NA	Solid	300.0	25414
885-24044-6	PH03@10'	Total/NA	Solid	300.0	25414
885-24044-7	PH04@8'	Total/NA	Solid	300.0	25414
885-24044-8	PH04@10'	Total/NA	Solid	300.0	25414
885-24044-9	PH05@8'	Total/NA	Solid	300.0	25414
885-24044-10	PH05@10'	Total/NA	Solid	300.0	25414
MB 885-25414/1-A	Method Blank	Total/NA	Solid	300.0	25414
LCS 885-25414/2-A	Lab Control Sample	Total/NA	Solid	300.0	25414
885-24044-1 MS	PH01@11'	Total/NA	Solid	300.0	25414
885-24044-1 MSD	PH01@11'	Total/NA	Solid	300.0	25414

Lab Chronicle

Client: Hilcorp Energy
Project/Site: Chavez Gas Com C 1R

Job ID: 885-24044-1

Client Sample ID: PH01@11'
Date Collected: 04/30/25 09:25
Date Received: 05/01/25 07:10

Lab Sample ID: 885-24044-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			25372	JP	EET ALB	05/01/25 17:03
Total/NA	Analysis	8015M/D		1	25476	AT	EET ALB	05/05/25 11:04
Total/NA	Prep	5030C			25372	JP	EET ALB	05/01/25 17:03
Total/NA	Analysis	8021B		1	25477	AT	EET ALB	05/05/25 11:04
Total/NA	Prep	SHAKE			25426	MI	EET ALB	05/02/25 12:59
Total/NA	Analysis	8015M/D		1	25385	MI	EET ALB	05/02/25 16:03
Total/NA	Prep	300_Prep			25414	RC	EET ALB	05/02/25 11:06
Total/NA	Analysis	300.0		20	25422	JT	EET ALB	05/02/25 13:15

Client Sample ID: PH01@12'
Date Collected: 04/30/25 09:31
Date Received: 05/01/25 07:10

Lab Sample ID: 885-24044-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			25372	JP	EET ALB	05/01/25 17:03
Total/NA	Analysis	8015M/D		1	25397	AT	EET ALB	05/02/25 13:30
Total/NA	Prep	5030C			25372	JP	EET ALB	05/01/25 17:03
Total/NA	Analysis	8021B		1	25398	AT	EET ALB	05/02/25 13:30
Total/NA	Prep	SHAKE			25426	MI	EET ALB	05/02/25 12:59
Total/NA	Analysis	8015M/D		1	25385	MI	EET ALB	05/02/25 16:35
Total/NA	Prep	300_Prep			25414	RC	EET ALB	05/02/25 11:06
Total/NA	Analysis	300.0		20	25422	JT	EET ALB	05/02/25 13:46

Client Sample ID: PH02@4'
Date Collected: 04/30/25 09:44
Date Received: 05/01/25 07:10

Lab Sample ID: 885-24044-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			25372	JP	EET ALB	05/01/25 17:03
Total/NA	Analysis	8015M/D		1	25397	AT	EET ALB	05/02/25 14:35
Total/NA	Prep	5030C			25372	JP	EET ALB	05/01/25 17:03
Total/NA	Analysis	8021B		1	25398	AT	EET ALB	05/02/25 14:35
Total/NA	Prep	SHAKE			25426	MI	EET ALB	05/02/25 12:59
Total/NA	Analysis	8015M/D		1	25385	MI	EET ALB	05/02/25 16:46
Total/NA	Prep	300_Prep			25414	RC	EET ALB	05/02/25 11:06
Total/NA	Analysis	300.0		20	25422	JT	EET ALB	05/02/25 13:57

Client Sample ID: PH02@10'
Date Collected: 04/30/25 09:57
Date Received: 05/01/25 07:10

Lab Sample ID: 885-24044-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			25372	JP	EET ALB	05/01/25 17:03
Total/NA	Analysis	8015M/D		1	25397	AT	EET ALB	05/02/25 14:56

Lab Chronicle

Client: Hilcorp Energy
Project/Site: Chavez Gas Com C 1R

Job ID: 885-24044-1

Client Sample ID: PH02@10'
Lab Sample ID: 885-24044-4
Date Collected: 04/30/25 09:57
Matrix: Solid
Date Received: 05/01/25 07:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			25372	JP	EET ALB	05/01/25 17:03
Total/NA	Analysis	8021B		1	25398	AT	EET ALB	05/02/25 14:56
Total/NA	Prep	SHAKE			25426	MI	EET ALB	05/02/25 12:59
Total/NA	Analysis	8015M/D		1	25385	MI	EET ALB	05/02/25 16:56
Total/NA	Prep	300_Prep			25414	RC	EET ALB	05/02/25 11:06
Total/NA	Analysis	300.0		20	25422	JT	EET ALB	05/02/25 14:07

Client Sample ID: PH03@4'
Lab Sample ID: 885-24044-5
Date Collected: 04/30/25 10:06
Matrix: Solid
Date Received: 05/01/25 07:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			25372	JP	EET ALB	05/01/25 17:03
Total/NA	Analysis	8015M/D		1	25397	AT	EET ALB	05/02/25 15:18
Total/NA	Prep	5030C			25372	JP	EET ALB	05/01/25 17:03
Total/NA	Analysis	8021B		1	25398	AT	EET ALB	05/02/25 15:18
Total/NA	Prep	SHAKE			25426	MI	EET ALB	05/02/25 12:59
Total/NA	Analysis	8015M/D		1	25385	MI	EET ALB	05/02/25 17:07
Total/NA	Prep	300_Prep			25414	RC	EET ALB	05/02/25 11:06
Total/NA	Analysis	300.0		20	25422	JT	EET ALB	05/02/25 14:17

Client Sample ID: PH03@10'
Lab Sample ID: 885-24044-6
Date Collected: 04/30/25 10:15
Matrix: Solid
Date Received: 05/01/25 07:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			25372	JP	EET ALB	05/01/25 17:03
Total/NA	Analysis	8015M/D		1	25397	AT	EET ALB	05/02/25 15:40
Total/NA	Prep	5030C			25372	JP	EET ALB	05/01/25 17:03
Total/NA	Analysis	8021B		1	25398	AT	EET ALB	05/02/25 15:40
Total/NA	Prep	SHAKE			25426	MI	EET ALB	05/02/25 12:59
Total/NA	Analysis	8015M/D		1	25385	MI	EET ALB	05/02/25 17:18
Total/NA	Prep	300_Prep			25414	RC	EET ALB	05/02/25 11:06
Total/NA	Analysis	300.0		20	25422	JT	EET ALB	05/02/25 14:28

Client Sample ID: PH04@8'
Lab Sample ID: 885-24044-7
Date Collected: 04/30/25 10:45
Matrix: Solid
Date Received: 05/01/25 07:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			25372	JP	EET ALB	05/01/25 17:03
Total/NA	Analysis	8015M/D		1	25397	AT	EET ALB	05/02/25 16:01
Total/NA	Prep	5030C			25372	JP	EET ALB	05/01/25 17:03
Total/NA	Analysis	8021B		1	25398	AT	EET ALB	05/02/25 16:01

Lab Chronicle

Client: Hilcorp Energy
Job ID: 885-24044-1
Project/Site: Chavez Gas Com C 1R

Client Sample ID: PH04@8'
Lab Sample ID: 885-24044-7
Date Collected: 04/30/25 10:45
Matrix: Solid
Date Received: 05/01/25 07:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			25426	MI	EET ALB	05/02/25 12:59
Total/NA	Analysis	8015M/D		1	25385	MI	EET ALB	05/02/25 17:28
Total/NA	Prep	300_Prep			25414	RC	EET ALB	05/02/25 11:06
Total/NA	Analysis	300.0		20	25422	JT	EET ALB	05/02/25 14:59

Client Sample ID: PH04@10'
Lab Sample ID: 885-24044-8
Date Collected: 04/30/25 10:52
Matrix: Solid
Date Received: 05/01/25 07:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			25372	JP	EET ALB	05/01/25 17:03
Total/NA	Analysis	8015M/D		1	25397	AT	EET ALB	05/02/25 16:23
Total/NA	Prep	5030C			25372	JP	EET ALB	05/01/25 17:03
Total/NA	Analysis	8021B		1	25398	AT	EET ALB	05/02/25 16:23
Total/NA	Prep	SHAKE			25426	MI	EET ALB	05/02/25 12:59
Total/NA	Analysis	8015M/D		1	25385	MI	EET ALB	05/02/25 17:39
Total/NA	Prep	300_Prep			25414	RC	EET ALB	05/02/25 11:06
Total/NA	Analysis	300.0		20	25422	JT	EET ALB	05/02/25 15:09

Client Sample ID: PH05@8'
Lab Sample ID: 885-24044-9
Date Collected: 04/30/25 11:13
Matrix: Solid
Date Received: 05/01/25 07:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			25372	JP	EET ALB	05/01/25 17:03
Total/NA	Analysis	8015M/D		1	25397	AT	EET ALB	05/02/25 16:45
Total/NA	Prep	5030C			25372	JP	EET ALB	05/01/25 17:03
Total/NA	Analysis	8021B		1	25398	AT	EET ALB	05/02/25 16:45
Total/NA	Prep	SHAKE			25426	MI	EET ALB	05/02/25 12:59
Total/NA	Analysis	8015M/D		1	25385	MI	EET ALB	05/02/25 18:01
Total/NA	Prep	300_Prep			25414	RC	EET ALB	05/02/25 11:06
Total/NA	Analysis	300.0		20	25422	JT	EET ALB	05/02/25 15:19

Client Sample ID: PH05@10'
Lab Sample ID: 885-24044-10
Date Collected: 04/30/25 11:16
Matrix: Solid
Date Received: 05/01/25 07:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			25372	JP	EET ALB	05/01/25 17:03
Total/NA	Analysis	8015M/D		1	25397	AT	EET ALB	05/02/25 17:06
Total/NA	Prep	5030C			25372	JP	EET ALB	05/01/25 17:03
Total/NA	Analysis	8021B		1	25398	AT	EET ALB	05/02/25 17:06
Total/NA	Prep	SHAKE			25426	MI	EET ALB	05/02/25 12:59
Total/NA	Analysis	8015M/D		1	25385	MI	EET ALB	05/02/25 18:11

Lab Chronicle

Client: Hilcorp Energy
Project/Site: Chavez Gas Com C 1R

Job ID: 885-24044-1

Client Sample ID: PH05@10'

Date Collected: 04/30/25 11:16
Date Received: 05/01/25 07:10

Lab Sample ID: 885-24044-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			25414	RC	EET ALB	05/02/25 11:06
Total/NA	Analysis	300.0		20	25422	JT	EET ALB	05/02/25 15:30

Laboratory References:

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

Accreditation/Certification Summary

Client: Hilcorp Energy
Job ID: 885-24044-1
Project/Site: Chavez Gas Com C 1R

Laboratory: Eurofins Albuquerque

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

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

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

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

Oregon	NELAP	NM100001	02-26-26

Chain-of-Custody Record

Client: Hilcorp

Mailing Address:

Mitch Killough

Phone #:

email or Fax#: mkillough @ hilcorp com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other
☐ EDD (Type)

Turn-Around Time: 5 day
☒ Standard ☐ Rush

Project Name: Chavez Gas Com C 1R

Project #: Stuart Hyde shyde@ensolum.com

Project Manager: ↓

Sampler: Tracey D + Osgood F
On Ice: ~~☐ Yes~~ ☐ No
# of Coolers: 1 MO. °C
Cooler Temp(including CF): 5.3+0.2=5.5 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

885-24044 COC

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	(BTEX) ~~MTBE / TMB's~~ (8021)	TPH:8015D (GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	(Cl), ~~F, Br, NO3, NO2, PO4, SO4~~	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)					
4/30/25	0925	soil	PH01@11'	one 4 oz	on ice		X	X					X								
	0931		PH01@12'																		
	0944		PH02@4'																		
	0957		PH02@10'																		
	1006		PH03@4'																		
	1015		PH03@10'																		
	1045		PH04@8'																		
	1052		PH04@10'																		
	1113		PH05@8'																		
	1116		PH05@10'																		

Date	Time	Relinquished by	Received by	Via	Date	Time
4/30/25	1246	[signature]	[signature]		4/30/25	1246
4/30/25	1805	[signature]	[signature]	courier	5/1/25	7:10

Remarks: cc: ofroelich@ensolum.com
tdembrowski@ensolum.com
For NMOCD

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

Login Sample Receipt Checklist

Client: Hilcorp Energy Job Number: 885-24044-1

Login Number: 24044 **List Source: Eurofins Albuquerque**
List Number: 1
Creator: Dominguez, Desiree

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

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 471034
	Action Type: [C-144] Below Grade Tank Plan (C-144B)

CONDITIONS

Created By	Condition	Condition Date
joel.stone	Closure report approved. A release was determined during tank removal. Soil analytical results indicated that benzene, total BTEX (BTEX), and total petroleum hydrocarbons (TPH) exceeded the BGT closure criteria thresholds outlined in the OCD-approved closure plan. All future work, including remediation, on this project will be carried out in accordance with 19.15.29 NMAC. Form C-141 was submitted to the NMOCD on 5/20/2025. The Incident ID is nAPP2514041145. The closure report demonstrated that all closure plan protocols were followed. Upon the cessation of all production operations in the area associated with this below-grade tank, well, the operator shall complete the requirements of 19.15.17.13 NMAC for the area associated with this below-grade tank and notify the OCD when restoration, reclamation, and re-vegetation are complete. Closure Completion Date: 05/20/2025	6/6/2025