

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

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

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

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

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

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

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

1.

Operator: Hilcorp Energy Company OGRID #: 372171  
 Address: 382 Road 3100 Aztec, NM 87410  
 Facility or well name: SAN JUAN 29-7 UNIT 73A / SAN JUAN 29-7 UNIT 73C  
 API Number: 3003925429 / 3003930582 OCD Permit Number: \_\_\_\_\_  
 U/L or Qtr/Qtr C Section 24 Township 29N Range 7W County: Rio Arriba  
 Center of Proposed Design: Latitude 36.716521 Longitude -107.525557 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 45 mil  HDPE  PVC  Other LLDPE

4.

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

5.

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

6.

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

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

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

7.

**Signs:** Subsection C of 19.15.17.11 NMAC

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

Signed in compliance with 19.15.16.8 NMAC

8.

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

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

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

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

9.

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

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

### General siting

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

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

Yes  No  
 NA

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

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

Yes  No  
 NA

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

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

Yes  No

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

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

Yes  No

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

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

Yes  No

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

- FEMA map

Yes  No

### Below Grade Tanks

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

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

Yes  No

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

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

Yes  No

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

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

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

Yes  No

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

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

Yes  No

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

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

Yes  No

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

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

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

10.

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

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

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

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

11.

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

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

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

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

12.

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

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

13.

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

14.

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

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

15.

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

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

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

- Yes  No
- NA

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

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

- Yes  No
- NA

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

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

- Yes  No
- NA

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

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

- Yes  No

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

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

- Yes  No

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

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

- Yes  No

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

- Yes  No

Within 300 feet of a wetland.

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

- Yes  No

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

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

16.

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

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

17.

**Operator Application Certification:**

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

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

18.

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

OCDA Representative Signature: Joel Stone Approval Date: 12/23/2025

Title: Senior Environmental Scientist

OCDA Permit Number: ycon1604820550

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: 12/15/2025

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: 12/16/2025

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

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

**Lease Name: SAN JUAN 29-7 UNIT 73A / SAN JUAN 29-7 UNIT 73C**

**API No.: 30-039-25429 / 30-039-30582** NOTE: The subject well is twinned and shares a BGT

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

General Plan:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**Notification is attached.**

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

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

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

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

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

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

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

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

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

**Tammy Jones**

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**From:** Tammy Jones  
**Sent:** Wednesday, October 29, 2025 7:41 AM  
**To:** Ben Mitchell; Brandon Sinclair; Bryan Hall; Chad Perkins; Clara Cardoza; Dale Crawford; Farmington Regulatory Techs; Jeffrey.Harrison@emnrd.nm.gov; Joel.Stone@emnrd.nm.gov; Joey Becker; Joseph.Kennedy@emnrd.nm.gov; Kate Kaufman; Lisa Jones; Max Lopez; Mitch Killough; Patrick Hudman; Ramon Hancock; Travis Munkres; Victoria.Venegas@emnrd.nm.gov; Hall, Brittany, EMNRD; Jamie Huffman; Mark McKnight; Dylan Rybacki; Trey Sullivan; Riley Roberts; Virgil Chavez  
**Subject:** 72 hour BGT Closure Notice – SAN JUAN 29-7 UNIT 73A (30-039-25429) / SAN JUAN 29-7 UNIT 73C (30-039-30582)  
**Attachments:** 30039305820000\_SJ 29-7 UNIT 73A\_73C\_BGT Permit Modification.pdf; 30039254290000\_SJ 29-7 UNIT 73A\_BGT Permit.pdf; 30039305820000\_SJ 29-7 UNIT 73C\_BGT Permit.pdf

**Subject: 72 Hour BGT Closure Notification**

**Anticipated Start Date:** **Tuesday, 11/04/2025 at 10:00 AM MST**

The subject wells have a shared below-grade tank that will be permanently removed. The BGT permits are attached. Please contact me if you have any questions or concerns.

**Well Name:** SAN JUAN 29-7 UNIT 73A / SAN JUAN 29-7 UNIT 73C

**API#:** 30-039-25429 / 30-039-30582

**Location:** Unit C (NENW), Section 24, T29N, R7W

**Footages:** 790' FNL & 1660' FWL / 775' FNL & 1580' FWL

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

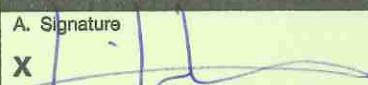
**Reason:** Replacing with AGT.

**\*\*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](mailto:tajones@hilcorp.com)

<b>SENDER: COMPLETE THIS SECTION</b>		<b>COMPLETE THIS SECTION ON DELIVERY</b>	
<ul style="list-style-type: none"> <li>■ Complete items 1, 2, and 3.</li> <li>■ Print your name and address on the reverse so that we can return the card to you.</li> <li>■ Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>		<p>A. Signature </p> <p><input checked="" type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) Levi Whitley</p> <p>C. Date of Delivery 11-12-25</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input checked="" type="checkbox"/> No</p>	
<p>1. Article Addressed to:  <i>Gobernador Canyon Ranch 9355 US Hwy 64 Blanco, NM 87412</i></p> <p>9590 9402 7573 2098 4360 11</p> <p>2. Article Number (Transfer from service label)  <i>7022 2410 0003 1570 7289</i></p>		<p>3. Service Type</p> <p><input type="checkbox"/> Adult Signature <input type="checkbox"/> Priority Mail Express®  <input type="checkbox"/> Adult Signature Restricted Delivery <input type="checkbox"/> Registered Mail™  <input type="checkbox"/> Certified Mail® <input type="checkbox"/> Registered Mail Restricted Delivery  <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Signature Confirmation™  <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Signature Confirmation  <input type="checkbox"/> Collect on Delivery Restricted Delivery  <small>mail</small>  <small>mail Restricted Delivery</small></p>	
<p>PS Form 3811, July 2020 PSN 7530-02-000-9158  <i>BET-ST29773A \$73 C B.M. 10/12/25</i></p>			

DIRECTION  
21 deg(T)

36.71650°N  
107.52563°W

ACCURACY 5 m  
DATUM WGS84



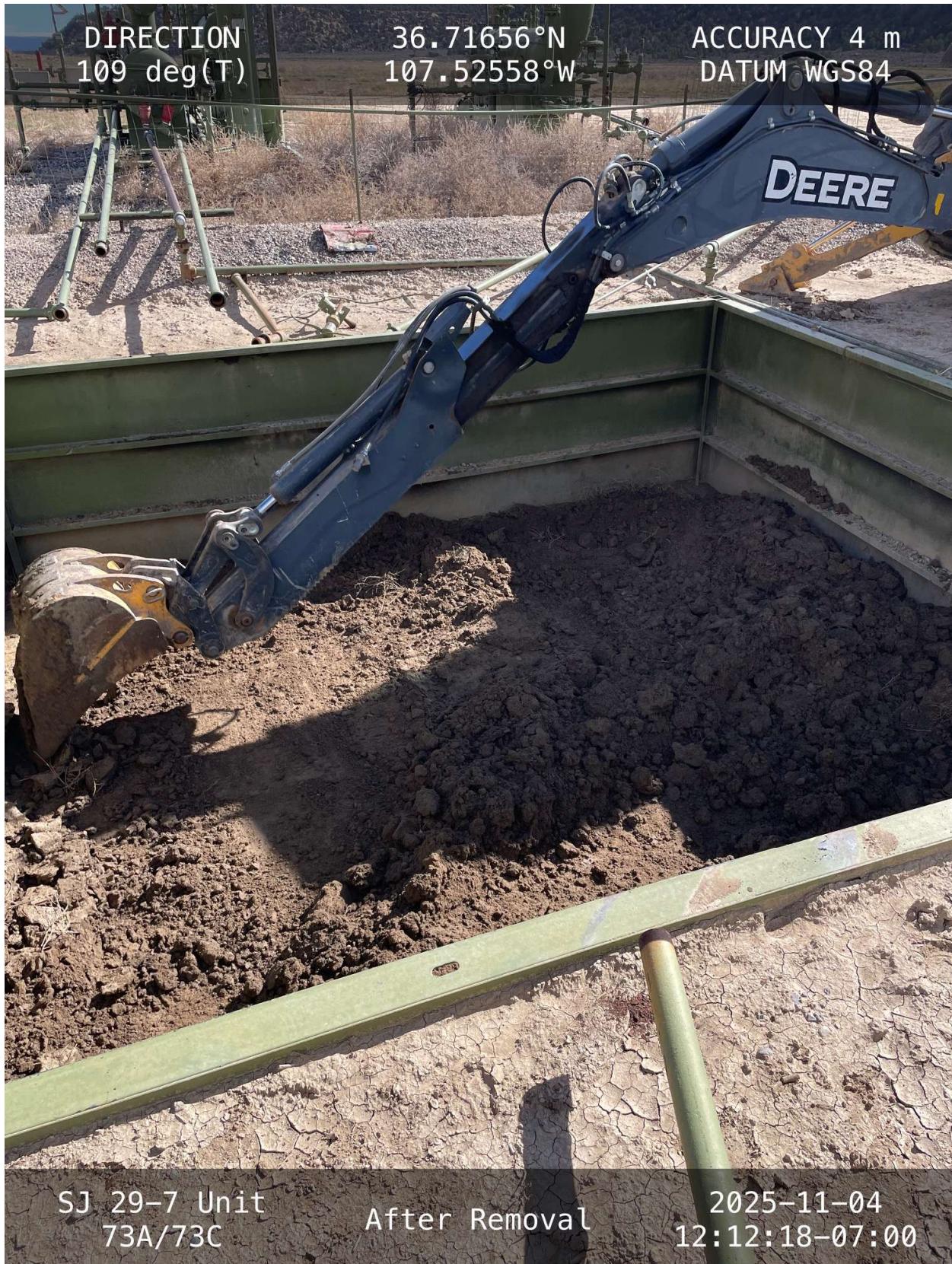
SJ 29-7 Unit 73A

## Placard

2025-11-04  
10:07:54-07:00











## Memorandum

**To:** New Mexico Oil Conservation Division (NMOCD)  
**From:** Kate Kaufman, Hilcorp Energy Company (Hilcorp)  
**Date:** 12/15/2025  
**Subject:** San Juan 29-7 # 563S, #73A and #73C – Permanent Closure of a Below-Grade Tank (BGT)

A release of 12 bbls of oil occurred at the San Juan #563S wellsite on 9/15/2025. The released oil was contained within the secondary containment berms. In the course of investigating the release, it was determined that two below ground tanks (BGTs) located at the wellsite were improperly permitted. The well location is within a 100-year flood plain, requiring a variance from NMAC 19.15.17.10. Hilcorp elected to permanently close the BGTs.

On 10/29/2025, Hilcorp submitted 72-hour notices for the permanent closure of BGTs associated with the San Juan 29-7 #563S, the San Juan 29-7 #73A and #73C in Rio Arriba County, New Mexico. On 11/4/2025 Hilcorp personnel collected 5-pt composite soil samples to determine if any contaminant concentrations exceeded the BGT closure criteria thresholds. Upon receiving analytical results on 11/11/2025, Hilcorp determined that all constituents were below the BGT closure criteria thresholds for both the SJ 29-7 #73A/73C and the San Juan 29-7 #563S BGTs (refer to table below).

**SOIL ANALYTICAL RESULTS**  
**San Juan 29-7 #563S, #73A and #73C**  
**HILCORP ENERGY COMPANY**

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)	TPH (mg/kg)
San Juan 29-7 #563S Bottom Comp	11/5/2025	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
San Juan 29-7 #73C/#73C Bottom Comp	11/5/2025	ND	ND	ND	ND	ND	ND	ND	21	75	96
<b>NMOCD BGT Closure Criteria</b>	<b>0.2</b>	-	-	-	<b>50</b>	<b>250</b>	-	-	-	-	<b>100</b>
<b>Table I of 19.15.29.12 NMAC</b>	<b>10</b>	-	-	-	<b>50</b>	<b>600</b>	-	-	-	-	<b>100</b>

In addition to collecting soil samples for the BGT closure, on 10/3/2025 Hilcorp delineated the extent of the original release and proposes to proceed with excavation remediation. The excavation remediation will encompass most of the area within the berms, including the BGT pits. The attached figure shows the delineation and proposed area for excavation. Once that remediation effort is complete and closure approved per NMAC 19.15.29.12 (E), Hilcorp will backfill the excavation in entirety.

Hilcorp submitted a C-141 to notify the NMOCD of the initial oil release on 9/18/2025 (Incident ID nAPP2526148806).

All future work on this project will be carried out in accordance with NMAC 19.15.29. Hilcorp is requesting approval to close the BGT permits at this time.

Enclosures: BGT Closure Samples - Final Analytical Reports  
SJ 29-7 #563S Release - Initial C-141  
Release Delineation Figure

---

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



Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

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

Generated 11/11/2025 3:42:57 PM

## JOB DESCRIPTION

SJ 29-7 Unit 563S

## JOB NUMBER

885-36891-1

Eurofins Albuquerque  
4901 Hawkins NE  
Albuquerque NM 87109



# 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  
11/11/2025 3:42:57 PM

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

Client: Hilcorp Energy  
Project/Site: SJ 29-7 Unit 563S

Laboratory Job ID: 885-36891-1

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## 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

Client: Hilcorp Energy  
Project: SJ 29-7 Unit 563S

**Job ID: 885-36891-1****Eurofins Albuquerque****Job Narrative  
885-36891-1**

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

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

**Receipt**

The sample was received on 11/5/2025 7:40 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 4.2°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: The matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) precision for preparation batch 885-37992 and analytical batch 885-37977 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits.

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: Hilcorp Energy  
 Project/Site: SJ 29-7 Unit 563S

Job ID: 885-36891-1

**Client Sample ID: Bottom Comp 6'**

**Lab Sample ID: 885-36891-1**

**Matrix: Solid**

Date Collected: 11/04/25 12:00  
 Date Received: 11/05/25 07:40

**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		11/05/25 17:07	11/08/25 11:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		15 - 150			11/05/25 17:07	11/08/25 11:44	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		11/05/25 17:07	11/08/25 11:44	1
Ethylbenzene	ND		0.046	mg/Kg		11/05/25 17:07	11/08/25 11:44	1
Toluene	ND		0.046	mg/Kg		11/05/25 17:07	11/08/25 11:44	1
Xylenes, Total	ND		0.093	mg/Kg		11/05/25 17:07	11/08/25 11:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		15 - 150			11/05/25 17:07	11/08/25 11:44	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4	mg/Kg		11/06/25 10:47	11/06/25 14:01	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		11/06/25 10:47	11/06/25 14:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	95		62 - 134			11/06/25 10:47	11/06/25 14:01	1

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		49	mg/Kg		11/07/25 06:45	11/07/25 08:08	10

Client: Hilcorp Energy  
 Project/Site: SJ 29-7 Unit 563S

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

**Lab Sample ID: MB 885-37966/1-A**

**Matrix: Solid**

**Analysis Batch: 38130**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 37966**

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Gasoline Range Organics [C6 - C10]	ND		5.0	mg/Kg		11/05/25 17:07	11/08/25 09:11	1
Surrogate	MB	MB	Limits	Unit	D	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier						
4-Bromofluorobenzene (Surr)	98		15 - 150			11/05/25 17:07	11/08/25 09:11	1

**Lab Sample ID: LCS 885-37966/2-A**

**Matrix: Solid**

**Analysis Batch: 38130**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 37966**

Analyte	MB	MB	Spike	LCS	LCS	Unit	D	%Rec	Limits
	Result	Qualifier							
Gasoline Range Organics [C6 - C10]			25.0	22.5	22.5	mg/Kg		90	70 - 130
Surrogate	MB	MB	Limits	Unit	D	%Rec	Limits	Dil Fac	
	%Recovery	Qualifier							
4-Bromofluorobenzene (Surr)	193		15 - 150						

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

**Lab Sample ID: MB 885-37966/1-A**

**Matrix: Solid**

**Analysis Batch: 38129**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 37966**

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Benzene	ND		0.025	mg/Kg		11/05/25 17:07	11/08/25 09:11	1
Ethylbenzene	ND		0.050	mg/Kg		11/05/25 17:07	11/08/25 09:11	1
Toluene	ND		0.050	mg/Kg		11/05/25 17:07	11/08/25 09:11	1
Xylenes, Total	ND		0.10	mg/Kg		11/05/25 17:07	11/08/25 09:11	1
Surrogate	MB	MB	Limits	Unit	D	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier						
4-Bromofluorobenzene (Surr)	95		15 - 150			11/05/25 17:07	11/08/25 09:11	1

**Lab Sample ID: LCS 885-37966/3-A**

**Matrix: Solid**

**Analysis Batch: 38129**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 37966**

Analyte	MB	MB	Spike	LCS	LCS	Unit	D	%Rec	Limits
	Result	Qualifier							
Benzene			1.00	0.906	0.906	mg/Kg		91	70 - 130
Ethylbenzene			1.00	0.904	0.904	mg/Kg		90	70 - 130
m&p-Xylene			2.00	1.80	1.80	mg/Kg		90	70 - 130
o-Xylene			1.00	0.899	0.899	mg/Kg		90	70 - 130
Toluene			1.00	0.895	0.895	mg/Kg		89	70 - 130
Xylenes, Total			3.00	2.70	2.70	mg/Kg		90	70 - 130
Surrogate	MB	MB	Limits	Unit	D	%Rec	Limits	Dil Fac	
	%Recovery	Qualifier							
4-Bromofluorobenzene (Surr)	96		15 - 150						

Client: Hilcorp Energy  
Project/Site: SJ 29-7 Unit 563S

Job ID: 885-36891-1

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

**Lab Sample ID: MB 885-37992/1-A**

**Matrix: Solid**

**Analysis Batch: 37977**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 37992**

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		11/06/25 10:47	11/06/25 13:13	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		11/06/25 10:47	11/06/25 13:13	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Di-n-octyl phthalate (Surrogate)	91		62 - 134	11/06/25 10:47	11/06/25 13:13	1

**Lab Sample ID: LCS 885-37992/2-A**

**Matrix: Solid**

**Analysis Batch: 37977**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 37992**

Analyte	MB	MB	Spike	LCS	LCS	Unit	D	%Rec
	Result	Qualifier						
Diesel Range Organics [C10-C28]			50.0	46.1		mg/Kg		
							92	51 - 148

Surrogate	MB	MB	Spike	LCS	LCS	Unit	D	%Rec
	%Recovery	Qualifier						
Di-n-octyl phthalate (Surrogate)	98			62 - 134				

**Method: 300.0 - Anions, Ion Chromatography**

**Lab Sample ID: MB 885-38035/1-A**

**Matrix: Solid**

**Analysis Batch: 38036**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 38035**

Analyte	MB	MB	Spike	LCS	LCS	Unit	D	%Rec
	Result	Qualifier						
Chloride	ND		5.0			mg/Kg		

**Lab Sample ID: LCS 885-38035/2-A**

**Matrix: Solid**

**Analysis Batch: 38036**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 38035**

Analyte	MB	MB	Spike	LCS	LCS	Unit	D	%Rec
	Result	Qualifier						
Chloride			50.0	49.4		mg/Kg		

**Lab Sample ID: 885-36891-1 MS**

**Matrix: Solid**

**Analysis Batch: 38036**

**Client Sample ID: Bottom Comp 6'**

**Prep Type: Total/NA**

**Prep Batch: 38035**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec
	Result	Qualifier						
Chloride	ND		50.7	54.3		mg/Kg		

**Lab Sample ID: 885-36891-1 MSD**

**Matrix: Solid**

**Analysis Batch: 38036**

**Client Sample ID: Bottom Comp 6'**

**Prep Type: Total/NA**

**Prep Batch: 38035**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec
	Result	Qualifier						
Chloride	ND		50.2	54.0		mg/Kg		

Eurofins Albuquerque

Released to Imaging: 12/23/2025 2:01:33 PM  
**QC Association Summary**

Client: Hilcorp Energy  
Project/Site: SJ 29-7 Unit 563S

Job ID: 885-36891-1

**GC VOA**

**Prep Batch: 37966**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-36891-1	Bottom Comp 6'	Total/NA	Solid	5030C	
MB 885-37966/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-37966/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-37966/3-A	Lab Control Sample	Total/NA	Solid	5030C	

**Analysis Batch: 38129**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-36891-1	Bottom Comp 6'	Total/NA	Solid	8021B	37966
MB 885-37966/1-A	Method Blank	Total/NA	Solid	8021B	37966
LCS 885-37966/3-A	Lab Control Sample	Total/NA	Solid	8021B	37966

**Analysis Batch: 38130**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-36891-1	Bottom Comp 6'	Total/NA	Solid	8015M/D	37966
MB 885-37966/1-A	Method Blank	Total/NA	Solid	8015M/D	37966
LCS 885-37966/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	37966

**GC Semi VOA**

**Analysis Batch: 37977**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-36891-1	Bottom Comp 6'	Total/NA	Solid	8015M/D	37992
MB 885-37992/1-A	Method Blank	Total/NA	Solid	8015M/D	37992
LCS 885-37992/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	37992

**Prep Batch: 37992**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-36891-1	Bottom Comp 6'	Total/NA	Solid	SHAKE	
MB 885-37992/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-37992/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

**HPLC/IC**

**Prep Batch: 38035**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-36891-1	Bottom Comp 6'	Total/NA	Solid	300_Prep	
MB 885-38035/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-38035/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
885-36891-1 MS	Bottom Comp 6'	Total/NA	Solid	300_Prep	
885-36891-1 MSD	Bottom Comp 6'	Total/NA	Solid	300_Prep	

**Analysis Batch: 38036**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-36891-1	Bottom Comp 6'	Total/NA	Solid	300.0	38035
MB 885-38035/1-A	Method Blank	Total/NA	Solid	300.0	38035
LCS 885-38035/2-A	Lab Control Sample	Total/NA	Solid	300.0	38035
885-36891-1 MS	Bottom Comp 6'	Total/NA	Solid	300.0	38035
885-36891-1 MSD	Bottom Comp 6'	Total/NA	Solid	300.0	38035

Client: Hilcorp Energy  
 Project/Site: SJ 29-7 Unit 563S

Job ID: 885-36891-1

**Client Sample ID: Bottom Comp 6'**

**Lab Sample ID: 885-36891-1**

**Matrix: Solid**

Date Collected: 11/04/25 12:00  
 Date Received: 11/05/25 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			37966	JP	EET ALB	11/05/25 17:07
Total/NA	Analysis	8015M/D		1	38130	AT	EET ALB	11/08/25 11:44
Total/NA	Prep	5030C			37966	JP	EET ALB	11/05/25 17:07
Total/NA	Analysis	8021B		1	38129	AT	EET ALB	11/08/25 11:44
Total/NA	Prep	SHAKE			37992	DR	EET ALB	11/06/25 10:47
Total/NA	Analysis	8015M/D		1	37977	EM	EET ALB	11/06/25 14:01
Total/NA	Prep	300_Prep			38035	MA	EET ALB	11/07/25 06:45
Total/NA	Analysis	300.0		10	38036	EH	EET ALB	11/07/25 08:08

**Laboratory References:**

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

Released to Imaging: 12/23/2025 2:01:33 PM  
Accreditation/Certification Summary

Client: Hilcorp Energy  
Project/Site: SJ 29-7 Unit 563S

Job ID: 885-36891-1

**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

Eurofins Albuquerque



## Login Sample Receipt Checklist

Client: Hilcorp Energy

Job Number: 885-36891-1

**Login Number: 36891****List Source: Eurofins Albuquerque****List Number: 1****Creator: Casarrubias, Tracy**

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



Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

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

Generated 11/11/2025 3:43:31 PM

## JOB DESCRIPTION

SJ 29-7 Unit 73A/73C

## JOB NUMBER

885-36893-1

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



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

Client: Hilcorp Energy  
Project/Site: SJ 29-7 Unit 73A/73C

Laboratory Job ID: 885-36893-1

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**Definitions/Glossary**

Client: Hilcorp Energy  
 Project/Site: SJ 29-7 Unit 73A/73C

Job ID: 885-36893-1

**Qualifiers****GC Semi VOA**

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits

**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

Eurofins Albuquerque

**Case Narrative**

Client: Hilcorp Energy  
 Project: SJ 29-7 Unit 73A/73C

Job ID: 885-36893-1

**Job ID: 885-36893-1****Eurofins Albuquerque****Job Narrative  
885-36893-1**

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

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

**Receipt**

The sample was received on 11/5/2025 7:40 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 4.2°C.

**Receipt Exceptions**

The Field Sampler was not listed on the Chain of Custody.

**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: The matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) precision for preparation batch 885-37992 and analytical batch 885-37977 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits.

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.

Eurofins Albuquerque

## Client Sample Results

Client: Hilcorp Energy  
Project/Site: SJ 29-7 Unit 73A/73C

Job ID: 885-36893-1

## Client Sample ID: Bottom Comp 6'

Lab Sample ID: 885-36893-1

Matrix: Solid

Date Collected: 11/04/25 12:20  
Date Received: 11/05/25 07:40

## 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		11/05/25 17:07	11/08/25 12:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		15 - 150			11/05/25 17:07	11/08/25 12:05	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		11/05/25 17:07	11/08/25 12:05	1
Ethylbenzene	ND		0.047	mg/Kg		11/05/25 17:07	11/08/25 12:05	1
Toluene	ND		0.047	mg/Kg		11/05/25 17:07	11/08/25 12:05	1
Xylenes, Total	ND		0.093	mg/Kg		11/05/25 17:07	11/08/25 12:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		15 - 150			11/05/25 17:07	11/08/25 12:05	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]	21	F2 F1	9.3	mg/Kg		11/06/25 10:47	11/06/25 14:13	1
Motor Oil Range Organics [C28-C40]	75		46	mg/Kg		11/06/25 10:47	11/06/25 14:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	94		62 - 134			11/06/25 10:47	11/06/25 14:13	1

## Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		50	mg/Kg		11/07/25 06:45	11/07/25 08:39	10

Eurofins Albuquerque

## QC Sample Results

Client: Hilcorp Energy  
Project/Site: SJ 29-7 Unit 73A/73C

Job ID: 885-36893-1

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

Lab Sample ID: MB 885-37966/1-A

Matrix: Solid

Analysis Batch: 38130

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 37966

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Gasoline Range Organics [C6 - C10]	ND		5.0	mg/Kg		11/05/25 17:07	11/08/25 09:11	1
Surrogate	MB	MB	Limits	Unit	D	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier						
4-Bromofluorobenzene (Surr)	98		15 - 150			11/05/25 17:07	11/08/25 09:11	1

Lab Sample ID: LCS 885-37966/2-A

Matrix: Solid

Analysis Batch: 38130

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 37966

Analyte	MB	MB	Spike	LCS	LCS	Unit	D	%Rec
	Result	Qualifier		Result	Qualifier	Unit		
Gasoline Range Organics [C6 - C10]			25.0	22.5		mg/Kg		
Surrogate	MB	MB	Limits	Unit	D	%Rec	Limits	Dil Fac
	%Recovery	Qualifier						
4-Bromofluorobenzene (Surr)	193		15 - 150					

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

Lab Sample ID: MB 885-37966/1-A

Matrix: Solid

Analysis Batch: 38129

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 37966

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Benzene	ND		0.025	mg/Kg		11/05/25 17:07	11/08/25 09:11	1
Ethylbenzene	ND		0.050	mg/Kg		11/05/25 17:07	11/08/25 09:11	1
Toluene	ND		0.050	mg/Kg		11/05/25 17:07	11/08/25 09:11	1
Xylenes, Total	ND		0.10	mg/Kg		11/05/25 17:07	11/08/25 09:11	1
Surrogate	MB	MB	Limits	Unit	D	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier						
4-Bromofluorobenzene (Surr)	95		15 - 150			11/05/25 17:07	11/08/25 09:11	1

Lab Sample ID: LCS 885-37966/3-A

Matrix: Solid

Analysis Batch: 38129

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 37966

Analyte	MB	MB	Spike	LCS	LCS	Unit	D	%Rec
	Result	Qualifier		Result	Qualifier	Unit		
Benzene			1.00	0.906		mg/Kg		
Ethylbenzene			1.00	0.904		mg/Kg	90	70 - 130
m&p-Xylene			2.00	1.80		mg/Kg	90	70 - 130
o-Xylene			1.00	0.899		mg/Kg	90	70 - 130
Toluene			1.00	0.895		mg/Kg	89	70 - 130
Xylenes, Total			3.00	2.70		mg/Kg	90	70 - 130
Surrogate	MB	MB	Limits	Unit	D	%Rec	Limits	Dil Fac
	%Recovery	Qualifier						
4-Bromofluorobenzene (Surr)	96		15 - 150					

Eurofins Albuquerque

## QC Sample Results

Client: Hilcorp Energy  
Project/Site: SJ 29-7 Unit 73A/73C

Job ID: 885-36893-1

**Method: 8015M/D - Diesel Range Organics (DRO) (GC)****Lab Sample ID: MB 885-37992/1-A****Matrix: Solid****Analysis Batch: 37977****Client Sample ID: Method Blank****Prep Type: Total/NA****Prep Batch: 37992**

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		11/06/25 10:47	11/06/25 13:13	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		11/06/25 10:47	11/06/25 13:13	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Di-n-octyl phthalate (Sur)	91		62 - 134	11/06/25 10:47	11/06/25 13:13	1

**Lab Sample ID: LCS 885-37992/2-A****Matrix: Solid****Analysis Batch: 37977****Client Sample ID: Lab Control Sample****Prep Type: Total/NA****Prep Batch: 37992**

Analyte	MB	MB	Limits	%Rec	Dil Fac
	Result	Qualifier			
Diesel Range Organics [C10-C28]	50.0		46.1	mg/Kg	92

Surrogate	LCS	LCS	Limits	%Rec	Dil Fac
	%Recovery	Qualifier			
Di-n-octyl phthalate (Sur)	98		62 - 134		

**Lab Sample ID: 885-36893-1 MS****Matrix: Solid****Analysis Batch: 37977****Client Sample ID: Bottom Comp 6'****Prep Type: Total/NA****Prep Batch: 37992**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier				
Diesel Range Organics [C10-C28]	21	F2 F1	48.9	29.0	F1	mg/Kg		17	44 - 136

Surrogate	MS	MS	Limits	%Rec	Dil Fac
	%Recovery	Qualifier			
Di-n-octyl phthalate (Sur)	105		62 - 134		

**Lab Sample ID: 885-36893-1 MSD****Matrix: Solid****Analysis Batch: 37977****Client Sample ID: Bottom Comp 6'****Prep Type: Total/NA****Prep Batch: 37992**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	Limits	RPD
	Result	Qualifier	Added	Result	Qualifier					
Diesel Range Organics [C10-C28]	21	F2 F1	46.4	51.6	F2	mg/Kg		66	44 - 136	56

Surrogate	MSD	MSD	Limits	%Rec	Dil Fac
	%Recovery	Qualifier			
Di-n-octyl phthalate (Sur)	109		62 - 134		

**Method: 300.0 - Anions, Ion Chromatography****Lab Sample ID: MB 885-38035/1-A****Matrix: Solid****Analysis Batch: 38036****Client Sample ID: Method Blank****Prep Type: Total/NA****Prep Batch: 38035**

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Chloride	ND		5.0	mg/Kg		11/07/25 06:45	11/07/25 07:47	1

Eurofins Albuquerque

## QC Sample Results

Client: Hilcorp Energy  
 Project/Site: SJ 29-7 Unit 73A/73C

Job ID: 885-36893-1

## Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 885-38035/2-A

Matrix: Solid

Analysis Batch: 38036

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 38035

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	49.4		mg/Kg	99	90 - 110	

## QC Association Summary

Client: Hilcorp Energy  
Project/Site: SJ 29-7 Unit 73A/73C

Job ID: 885-36893-1

## GC VOA

## Prep Batch: 37966

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-36893-1	Bottom Comp 6'	Total/NA	Solid	5030C	
MB 885-37966/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-37966/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-37966/3-A	Lab Control Sample	Total/NA	Solid	5030C	

## Analysis Batch: 38129

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-36893-1	Bottom Comp 6'	Total/NA	Solid	8021B	37966
MB 885-37966/1-A	Method Blank	Total/NA	Solid	8021B	37966
LCS 885-37966/3-A	Lab Control Sample	Total/NA	Solid	8021B	37966

## Analysis Batch: 38130

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-36893-1	Bottom Comp 6'	Total/NA	Solid	8015M/D	37966
MB 885-37966/1-A	Method Blank	Total/NA	Solid	8015M/D	37966
LCS 885-37966/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	37966

## GC Semi VOA

## Analysis Batch: 37977

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-36893-1	Bottom Comp 6'	Total/NA	Solid	8015M/D	37992
MB 885-37992/1-A	Method Blank	Total/NA	Solid	8015M/D	37992
LCS 885-37992/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	37992
885-36893-1 MS	Bottom Comp 6'	Total/NA	Solid	8015M/D	37992
885-36893-1 MSD	Bottom Comp 6'	Total/NA	Solid	8015M/D	37992

## Prep Batch: 37992

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-36893-1	Bottom Comp 6'	Total/NA	Solid	SHAKE	
MB 885-37992/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-37992/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-36893-1 MS	Bottom Comp 6'	Total/NA	Solid	SHAKE	
885-36893-1 MSD	Bottom Comp 6'	Total/NA	Solid	SHAKE	

## HPLC/IC

## Prep Batch: 38035

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-36893-1	Bottom Comp 6'	Total/NA	Solid	300_Prep	
MB 885-38035/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-38035/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

## Analysis Batch: 38036

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-36893-1	Bottom Comp 6'	Total/NA	Solid	300.0	38035
MB 885-38035/1-A	Method Blank	Total/NA	Solid	300.0	38035
LCS 885-38035/2-A	Lab Control Sample	Total/NA	Solid	300.0	38035

Eurofins Albuquerque

**Lab Chronicle**

Client: Hilcorp Energy  
 Project/Site: SJ 29-7 Unit 73A/73C

Job ID: 885-36893-1

**Client Sample ID: Bottom Comp 6'****Lab Sample ID: 885-36893-1**

Matrix: Solid

Date Collected: 11/04/25 12:20  
 Date Received: 11/05/25 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			37966	JP	EET ALB	11/05/25 17:07
Total/NA	Analysis	8015M/D		1	38130	AT	EET ALB	11/08/25 12:05
Total/NA	Prep	5030C			37966	JP	EET ALB	11/05/25 17:07
Total/NA	Analysis	8021B		1	38129	AT	EET ALB	11/08/25 12:05
Total/NA	Prep	SHAKE			37992	DR	EET ALB	11/06/25 10:47
Total/NA	Analysis	8015M/D		1	37977	EM	EET ALB	11/06/25 14:13
Total/NA	Prep	300_Prep			38035	MA	EET ALB	11/07/25 06:45
Total/NA	Analysis	300.0		10	38036	EH	EET ALB	11/07/25 08:39

**Laboratory References:**

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

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Eurofins Albuquerque

## Accreditation/Certification Summary

Client: Hilcorp Energy  
 Project/Site: SJ 29-7 Unit 73A/73C

Job ID: 885-36893-1

**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

Eurofins Albuquerque



## Login Sample Receipt Checklist

Client: Hilcorp Energy

Job Number: 885-36893-1

**Login Number: 36893****List Source: Eurofins Albuquerque****List Number: 1****Creator: Casarrubias, Tracy**

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

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

General Information  
Phone: (505) 629-6116

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

## State of New Mexico

# Energy, Minerals and Natural Resources

## Oil Conservation Division

**1220 S. St Francis Dr.  
Santa Fe, NM 87505**

QUESTIONS

Action 507279

### QUESTIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 507279
	Action Type: [NOTIFY] Notification Of Release (NOR)

### QUESTIONS

<b>Location of Release Source</b> <i>Please answer all the questions in this group.</i>	
Site Name	San Juan 29-7 #563S
Date Release Discovered	09/15/2025
Surface Owner	Private

<b>Incident Details</b> <i>Please answer all the questions in this group.</i>	
Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

<b>Nature and Volume of Release</b> <i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Cause: Overflow - Tank, Pit, Etc.   Pit (Specify)   Crude Oil   Released: 12 BBL   Recovered: 8 BBL   Lost: 4 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Compressor drain pit was flooded due to precipitation and resulted in motor oil floating out of the tank into the bermed containment area.

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

QUESTIONS, Page 2

Action 507279

**QUESTIONS (continued)**

Operator:  HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 507279
	Action Type: [NOTIFY] Notification Of Release (NOR)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>

*With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.*

<b>Initial Response</b>	
<i>The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.</i>	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	<i>Not answered.</i>

*Per Paragraph 4 of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.*

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ACKNOWLEDGMENTS

Action 507279

**ACKNOWLEDGMENTS**

Operator:  HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 507279
	Action Type: [NOTIFY] Notification Of Release (NOR)

**ACKNOWLEDGMENTS**

<input checked="" type="checkbox"/>	I acknowledge that I am authorized to submit notification of a release on behalf of my operator.
<input checked="" type="checkbox"/>	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to my operator) to track the notification(s) and corrective action(s) for a release, pursuant to NMAC 19.15.29.
<input checked="" type="checkbox"/>	I acknowledge that creating a new incident file will require my operator to file subsequent submission(s) of form "C-141, Application for administrative approval of a release notification and corrective action", pursuant to NMAC 19.15.29.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	I acknowledge the fact that 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.
<input checked="" type="checkbox"/>	I acknowledge the fact that, 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.

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CONDITIONS

Action 507279

**CONDITIONS**

Operator:  HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 507279
	Action Type: [NOTIFY] Notification Of Release (NOR)

**CONDITIONS**

Created By	Condition	Condition Date
kkaufman	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	9/18/2025

## Legend

- Sample Location Compliant with Closure Criteria
- Sample with Initial Concentrations Exceeding Closure Criteria
- Sample Location Exceeding Closure Criteria
- Release Extent



## Tammy Jones

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**From:** Kate Kaufman  
**Sent:** Tuesday, December 16, 2025 8:04 AM  
**To:** Tammy Jones  
**Subject:** FW: [EXTERNAL] Hilcorp Energy - BGT Closure Request  
**Attachments:** BGT Closure Memo\_SJ 29-7 #563S\_#73A\_#73C.pdf

Good morning Tammy –

I think we can proceed with submitting a closure request for the 29-7 #563S and 73A/73C BGTs, per Joel's note below. I am sending you what I forwarded him – a closure memo outlining the situation with the spills and BGTs, explaining why we will wait to backfill until spill remediation is complete.

Please let me know if you have any questions and when this is submitted to OCD, so I can keep Brittany up to date on the INCs.

Thanks!

Kate

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**From:** Stone, Joel, EMNRD <Joel.Stone@emnrd.nm.gov>  
**Sent:** Monday, December 15, 2025 4:27 PM  
**To:** Kate Kaufman <kkaufman@hilcorp.com>  
**Subject:** RE: [EXTERNAL] Hilcorp Energy - BGT Closure Request

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

Hi Kate,

Hilcorp can submit the C-144 Forms and associated closure reports, including required documentation and information outlined in the approved closure plans , for the subject BGTs to the OCD for review.

Thank you and please let me know if you have any questions.

Joel B. Stone • Senior Environmental Scientist  
Energy, Minerals and Natural Resources Department  
Oil Conservation Division  
1220 S. St. Francis Drive, Santa Fe, NM 87505  
(505) 709-5149 | [joel.stone@emnrd.nm.gov](mailto:joel.stone@emnrd.nm.gov)

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**From:** Kate Kaufman <kkaufman@hilcorp.com>  
**Sent:** Monday, December 15, 2025 3:11 PM  
**To:** Stone, Joel, EMNRD <Joel.Stone@emnrd.nm.gov>  
**Cc:** Kate Kaufman <kkaufman@hilcorp.com>  
**Subject:** [EXTERNAL] Hilcorp Energy - BGT Closure Request

**CAUTION:** This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good afternoon Joel,

Hilcorp submitted a BGT Closure notice for two pits at a multi well pad on 10/29/2025. The BGTs are associated with wells San Juan 29-7 #563S and San Juan 29-7 #73A/#73C. I would like to request OCD approval to close out the BGT permits in order to comply with NMOCD INCs listed below. The BGTs have been removed, closure samples collected and results were all below closure criteria. Hilcorp will be remediating a spill in the same location as the BGTs and will not backfill pending completion of spill remediation. Details are noted in the attached memo.

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

Field Compliance ID	Well API	Compliance required date
cBZH2526540158	[30-039-27428] SAN JUAN 29 7 UNIT #563S	12/17/2025
cBZH2526555895	[30-039-25429] SAN JUAN 29 7 UNIT #073A	12/21/2025
cBZH2526556373	[30-039-30582] SAN JUAN 29 7 UNIT #073C	12/17/2025

Regards,

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

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CONDITIONS

Action 535708

**CONDITIONS**

Operator:  HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 535708
	Action Type: [C-144] Below Grade Tank Plan (C-144B)

**CONDITIONS**

Created By	Condition	Condition Date
joel.stone	Upon the cessation of all production operations in the area associated with well API 30-039-25429/30-039-30582 (San Juan 29-7 Unit #073A/San Juan 29-7 Unit #073C), 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.	12/23/2025