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 June 6, 2013

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.
I. Operator: Hilcorp Energy Company OGRID #: 372171
Address: 382 Road 3100 Aztec, NM 87410
Facility or well name: SAN JUAN 28-6 UNIT 205E
API Number: 3003930120 OCD Permit Number:
U/L or Qtr/Qtr A Section 9 Township 27N Range 6W County: Rio Arriba
Center of Proposed Design: Latitude 36.5958467°N Longitude -107.4634200°W NAD: ⊠1927 □ 1983
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: Thicknessmil ☐ LLDPE ☐ HDPE ☐ PVC ☐ Other
String-Reinforced
Liner Seams: Welded Factory Other Volume: bbl Dimensions: L_x W_x D_
3.
Volume: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: Thicknessmil
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)

Alternate. Please specify

Four foot height, four strands of barbed wire evenly spaced between one and four feet

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.	
<u>Variances and Exceptions:</u> 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 acceptant material are provided below. Siting criteria does not apply to drying pads or above-grade tanks.	otable source
General siting	
Ground water is less than 25 feet below the bottom of a low chloride temporary pit or below-grade tank.	☐ Yes ☐ No
- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	⊠ 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
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance	☐ Yes ☐ No
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	
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)	☐ Yes ☐ No
 Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map 	
Within a 100-year floodplain. (Does not apply to below grade tanks)	☐ Yes ☐ No
- FEMA map	
Below Grade Tanks	
Within 100 feet of a continuously flowing watercourse, significant watercourse, lake bed, sinkhole, wetland or playa lake (measured	☐ Yes ☒ No
from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	
Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption;.	☐ Yes ☒ No
- NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	
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,	□ Yes □ No
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	☐ Yes ☐ No
 application. Visual inspection (certification) of the proposed site; Aerial photo; Satellite image 	
Within 200 haringstal fact of a graine on a spirote demostic fresh protection. It was a large fresh and the first feet of a graine on a spirote demostic fresh protection.	
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

Page 2 of 6

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					
Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 N Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the doc 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 19.15.17.12 NMAC Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19. and 19.15.17.13 NMAC Previously Approved Design (attach copy of design) API Number: or Permit Number:	NMAC 15.17.9 NMAC					
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 docattached. 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 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:	.15.17.9 NMAC					

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 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 ₂ S, Prevention Plan Emergency Response Plan Oil Field Waste Stream Characterization Monitoring and Inspection Plan Erosion Control 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	documents are
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 Falternative 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	luid Management Pit
14.	
Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be 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 sour provided below. Requests regarding changes to certain siting criteria require justifications and/or demonstrations of equivalency. In 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
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
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 Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance	Yes No

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 Within a 100-year floodplain.	☐ Yes ☐ No
- FEMA map	☐ Yes ☐ No
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plan 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. Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19. 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 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	11 NMAC 15.17.11 NMAC
Operator Application Certification:	C
I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and beli	
Name (Print): Title:	
Signature: Date:	
e-mail address:	
OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature: Approval Date: \(\sqrt{13} \)	812018
Title: Environmental Specalist OCD Permit Number:	
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 is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not section of the form until an approved closure plan has been obtained and the closure activities have been completed. Closure Completion Date: 10/15/2018	
20. Closure Method: Waste Excavation and Removal ☐ On-Site Closure Method ☐ Alternative Closure Method ☐ Waste Removal (Closed-lo ☐ If different from approved plan, please explain.	op systems only)
21.	

Form C-144 Oil Conservation Division Page 5 of 6

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: 11/9/2018
e-mail address: <u>tajones@hilcorp.com</u> Telephone: (505)324-5185

Hilcorp Energy Company San Juan Basin Below Grade Tank Closure Report

Lease Name: SAN JUAN 28-6 UNIT 205E

API No.: 3003930120

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 not 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 revegetate 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 certified mail/letter. (See Attached) (Well located on Federal Land, certified mail is not required for Federal Land per BLM/OCD MOU.)

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

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

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

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

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

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

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

Tammy Jones

From:

Christine Brock

Sent:

Friday, October 5, 2018 7:56 AM

To:

Smith, Cory, EMNRD; Vanessa Fields - NMOCD (Vanessa.Fields@state.nm.us); Whitney Thomas - BLM (I1thomas@blm.gov);

'Adeloye, Abiodun'

Cc:

Farmington Regulatory Techs; Lisa Jones; Juanita Farrell; Ashton Hemphill; Lindsay Dumas

Subject:

72 Hour BGT Closure Notification - San Juan 28-6 Unit 205E

Subject: 72 Hour BGT Closure Notification

Anticipated Start Date: Tuesday, October 9th at approximately 8:00 a.m.

The subject well has a below-grade tank that will begin the closure process between 72 hours and one week from this notification. Please contact me at any time if you have any questions or concerns.

Well Name: San Juan 28-6 Unit 205E

API#: 3003930120

Location: Unit A (NENE), Section 09, T27N, R06W

Footages: 20' FNL & 370' FEL

Operator: Hilcorp Surface Owner: FEE (Lease #NMSF-079049)

Reason: Re-setting Facilities

Thank you,

Christine Brock

Hilcorp Energy Company San Juan South Regulatory Office: 505-324-5155

Office: 505-324-5155 cbrock@hilcorp.com



Hilcorp San Juan, L.P.

Land Tech – San Juan Lisabeth Jones 382 Road 3100 Aztec, NM 87410 Telephone: (505) 324-5129 ljones@hilcorp.com

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

9214 7969 0099 9790 1011 4351 95

October 5, 2018

Twin Peaks Ranch Partnership 211 Highway 511 Blanco, NM 87412

Re: **SAN JUAN 28-6 UNIT 205E**

API: 30-039-30120 Unit A (NE/NE) Section 9, T27N, R6W Rio Arriba 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. The closure process will begin between 72 hours and one week from this notification.

If you have any questions regarding this work, please call within five (5) days of receiving this notice.

Sincerely,

Lisa JonesLand Tech

Fields, Vanessa, EMNRD

From:

Fields, Vanessa, EMNRD

Sent:

Thursday, November 29, 2018 11:41 AM

To:

Priscilla Shorty; tajones@hilcorp.com

Cc:

Smith, Cory, EMNRD

Subject:

New C-141 in BGT Closures (C-144's)

Good morning ladies,

Please ensure in the future that you put the new C-141 in the BGT closures.

The old C-141 was put in the closures for the SJ 28-6 Unit 205E and the Grambling C Com 201

Thank you, Vanessa Fields Environmental Specialist Oil Conservation Division Energy, Minerals, & Natural Resources 1000 Rio Brazos, Aztec, NM 87410 (505)334-6178 ext 119 Cell: (505) 419-0463

vanessa.fields@state.nm.us

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 District II
1301 W. Grand Avenue, 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

Revised August 8, 2011

Form C-141

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Submit 1 Copy to appropriate District Office to accordance with 19.15.29 NMAC.

			Rele	ease Notifi	catio	n and Co	orrective A	ction				
					OPERA	ГOR		Initi	al Report	\boxtimes	Final Repor	
		ilcorp Energ				Contact Tammy Jones						
		00 Aztec N				Telephone No.(505) 324-5185 Facility Type: Gas Well						
						e. Gas Well						
Surface Ow	ner: Privat	te		Mineral (Owner:	Federal			API No	3003930	120	
LOCATION OF RELEASE												
Unit Letter	Section	Township	Range	Feet from the	_	/South Line	Feet from the	East/We	est Line	County		
	Latitude <u>36.5958467°N</u> Longitude <u>-107.4634200°W</u> NAD: 1927											
						OF REL						
Type of Rele						Volume of				Recovered		
Source of Re	lease					Date and H	Hour of Occurrence	ce 1	Date and	Hour of Dis	covery	
Was Immedia	ate Notice (Yes [No 🛛 Not R	equired	If YES, To	Whom?					
By Whom?						Date and H	lour					
Was a Water	course Read						olume Impacting	the Water	course.			
			Yes 🛛 1	No								
N/A		pacted, Descri										
		tered during t										
Describe Are N/A	a Affected	and Cleanup A	Action Tak	en.*								
regulations all public health should their cor the environ	I operators or the envir operations hament. In a	are required to ronment. The lave failed to a	o report an acceptance adequately OCD accep	d/or file certain to e of a C-141 reprint investigate and in	release r ort by th remedia	notifications a ne NMOCD m te contaminati	knowledge and und perform correcarked as "Final R on that pose a three the operator of	ctive action Report" doc reat to ground responsible	ns for rel es not rel und water ility for c	eases which ieve the oper r, surface wa ompliance w	may er rator of iter, hus with any	ndanger Tliability man health
Signatura		1					OIL CON	SERVA	TION	DIVISIO	N	
Signature:	Tom	MA Jones	1									
Printed Name	e: Tammy J	Jones				Approved by	Environmental S	pecialist:				
Title: Operat	ions/Regula	atory Technici	an – Sr.			Approval Da	te:	Ex	piration	Date:		
E-mail Addre	ess: taj	jones@hilcorp	o.com		Conditions of Approval:							
Date: 11/9/2	Date: 11/9/2018 Phone: (505) 324-5185											
Attach Addit	ional Shee	ets If Necess	arv									



ANALYTICAL REPORT

October 12, 2018

HilCorp-Farmington, NM

Sample Delivery Group:

L1033210

Samples Received:

10/10/2018

Project Number:

Description:

Site:

JJ 28-6 UNIT 205E

Report To:

Lindsay Dumas

382 Road 3100

Aztec, NM 87401

Entire Report Reviewed By:

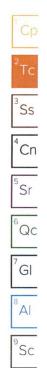
Olivia Studebaker Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace National is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

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SAMPLE SUMMARY



CNTER BGT CELLAR L1033210-01 Solid			Collected by Kurt	Collected date/time 10/09/18 00:00	Received date/time 10/10/18 08:45
Method	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	
Wet Chemistry by Method 9056A	WG1179036	1	10/11/18 10:50	10/11/18 16:22	LAM
Volatile Organic Compounds (GC) by Method 8015/8021	WG1178761	1	10/10/18 11:29	10/10/18 12:54	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1178946	1	10/10/18 22:14	10/11/18 09:41	AAT
			Collected by	Collected date/time	Received date/time
4 DIRECTIONS BGT CELLAR L1033210-02 Solid			Kurt	10/09/18 00:00	10/10/18 08:45
Method	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	
Wet Chemistry by Method 9056A	WG1179036	1	10/11/18 10:50	10/11/18 16:31	MAJ
Volatile Organic Compounds (GC) by Method 8015/8021	WG1178761	1	10/10/18 11:29	10/10/18 13:15	DWR
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1178946	1	10/10/18 22:14	10/11/18 10:21	AAT

















Ср















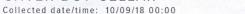
All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Olivia Studebaker Project Manager

CNTER BGT CELLAR

SAMPLE RESULTS - 01

ONE LAB. NATIONWIDE.



Wet Chemistry by Me	thod 9056A	4				
	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg		date / time	
Chloride	10.1	В	10.0	1	10/11/2018 16:22	WG1179036

Volatile Organic Compounds (GC) by Method 8015/8021

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg		date / time	
Benzene	0.000714		0.000500	1	10/10/2018 12:54	WG1178761
Toluene	ND		0.00500	1	10/10/2018 12:54	WG1178761
Ethylbenzene	ND		0.000500	1	10/10/2018 12:54	WG1178761
Total Xylene	ND		0.00150	1	10/10/2018 12:54	WG1178761
TPH (GC/FID) Low Fraction	ND		0.100	1	10/10/2018 12:54	WG1178761
(S) a,a,a-Trifluorotoluene(FID)	102		77.0-120		10/10/2018 12:54	WG1178761
(S) a,a,a-Trifluorotoluene(PID)	93.3		72.0-128		10/10/2018 12:54	WG1178761

Semi-Volatile Organic Compounds (GC) by Method 8015

	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg		date / time		
C10-C28 Diesel Range	ND _		4.00	1	10/11/2018 09:41	WG1178946	
C28-C40 Oil Range	ND		4.00	1	10/11/2018 09:41	WG1178946	
(S) o-Terphenyl	68.3		18.0-148		10/11/2018 09:41	WG1178946	



4 DIRECTIONS BGT CELLAR

Collected date/time: 10/09/18 00:00

SAMPLE RESULTS - 02

ONE LAB. NATIONWIDE.

Wet Chemistry by Method 9056A

	,						
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg		date / time		
Chloride	ND		10.0	1	10/11/2018 16:31	WG1179036	

²Tc

Volatile Organic Compounds (GC) by Method 8015/8021

	Result	Qualifier	RDL	Dilution	Analysis	Batch		_ [
Analyte	mg/kg		mg/kg		date / time			[
Benzene	ND		0.000500	1	10/10/2018 13:15	WG1178761		
Toluene	ND		0.00500	1	10/10/2018 13:15	WG1178761		
Ethylbenzene	ND		0.000500	1	10/10/2018 13:15	WG1178761		
Total Xylene	ND		0.00150	1	10/10/2018 13:15	WG1178761		N.
TPH (GC/FID) Low Fraction	ND		0.100	1	10/10/2018 13:15	WG1178761		6
(S) a,a,a-Trifluorotoluene(FID)	101		77.0-120		10/10/2018 13:15	WG1178761		
(S) a,a,a-Trifluorotoluene(PID)	92.8		72.0-128		10/10/2018 13:15	WG1178761		[7

⁴Cn

Semi-Volatile Organic Compounds (GC) by Method 8015

	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg		date / time		
C10-C28 Diesel Range	ND		4.00	1	10/11/2018 10:21	WG1178946	
C28-C40 Oil Range	ND		4.00	1	10/11/2018 10:21	WG1178946	
(S) o-Terphenyl	73.1		18.0-148		10/11/2018 10:21	WG1178946	







WG1179036

QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE.

L1033210-01,02

Method Blank (MB)

Wet Chemistry by Method 9056A

(MB) R3349949-1	10/11/18 15:22			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Chloride	1.62	J	0.795	10.0

²Tc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3349949-2 10/11/1	8 15:30 • (LCSD) R3349949-3	10/11/18 15:39							
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%
Chloride	200	193	196	96.6	97.8	80.0-120			1.20	15







QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE.

Volatile Organic Compounds (GC) by Method 8015/8021

L1033210-01,02

Method Blank (MB)

(MB) R3349577-5 10/10/1	8 12:01				
	MB Result	MB Qualifier	MB MDL	MB RDL	
Analyte	mg/kg		mg/kg	mg/kg	
Benzene	U		0.000120	0.000500	
Toluene	U		0.000150	0.00500	
Ethylbenzene	U		0.000110	0.000500	
Total Xylene	U		0.000460	0.00150	
TPH (GC/FID) Low Fraction	U		0.0217	0.100	
(S) a,a,a-Trifluorotoluene(FID)	105			77.0-120	
(S) a,a,a-Trifluorotoluene(PID)	96.5			72.0-128	

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3349577-1 10/10/1	8 10:17 • (LCSD)	R3349577-4	10/10/18 11:19								
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits	
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%	
Benzene	0.0500	0.0502	0.0497	100	99.4	76.0-121			0.876	20	
Toluene	0.0500	0.0542	0.0521	108	104	80.0-120			3.85	20	
Ethylbenzene	0.0500	0.0568	0.0551	114	110	80.0-124			3.00	20	
Total Xylene	0.150	0.173	0.168	115	112	37.0-160			3.11	20	
(S) a,a,a-Trifluorotoluene(FID)				105	106	77.0-120					
(S) a,a,a-Trifluorotoluene(PID)				99.2	98.0	72.0-128					

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3349577-2 10/10/	18 10:38 • (LCSD) R3349577-3	3 10/10/18 10:58							
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%
TPH (GC/FID) Low Fraction	5.50	5.74	5.76	104	105	72.0-127			0.481	20
(S) a,a,a-Trifluorotoluene(FID)				101	101	77.0-120				
(S) a,a,a-Trifluorotoluene(PID)				105	104	72.0-128				









QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE.

Volatile Organic Compounds (GC) by Method 8015/8021

L1033210-01,02

L1032895-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1032895-01 10/10/18	3 18:28 • (MS) R	3349577-6 10/	10/18 20:32 •	(MSD) R33495	77-7 10/10/18	20:53						
	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Benzene	0.0500	4.13	27.0	29.5	91.6	101	500	10.0-155			8.64	32
Toluene	0.0500	20.8	45.4	50.0	98.2	117	500	10.0-160			9.64	34
Ethylbenzene	0.0500	22.9	50.0	54.9	108	128	500	10.0-160			9.23	32
Total Xylene	0.150	154	180	197	34.0	56.4	500	10.0-160	<u>J6</u>	<u>J6</u>	8.92	32
(S) a,a,a-Trifluorotoluene(FID)					105	106		77.0-120				
(S) a a a-Trifluorotoluene(PID)					103	104		72.0-128				















WG1178946

QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE.

Semi-Volatile Organic Compounds (GC) by Method 8015

Method Blank (MB)

(MB) R3349711-1 10/11/18	3 09:00			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
C10-C28 Diesel Range	U		1.61	4.00
C28-C40 Oil Range	U		0.274	4.00
(S) o-Terphenyl	78.7			18.0-148



4Cn

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3349711-2 10/11/	18 09:14 • (LCSD)	R3349711-3 1	0/11/18 09:27							
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%
C10-C28 Diesel Range	50.0	38.7	40.0	77.4	80.0	50.0-150			3.30	20
(S) o-Terphenyl				92.9	94.6	18.0-148				



GI

8 Al

9

⁹Sc

L1033210-01 Original Sampl	e (OS) • Matrix	Spike (MS) •	Matrix Spike	Duplicate (MSD)
----------------------------	-----------------	--------------	--------------	-----------------

(OS) L1033210-01 10/11/	18 09:41 • (MS) R3:	349711-4 10/11/	18 09:54 • (M	SD) R3349711-5	10/11/18 10:08	3						
	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
C10-C28 Diesel Range	48.2	ND	41.0	36.3	85.1	72.6	1	50.0-150			12.2	20
(S) o-Terphenyl					76.2	82.6		18.0-148				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the resul reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description

В	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.

Cp

2_

3 Ss

⁴Cn









PAGE:



GI

Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One profile call, one point of contact, one laboratory is accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conductive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

State Accreditations

	The second secon		
Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey-NELAP	TN002
California	2932	New Mexico 1	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio-VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky 16	90010	South Carolina	84004
Kentucky ²	16	South Dakota	n/a
Louisiana	Al30792	Tennessee 14	2006
Louisiana ¹	LA180010	Texas	T 104704245-17-14
Maine	TN0002	Texas ⁵	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

Third Party Federal Accreditations

A2LA - ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA - ISO 17025 5	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA-Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.



CHAIN-OF-CUSTODY Analytical Request Document Pace Analytical Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields							MTJL Log-in Number Here															
Company: HilCorp-Farmington, NM Billing Information:						ALL SHADED AREAS are for LAB USE ONLY																
Address: 382 Road 3100 Aztec, NM 87401	V D	PO Box 61529								Cor	itaine	r Prese	rvativ	ive Type ** Lab P				ject Manager:				
	4	242	Houston,	TX 77208		100	A 7 -			288 - Daphne Richards							aphne Richards					
Report To: LIDSAY DUMAS Email To: Tolumas Enteror Com Khoek strachilcorp. Com Site Collection Info/Address:						** Preservative Types: {1} nitric acid, {2} sulfuric acid, {3} hydrochloric acid, {4} sodium hydroxide, {5} zinc acetate, (6) methanol, (7) sodium bisulfate, {8} sodium thiosulfate, {9} hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other																
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Phone: 505-486-9543	Site/Facility ID		Compliance Monitoring?				MED									Custod	y Seals Present/Intact Y N (1) Dy Signatures Present Y N (1)					
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Collected by (signature):	Turnaround D	ate Requir	ed:		Immediately Packed on Ice: X Yes [] No													Headspace Acceptable Y N				
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Archive	[] 2 Day [] 3 Day [] 5 Day	Analysis:			_	10	\$	E							pH Str				
* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground W. Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassa							801	1.00	Control of the last					1		Sulfide Present Y N NA Lead Acetate Strips:						
Customer Sample ID	Matrix *	Comp / Grab		ted (or site Start)	Compo	osite End	Res	# of Ctns	TPH	BIE	E								TE ONLY: imple # / Comments			
			Date	Time	Date	Time				-												
CENTER BET CEL	LAN 55	GEAR	10-9					1	X	Service de la constante de la	×								L1033210-01			
4 DIRECTIONS BOT	CELLAR "	Comp	10-9	-	-			1	X	X	X	_							67			
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Customer Remarks / Special Cor	ditions / Passible	e Hazards:	Type of Ic	e Used:	Wet	Blue	Dry	None		SHO	RT HOL	DS PF	RESENT	(<72	hours):	YN	N/A		LAB Sample Temperature Info:			
#Error			Packing N	Material Us	ed:					LAB	Trackin	g #:							Temp Blank Received: Y N NA			
#Error /			Radchem	sample(s)	screened (500 cpm):	Y N	NA NA		18 HONOR 17 TO 1	ples rec			-					Therm ID#: 11 ke			
Relinquished by Company: (Sign	nature)	- 1	e/Time: [Received	by/Compar	ry: (Signa	ture)		Accommon	Date/T	A SHARP PROPERTY.	P3	Clien	-	G06		Courier	Cooler 1 Temp Upon Receipt 44 oC Cooler 1 Therm Corr. Factor 4.3 oC			
Relinquished by/Company: (Sign	nature)	Name and Address of the Owner, where	0-9-1 e/Time:	8	Received	by/Compar	y: (Signa	ture)		\dashv	Date/T	îme:			Acetnu	m: HILO	ORANI	м	Contracted Temp 34 oC			
															Templa				Trip Blank Received: Y N NA			
Relinquished by/Company: (Sign	nature)	Dat	e/Time:		Received	þy/Compar	ıy: (Signa	ture)	Date/Time:						Prelogin:				HCL MeOH TSP Other			
					No.	. 4	701	1		l	1011	811	20		DAA: 200 Danhaa Bishanda				NonConformance(s) Page			
-					allen 611)					4	0//	0//2	8 8	48	PB:				YES / (NO) of			
-					1.1.0	4 711	01	11-	d			_			-							



Hilcorp Energy Company

SAN JUAN 28-6 #205E

LATITUDE 36°35.7499'N LONGITUDE 107° 27.8256'W

UNIT A SEC 9 T27N R06W 20' FNL 370' FEL API # 30-039-30120 LEASE# SF-079049 ELEV. 6236'GL RIO ARRIBA COUNTY, NEW MEXICO

