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.

BGT 1 Proposed Alternative Method Permit or Closure Plan Application						
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						
lease 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 nvironment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances						
Operator: Hilcorp Energy Company OGRID #: 372171						
Address: 382 Road 3100 Aztec, NM 87410						
Facility or well name: SAN JUAN 28-6 UNIT 110						
API Number:						
U/L or Qtr/Qtr L Section 25 Township 27N Range 06W County: Rio Arriba						
Center of Proposed Design: Latitude 36.5426 °N Longitude -107.42392 °W NAD27						
Surface Owner: Note Telephone Tribal Trust or Indian Allotment						
7						
☐ 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. Below-grade tank: Subsection I of 19.15.17.11 NMAC						
Volume: 120 bbl Type of fluid: Produced Water						
Tank Construction material: Metal Metal						
Secondary containment with leak detection Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off						
☐ Visible sidewalls and liner ☐ Visible sidewalls only ☐ Other						
Liner type: Thickness mil HDPE PVC Other Unspecified						
Zanar type, Tananasa Zanar Sanar						
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.						
s. 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)	
Infolium inspections (if fletting of screening is not physically leastore)	
 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 	
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 accept material are provided below. Siting criteria does not apply to drying pads or above-grade tanks.	stable source
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	☐ Yes ☐ No
application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	
Within 200 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 300feet of any other fresh water well or spring, in existence at the time of the initial application. NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No

Within 100 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Temporary Pit Non-low chloride drilling fluid	
Within 300 feet of a continuously flowing watercourse, or any other significant watercourse, or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 500 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 1000 feet of any other fresh water well or spring, in the existence at the time of the initial application; - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet of a wetland US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Permanent Pit or Multi-Well Fluid Management Pit	
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 500 horizontal feet of a spring or a fresh water well used for domestic or stock watering purposes, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 Natructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the do 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 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:	ouments are NMAC 15.17.9 NMAC
IL.	
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 do 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 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:).15.17.9 NMAC
in the following the property of the seguine of the following the follow	*

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 definition of the following items must be attached to the application.	locuments are
### 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 Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC	
13. <u>Proposed Closure</u> : 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 Florence Cleaner Mathed. Weste Encounting and Permanent	uid Management Pit
Proposed Closure Method: Waste Excavation and Removal Waste Removal (Closed-loop systems only) On-site Closure Method (Only for temporary pits and closed-loop systems) In-place Burial On-site Trench Burial Alternative Closure Method	
14	
Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be a 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	macnea to the
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. P 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	
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
16, On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plan	n Please indicate
by a check mark in the box, that the documents are attached.	m Treuse mineure,
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 19.15.17.1	
Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.1 Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC	5.17.11 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 appropriate to the control of th	ot 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 believes.	ef.
Name (Print): Title:	
Name (Fine).	
Signature: Date:	
e-mail address: Telephone;	A CONTRACTOR OF THE PARTY OF TH
18. OCD Approval: ☐ Permit Application (including closure plan) ☐ Closure Plan (only) ☐ OCD Conditions (see attachment)	
OCD Representative Signature: Approval Date: Approval Date:	9
Title: Environmental Specalist OCD Permit Number: BGT 1	
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	
section of the form until an approved closure plan has been obtained and the closure activities have been completed.	2010
☐ Closure Completion Date: 10/16/	2019
20. Closure Method:	
Waste Excavation and Removal ☐ On-Site Closure Method ☐ Alternative Closure Method ☐ Waste Removal (Closed-lo	op systems only)
If different from approved plan, please explain.	
21. <u>Closure Report Attachment Checklist</u> : Instructions: Each of the following items must be attached to the closure report. Please incomark in the box, that the documents are attached.	
	dicate, by a check
☑ Proof of Closure Notice (surface owner and division)	dicate, by a check
☐ Proof of Deed Notice (required for on-site closure for private land only)	dicate, by a check
 ☐ 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) 	dicate, by a check
 □ 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) 	dicate, by a check
 ☐ 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) 	dicate, by a check
 □ 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 	dicate, by a check

Operator Closu	re Certification:			
				curate and complete to the best of my knowledge and ions specified in the approved closure plan.
Name (Print):	Tammy Jones	Title:	:	Operations/Regulatory Technician - Sr
Signature:	Tamuy Daws		Date:	10/18/2019
e-mail address:_	tajones@hilcorp.com	Telephone:	(505) 32	24-5185

Hilcorp Energy Company San Juan Basin Below Grade Tank Closure Report

Lease Name: SAN JUAN 28-6 UNIT 110

API No.: 30-039-82369

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 email. (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:

Tammy Jones

Sent:

Tuesday, September 24, 2019 10:45 AM

To:

'Smith, Cory, EMNRD'; 'Whitney Thomas - BLM (I1thomas@blm.gov)'; 'Adeloye,

Abiodun'; 'Durham, John, EMNRD'

Cc:

Lisa Jones; Juanita Farrell; Trevor Coleman; Lindsay Dumas; Etta Trujillo; John LaMond;

Kurt Hoekstra; Sasha Khalaf

Subject:

72 Hour BGT Closure Notification - San Juan 28-6 Unit 110

Subject: 72 Hour BGT Closure Notification

Anticipated Start Date: Friday, September 27th at approximately 9:00 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 110

API#:

3003982369

Location:

Unit L (NWSW), Section 25, T27N, R06W

Footages:

1550' FSL & 990' FWL

Operator:

Hilcorp

Surface Owner: FEDERAL (Lease #NMSF079367B)

Reason:

P&A'd well BGT removal

Thank you,

Tammy Jones | HILCORP ENERGY | San Juan East Regulatory | 505.324.5185 | tajones@hilcorp.com

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

Responsible Party

Hilcorp Energy Company

State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

OGRID

372171

Contact Nam	e Tamn	ny Jones			Contact Te	elephone (505) 324-5185
Contact email tajones@hilcorp.com			Incident # (assigned by OCD)			
Contact mail	ing address	382 Road 3100	Aztec NM 874	110	. 1	
			Location	of F	Release So	ource
Latitude			(NAD 83 in de	ecimal de	Longitude _ egrees to 5 decim	nal places)
Site Name SA	AN JUAN 2	8-6 UNIT 110			Site Type	Gas Well
Date Release	Discovered	N/A			API# (if appl	olicable) 30-039-82369
Unit Letter	Section	Township	Range		Coun	nty
L	25	27N	6W	Rio	Arriba	
Crude Oil		Volume Release	ed (bbls)	h calcula	tions or specific	Justification for the volumes provided below) Volume Recovered (bbls) Volume Recovered (bbls)
		produced water		cnioria	e in the	☐ Yes ☐ No
Condensa	te	Volume Release	ed (bbls)			Volume Recovered (bbls)
Natural G	as	Volume Release				Volume Recovered (Mcf)
Other (de	scribe)	Volume/Weight	Released (provid	de units)	Volume/Weight Recovered (provide units)
Cause of Rele	ease	<u>I</u>				
No release wa	s encountere	d during the BGT	Closure.			

Form C-141 Page 2

State of New Mexico Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the responsible	e party consider this a major release?
☐ Yes ⊠ No	N/A	
If YES, was immediate no	office given to the OCD? By whom? To whom?	? When and by what means (phone, email, etc)?
Not Required		
	Initial Resp	onse
The responsible p	party must undertake the following actions immediately unle	ess they could create a safety hazard that would result in injury
☐ The source of the rele	ease has been stopped.	
☐ The impacted area ha	is been secured to protect human health and the	environment.
	ave been contained via the use of berms or dikes	A CONTRACTOR OF THE CONTRACTOR
	ecoverable materials have been removed and ma	00 000 ₩ 0 000 90 ₩ 10 0 ₩ 0 000 00 00 00 00 00 00 00 00 00 0
If all the actions described	d above have <u>not</u> been undertaken, explain why:	:
N/A		
has begun, please attach	a narrative of actions to date. If remedial effor	diation immediately after discovery of a release. If remediation rts have been successfully completed or if the release occurred se attach all information needed for closure evaluation.
regulations all operators are public health or the environr failed to adequately investiga	required to report and/or file certain release notification. The acceptance of a C-141 report by the OCD gate and remediate contamination that pose a threat to	of my knowledge and understand that pursuant to OCD rules and ions and perform corrective actions for releases which may endanger does not relieve the operator of liability should their operations have groundwater, surface water, human health or the environment. In onsibility for compliance with any other federal, state, or local laws
Printed Name: Tar	mmy Jones	Title:Operations/Regulatory Technician - Sr
Signature:	my Daws I	Date: 10/18/2019
email: <u>tajo</u>	ones@hilcorp.com	Telephone:(505) 324-5185
OCD Only		
Received by:	Da	ate:



ANALYTICAL REPORT

October 08, 2019







⁴Cn



6

⁶Qc

⁷GI





HilCorp-Farmington, NM

Sample Delivery Group:

L1144874

Samples Received:

10/01/2019

Project Number:

Description:

San Juan 28-6 Unit 110

Site:

SAN JUAN 28-6 UNIT 110

Report To:

Lindsay Dumas

382 Road 3100

Aztec, NM 87401

Entire Report Reviewed By:

Olivia Studebaker



TABLE OF CONTENTS

ONE LAB. NATIONWIDE.



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SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



BGT CLOSURE SAMPLE L1144874-01 Solid			Collected by K. Hoekstra	Collected date/time 09/27/19 11:45	Received da 10/01/19 09:0	124
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1358021	1	10/07/19 19:36	10/07/19 19:47	KBC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1355933	1	10/03/19 10:14	10/03/19 12:42	ST	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1358552	1	10/03/19 11:18	10/07/19 18:57	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1356694	1	10/03/19 11:45	10/03/19 19:48	JDG	Mt. Juliet, TN

























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.

2_{T.C}

²Tc

3 Ss

⁴Cn

⁵Sr

⁶Oc

⁷Gl

8 Al



Olivia Studebaker Project Manager

BGT CLOSURE SAMPLE Collected date/time: 09/27/19 11:45

SAMPLE RESULTS - 01

ONE LAB. NATIONWIDE.



Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	89.9		1	10/07/2019 19:47	WG1358021



Tc

Wet Chemistry by Method 300.0

	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg		date / time		
Chloride	24.3		10.0	1	10/03/2019 12:42	WG1355933	



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	10/07/2019 18:57	WG1358552
Toluene	ND		0.00500	1	10/07/2019 18:57	WG1358552
Ethylbenzene	ND		0.000500	1	10/07/2019 18:57	WG1358552
Total Xylene	ND		0.00150	1	10/07/2019 18:57	WG1358552
TPH (GC/FID) Low Fraction	ND		0.100	1	10/07/2019 18:57	WG1358552
(S) a,a,a-Trifluorotoluene(FID)	89.1		77.0-120		10/07/2019 18:57	WG1358552
(S) a,a,a-Trifluorotoluene(PID)	92.0		72.0-128		10/07/2019 18:57	WG1358552



Qc

GI

Cn

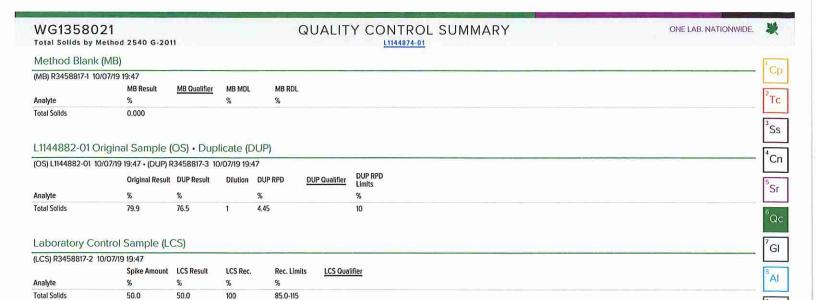
Al

9Sc

Semi-Volatile Organic Compounds (GC) by Method 8015

		0 110	201	BH 11	Access to the second	Box t	
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg		date / time		
C10-C28 Diesel Range	ND		4.00	1	10/03/2019 19:48	WG1356694	
C28-C40 Oil Range	ND		4.00	1	10/03/2019 19:48	WG1356694	
(S) o-Terphenyl	83.5		18.0-148		10/03/2019 19:48	WG1356694	

5 of 12



Sc



WG13559 Wet Chemistry I	933 by Method 300.0			(QUALIT	Y CONTROL SUMMARY	ONE LAB, NATIONWIDE.	學
Method Blank	k (MB)							
(MB) R3457526-1	10/03/19 11:38						*	C
Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg				² T
Chloride	2.08	ī	0.795	10.0				2
								S
								3
L1145078-03	Original Sample	(OS) • Duj	olicate (I	DUP)				
	Original Sample 10/03/19 13:29 • (DUP)							4
		R3457526-3		3:45	DUP Qualifier	DUP RPD Limits		⁴ C
(OS) L1145078-03	10/03/19 13:29 • (DUP)	R3457526-3	10/03/19 13	3:45	DUP Qualifier			⁴ C
(OS) L1145078-03 Analyte	10/03/19 13:29 • (DUP) Original Result	R3457526-3 DUP Result	10/03/19 13	3:45 DUP RPD	DUP Qualifier	Limits		⁴C ⁵S
(OS) L1145078-03 Analyte	10/03/19 13:29 • (DUP) Original Result mg/kg	R3457526-3 DUP Result mg/kg	10/03/19 13	3:45 DUP RPD %	DUP Qualifler	Limits %		⁴C ⁵S
(OS) L1145078-03 Analyte Chloride	10/03/19 13:29 • (DUP) Original Result mg/kg	R3457526-3 DUP Result mg/kg 502	10/03/19 13 Dilution	3:45 DUP RPD % 14.4	<u>DUP Qualifier</u>	Limits %		⁴ C 5 S 1 0 Q
(OS) L1145078-03 Analyte Chloride L1145078-12 (10/03/19 13:29 • (DUP) Original Result mg/kg 435	R3457526-3 DUP Result mg/kg 502 (OS) • Dup	10/03/19 1: Dilution 1	3:45 DUP RPD % 14.4	<u>DUP Qualifier</u>	Limits %		⁴ C 5 S 1 0 Q
(OS) L1145078-03 Analyte Chloride L1145078-12 (10/03/19 13:29 • (DUP) Orlginal Result mg/kg 435 Original Sample (R3457526-3 DUP Result mg/kg 502 (OS) • Dup 3457526-6 1	10/03/19 1: Dilution 1	3:45 DUP RPD % 14.4 DUP)	DUP Qualifier	Limits %		\$5 Sr \$6 Q \$7 G
(OS) L1145078-03 Analyte Chloride L1145078-12 (10/03/19 13:29 • (DUP) Original Result mg/kg 435 Original Sample (10/03/19 17:13 • (DUP) R	R3457526-3 DUP Result mg/kg 502 (OS) • Dup 3457526-6 1	10/03/19 13 Dilution 1 Dilicate (E	3:45 DUP RPD % 14.4 DUP)		Limits % 20		⁴ C ⁵ S ⁶ @

Laboratory Contro	ol Sample (LC	S)

(LCS) R3457526-2 10/	03/19 11:53				
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Chloride	200	207	103	90.0-110	

L1145078-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1145078-07 10/03/	19 15:21 • (MS) R	3457526-4 10/	03/19 15:37 •	(MSD) R345752	26-5 10/03/19	15:53							
	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	%	%		%			%	%	
Chloride	500	80.4	596	593	103	103	1	80.0-120			0.405	20	

ACCOUNT:	PROJECT:	SDG:	DATE/TIME:	PAGE:
HilCorp-Farmington, NM		L1144874	10/08/19 16:53	7 of 12

WG1358552 Volatile Organic Con		y Method 8	015/8021	QL	JALITY CONTROL SUMMARY ONE LAB. NATIONWIDE. L1144874-01	製
Method Blank (ME	3)					1
(MB) R3458809-3 10/07	7/19 13:29			Carlos and and		C
	MB Result	MB Qualifier	MB MDL	MB RDL		2
Analyte	mg/kg		mg/kg	mg/kg		T
Benzene	U		0.000120	0.000500		2
Toluene	0.000218	Ī	0.000150	0.00500		3 Ss
Ethylbenzene	U		0.000110	0.000500		_
Total Xylene	U		0.000460	0.00150		°C
TPH (GC/FID) Low Fraction	U		0.0217	0.100		
(S) a,a,a-Trifluorotoluene(FID)	96.5			77.0-120		5 S
(S) a,a,a-Trifluorotoluene(FID) (S) a,a,a-Trifluorotoluene(PID)	96.5 99.0			77.0-120 72.0-128		
(S) a,a,a-Trilluorotoluene(PID) Laboratory Contro	99.0 ol Sample (L	CS)				⁶ Q
(S) a,a,a-Trifluorotoluene(PID)	99.0 ol Sample (L	CS)	LCS Rec.		LCS Qualifier	⁵ Sr ⁶ Q ⁷ G
(S) a,a,a-Trifluorotoluene(PID) Laboratory Contro (LCS) R3458809-1 10/07	99.0 ol Sample (L 7/19 10:40		LCS Rec.	72.0-128	LCS Qualifier	⁶ Q
(S) a,a,a-Trifluorotoluene(PID) Laboratory Contro (LCS) R3458809-1 10/07	99.0 ol Sample (L 7/19 10:40 Spike Amount	LCS Result		72.0-128 Rec. Limits	LCS Qualifier	⁶ Q
(S) a,a,a-Trifluorotoluene(PID) Laboratory Contro (LCS) R3458809-1 10/07 Analyte Benzene	99.0 Sample (L 7/19 10:40 Spike Amount mg/kg	LCS Result	%	72.0-128 Rec. Limits %	LCS Qualifier	⁶ @ ⁷ G
(S) a,a,a-Trifluorotoluene(PID) Laboratory Contro (LCS) R3458809-1 10/07 Analyte Benzene Toluene	99.0 Sample (L 7/19 10:40 Spike Amount mg/kg 0.0500	LCS Result mg/kg 0.0479	% 95.8	72.0-128 Rec. Limits % 76.0-121	LCS Qualifier	⁶ Q
(S) a,a,a-Trifluorotoluene(PID) Laboratory Contro (LCS) R3458809-1 10/07 Analyte Benzene Toluene Ethylbenzene	99.0 DI Sample (L 7/19 10:40 Spike Amount mg/kg 0.0500 0.0500	LCS Result mg/kg 0.0479 0.0469	% 95.8 93.8	72.0-128 Rec. Limits % 76.0-121 80.0-120	LCS Qualifier	⁶ @ ⁷ G ⁸ A
(S) a,a,a-Trifluorotoluene(PID) Laboratory Contro	99.0 Sample (L 7/19 10:40 Spike Amount mg/kg 0.0500 0.0500	LCS Result mg/kg 0.0479 0.0469 0.0466	% 95.8 93.8 93.2	72.0-128 Rec. Limits % 76.0-121 80.0-120 80.0-124	LCS Qualifier	⁶ @ ⁷ G ⁸ A

(LCS) R3458809-2 10/07	/19 12:47					
Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier	
TPH (GC/FID) Low Fraction	5.50	5.70	104	72.0-127		
(S) a,a,a-Trifluorotoluene(FID)			108	77.0-120		
(S) a,a,a-Trifluorotoluene(PID)			109	72.0-128		

ACCOUNT:	PROJECT:	SDG:	DATE/TIME:	PAGE:
HilCorp-Farmington, NM		L1144874	10/08/19 16:53	8 of 12

WG135669 Semi-Volatile Organ		(GC) by Me	thod 8015	QL	ALITY CONTROL SUMMARY	ONE LAB, NATIONWIDE.	*
Method Blank (M	1B)						Cp
(MB) R3457595-1 10/0	3/19 19:22						Cp
	MB Result	MB Qualifier	MB MDL	MB RDL			2
Analyte	mg/kg		mg/kg	mg/kg			Tc
C10-C28 Diesel Range	U		1.61	4.00			
C28-C40 Oil Range	U		0.274	4.00			3Ss
(S) o-Terphenyl	86.2			18.0-148			
							⁴ Cn
Laboratory Cont	rol Sample (L	CS)					_
(LCS) R3457595-2 10/	03/19 19:35						Sr
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier		
Analyte	mg/kg	mg/kg	%	%			⁶ Qc
	50.0	44.9	89.8	50.0-150			CVC
C10-C28 Diesel Range				18.0-148			

			MSD Result (dry)									
Analyte mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%	
C10-C28 Diesel Range 58.7	196	202	171	10.0	0.000	5	50.0-150	<u>J6</u>	<u>J6</u>	16.4	20	
(S) o-Terphenyl				107	92.9		18.0-148					



PROJECT:

L1144386-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD) (OS) L1144386-01 10/03/19 22:07 • (MS) R3457595-3 10/03/19 22:19 • (MSD) R3457595-4 10/03/19 22:32

SDG: L1144874 DATE/TIME: 10/08/19 16:53 PAGE: 9 of 12



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.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Presérvation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.



Ss

Cn

Sr

Qc

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
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.









-111111	-		

for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control

These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal

Original Sample

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 result 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.

Uncertainty (Radiochemistry)

Confidence level of 2 sigma.

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.

Q	ua	lifier
_		

Description

J	The identification of the analyte is acceptable; the reported value is an estimate
10	

J6

The sample matrix interfered with the ability to make any accurate determination; spike value is low.

ACCREDITATIONS & LOCATIONS

ONE LAB. NATIONWIDE.



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 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 conducive 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.





4		
ľ	Cn	
ı	CII	













State Accreditations

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
lowa	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	T104704245-18-15
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.



	Billing Information:						0.700		Α	Analysis / Container / Preservative					Chain of Custody Pageof							
			ATTN: L	ATTN: Lindsay Dumas													Pa) ce Analytical " re Center for Resign & Ano	osvišion			
Report to: Lindsay Dumas				@hìlcorp.com	philcorp.com;												12965 Lebano Mount Juliet, Phone: 615-75	N 37122 W-7				
Project Description: SAn Juan 28-6 Un	lt 110		.lkhooket	City/State Collected: Azte			1										Phone: 800-76 fax: 615-758-1	7-5859	X.			
Phone; 281-794-9159 Fax:	Client Project	U		Lab Project #			DRO, GRO, MRO										L# K	1/19/ H168				
Collected by (print): K Hoekstra	Site/Facility II SAn Juan 2		110	P.O. #	P.O. #					9,0										Acctnum	HILCORANM	
Collected by Julgon Green Land How Settler. Immediately Packed on Ite N y ×	Same D	ab MUST Be ay X Five y 5 Da y 10 D ay	Đay	Quote # Date Res	ults Needed	No.	-8015-DR	BTEX 8021	Chloride 300.0								Template: Prelogin: TSR: PB:					
Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	Cnirs	HAH.	втех	- E								Shipped V Remark		on:y)			
BGT Closure Sample	Comp	ss	6'-6.5'	9-27-2019	11:45	1	×	×	×									01				
																100 A						
														4000000 3000000 3000000			0.000.000					
* Matrix: SS - Soil AIR - Alt F - Filter GW - Groundwater B - Bloassay WW - WasteWater	Remarks:									pH Flow		_ Temp			COC 8	igned, es ar	/Accurate rive inte	:t:Y				
DW - Drinking Water OT - Other	Samples retu LUPS Fr	rned via: / idEx // Co	urier	Ţ	rackine ii 🕻 🕹	201	u PA	ul l	עור כ	FIUW		Othe			Suffi	cient	tles use volume s If Appl	ent:Y icable	_1			
Relinquished by: Signature) Kunt Huckell	4	Date: 9-30		Time: R	eceived by: (Sign	ature)			<u> </u>	Trip Bla	ık Recei		es (Ng HCL7 N TBR	Меон	Prese	PAI	SCREE	:/Checked:Y :N: <0 ,5.				
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