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.

	Santa Pe, NWI 87303	to the appropriate NMOCD District Office.	
DG1 1	Below-Grade Tank, or Method Permit or Closure F	Plan Application	
☐ Closure of a pit, be☐ Modification to an☐ Closure plan only or proposed alternative method	proposed alternative method elow-grade tank, or proposed alternati existing permit/or registration submitted for an existing permitted or	r non-permitted pit, below-grade tank,	
Instructions: Please submit one application	• • •	-	
Please be advised that approval of this request does not relieve the onvironment. Nor does approval relieve the operator of its responsible.			
1.		, , ,	
Operator: Hilcorp Energy Company	OGRID #:	372171	
Address: 382 Road 3100 Aztec, NM 87410			
Facility or well name: Jicarilla C 2			
API Number: <u>30-039-06542</u>	OCD Permit Number:		
U/L or Qtr/Qtr M Section 11 Township _	26N Range 4W Cou	ınty: Rio Arriba	
Center of Proposed Design: Latitude 36.49522N	Longitude107	<u>1.22752W</u> NAD27	
Surface Owner: 🛛 Federal 🗌 State 🔲 Private 🔲 Tribal Trus	t or Indian Allotment		
□ Pit:       Subsection F, G or J of 19.15.17.11 NMAC         Temporary:       □ Drilling       □ Workover         □ Permanent       □ Emergency       □ Cavitation       □ P&A       □ Mu         □ Lined       □ Unlined       Liner type:       Thickness      mil         □ String-Reinforced         Liner Seams:       □ Welded       □ Factory       □ Other	☐ LLDPE ☐ HDPE ☐ PVC ☐ O	ther	
3.			
Below-grade tank: Subsection I of 19.15.17.11 NMAC			
Volume:bbl Type of fluid:	Produced Water		
Tank Construction material:Metal			
☐ Secondary containment with leak detection ☐ Visible signature.		verflow shut-off	
☐ Visible sidewalls and liner ☐ Visible sidewalls only ☐			
Liner type: Thicknessmil  HDPE	PVC ⊠ Other Unspecified		
4.  Alternative Method: Submittal of an exception request is required. Exceptions mus	st be submitted to the Santa Fe Environme	ental Bureau office for consideration of approval.	
5.			
Fencing: Subsection D of 19.15.17.11 NMAC (Applies to per	manent pits, temporary pits, and below-gr	rade tanks)	
$\square$ Chain link, six feet in height, two strands of barbed wire at institution or church)		of a permanent residence, school, hospital,	
Four foot height, four strands of barbed wire evenly spaced between one and four feet			

☐ Alternate. Please specify\_

Netting: Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks)  Screen Netting Other  Monthly inspections (If netting or screening is not physically feasible)	
7.  Signs: Subsection C of 19.15.17.11 NMAC  ☐ 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers  ☐ Signed in compliance with 19.15.16.8 NMAC	
8.  Variances and Exceptions:  Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance.  Please check a box if one or more of the following is requested, if not leave blank:  Variance(s): Requests must be submitted to the appropriate division district for consideration of approval.  Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.	
9. Siting Criteria (regarding permitting): 19.15.17.10 NMAC Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptate are provided below. Siting criteria does not apply to drying pads or above-grade tanks.	ptable 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 図 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. ( <b>Does not apply to below grade tanks</b> )  - Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within the area overlying a subsurface mine. ( <b>Does not apply to below grade tanks</b> ) - 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. ( <b>Does not apply to below grade tanks</b> ) - FEMA map	Yes No
Below Grade Tanks	
Within 100 feet of a continuously flowing watercourse, significant watercourse, lake bed, sinkhole, wetland or playa lake (measured from the ordinary high-water mark).  - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ⊠ No
Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption;.  - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ⊠ No
Temporary Pit using Low Chloride Drilling Fluid (maximum chloride content 15,000 mg/liter)	
Within 100 feet of a continuously flowing watercourse, or any other significant watercourse or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). (Applies to low chloride temporary pits.)  - Topographic map; Visual inspection (certification) of the proposed site	Yes No
Within 300 feet from a occupied permanent residence, school, hospital, institution, or church in existence at the time of initial application.	Yes No
- 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			
<ul> <li>Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.</li> <li>Visual inspection (certification) of the proposed site; Aerial photo; Satellite image</li> </ul>				
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				
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 NMAC  Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.  Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC Previously Approved Design (attach copy of design) API Number: or Permit Number:				
11.  Multi-Well Fluid Management Pit Checklist: Subsection B of 19.15.17.9 NMAC				
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the doc 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:				

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.	documents 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 <sub>2</sub> S, Prevention Plan		
Emergency Response Plan		
☐ Oil Field Waste Stream Characterization ☐ Monitoring and Inspection Plan		
☐ Erosion Control Plan		
Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC		
13. Proposed Closure: 19.15.17.13 NMAC		
Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.		
Type: Drilling Workover Emergency Cavitation P&A Permanent Pit Below-grade Tank Multi-well F. Alternative	luid Management Pit	
Proposed Closure Method: Waste Excavation and Removal		
<ul><li>☐ Waste Removal (Closed-loop systems only)</li><li>☐ On-site Closure Method (Only for temporary pits and closed-loop systems)</li></ul>		
☐ In-place Burial ☐ On-site Trench Burial		
Alternative Closure Method		
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 ☐ 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   Note of the State Engineer   NA   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		
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.	☐ Yes ☐ No	
- NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site  Written confirmation or verification from the municipality; Written approval obtained from the municipality	Ves □ No	
Within 300 feet of a wetland.	∐ Yes ∐ No	
US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No	
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance	1	

adopted pursuant to NMSA 1978, Section 3-27-3, as amended.  - Written confirmation or verification from the municipality; Written approval obtained from the municipality  Within the case conduction a subscript of the subscript.				
Wishing the case and being a sub-surface with	☐ Yes ☐ No			
Within the area overlying a subsurface mine Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division				
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 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.  Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 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 called Sampling Plan - 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	17.11 NMAC 19.15.17.11 NMAC			
17. Operator Application Certification:	т. с			
I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and				
Name (Print): Title:				
Signature: Date:				
e-mail address: Telephone:				
18.  OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment)				
OCD Representative Signature: Approval Date: Approval Date:	//2021			
OCD Representative Signature:	//2021			
Environmental Charielist C	ing the closure report.			
Title: Environmental Specialist  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 submitt The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do section of the form until an approved closure plan has been obtained and the closure activities have been completed.	ing the closure report. not complete this			

22. Operator Closur	re Certification:	
		ents submitted with this closure report is true, accurate and complete to the best of my knowledge and th all applicable closure requirements and conditions specified in the approved closure plan.
Name (Print):	Etta Trujillo	Title: Operations/Regulatory Technician – Sr
Signature:	Etta Trujillo	Date: <u>7/28/2020</u>
e-mail address:	ettrujillo@hilcorp.com	Telephone: (505) 324-5161

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

Lease Name: Jicarilla C 2 API No.: 30-039-06542

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.

7/28/2020

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)

# Etta Trujillo

Smith, Cory, EMNRD <Cory.Smith@state.nm.us> From:

Thursday, December 19, 2019 1:54 PM

Sent:

Etta Trujillo

Tammy Jones

[EXTERNAL] RE: BGT Permit - Closure plan approval needed

Etta,

Subject:

ÿ ö

OCD approves he CP only for the "registered" permit found in the well file. Please include this approval in your Closure plan, as the original file will not be edited.

BGT 1 @ 30-039-06542

General Pit Information

Well: [30-039-06542] JICARILLA C #002

Facility:

Operator: [372171] HILCORP ENERGY COMPANY

Status: Active

Type: Production

Construction Material: Steel

District: Aztec

Fluid Type: Produced Water

Surface Owner: Jicarilla

County: Rio Arriba (39)

Location: M-11-26N-04W 540 FSL 570 FWL

Lat/Long: 36.49497,-107.22829 NAD83

Thank you,

Cory Smith

**Environmental Specialist** 

Oil Conservation Division

Energy, Minerals, & Natural Resources

1000 Rio Brazos, Aztec, NM 87410

# Etta Trujillo

From: Tammy Jones

Friday, December 20, 2019 10:57 AM Sent: ö

Martinez; Rod Velarde; Verinda Reval; 'Vicenti, Deedra'; 'annettetorivio@jicarillaoga.com'; 'Smith, Cory, EMNRD'; 'Whitney Thomas Fodd Osmera; Cascindra Harrison; orsonharrison@jicarillaoga.com; Jason Sandoval; Alfred Vigil Jr.; Kurt Sandoval; Marlena

- BLM (11thomas@blm.gov)'; 'Adeloye, Abiodun'; 'Durham, John, EMNRD'

Lisa Jones; Juanita Farrell; Bryan Hall; Lindsay Dumas; Etta Trujillo; Terry Nelson; Kurt Hoekstra; Ashton Hemphill; Travis Munkres;

JD Lorence

**Subject:** 

ö

72 Hour BGT Closure Notification - JICARILLA C 2

# Subject: 72 Hour BGT Closure Notification

Anticipated Start Date: Thursday, December 26th 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: JICARILLA C 2

API#: 3003906542

Location: Unit M (SWSW), Section 11, T26N, R04W

Footages: 540' FSL & 570' FWL

Operator: Hilcorp Surface Owner: JICARILLA (Lease #JIC101)

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
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources Department

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

Incident ID	
District RP	
Facility ID	
Application ID	

# **Release Notification**

## **Responsible Party**

					V	
Responsible Party Hilcorp Energy Company OGRID			OGRID	372171		
Contact Name Etta Trujillo Co			Contact T	Contact Telephone (505) 324-5161		
Contact email ettrujillo@hilcorp.com Inc			Incident #	(assigned by OCD)		
Contact mail	ling address	382 Road 3100	Aztec NM 8741	0		
			Location	of Release S	ource	
Latitude			Longitude (NAD 83 in deci	mal degrees to 5 decir	nal places)	
Site Name Ji	carilla C 2			Site Type	Gas Well	
Date Release	Discovered	N/A		API# (if ap)	plicable) 30-039-06542	?
Unit Letter	Section	Township	Range	Cour	nty	
M	11	26N	04W	Rio A	rriba	
					justification for the volum	
Crude Oi		Volume Release			Volume Recovered	
Produced	Water	Volume Release	· · ·		Volume Recovered (bbls)	
Is the concentration of dissolved chloride in produced water >10,000 mg/l?		loride in the	e in the Yes No			
Condensa	ate	Volume Release	d (bbls)		Volume Recovered (bbls)	
Natural Gas Volume Released (Mcf)			Volume Recovered (Mcf)			
Other (de	escribe)	Volume/Weight	Released (provide	units)	Volume/Weight Re	covered (provide units)
Cause of Rel		ed during the BGT (	Closure.			

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Incident ID	
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Facility ID	
Application ID	

Was this a major release as defined by	If YES, for what reason(s) does the response	onsible part	y consider this a i	najor release?
19.15.29.7(A) NMAC?				
Yes No	N/A			
If YES, was immediate no	otice given to the OCD? By whom? To w	whom? Whe	en and by what m	eans (phone, email, etc)?
Not Required				
	Initial F	Response	2	
The responsible	party must undertake the following actions immediat	tely unless they	could create a safety	hazard that would result in injury
☐ The source of the rele	ase has been stopped.			
☐ The impacted area ha	s been secured to protect human health an	d the enviro	nment.	
Released materials ha	we been contained via the use of berms or	dikes, abso	rbent pads, or oth	er containment devices.
All free liquids and re	ecoverable materials have been removed a	and managed	l appropriately.	
If all the actions described	d above have <u>not</u> been undertaken, explair	n why:		
has begun, please attach	AC the responsible party may commence a narrative of actions to date. If remedia at area (see 19.15.29.11(A)(5)(a) NMAC),	l efforts hav	e been successfu	illy completed or if the release occurred
	rmation given above is true and complete to the			
public health or the environr	required to report and/or file certain release no nent. The acceptance of a C-141 report by the	OCD does no	ot relieve the opera	tor of liability should their operations have
	ate and remediate contamination that pose a the f a C-141 report does not relieve the operator of			
Printed Name: Etta Tri	ıjillo Ti	itle:	Operations/Regu	latory Technician – Sr.
Signature:Etta	ı Trujillo	_ Date: _	7/28/2020	
email:	ettrujillo@hilcorp.com		Telephone:	(505) 324-5161
OCD Only				
Received by:		Date:	·	

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# **Site Assessment/Characterization**

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	(ft bgs)					
Did this release impact groundwater or surface water?	☐ Yes ☐ No					
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	Yes No					
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☐ No					
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	Yes No					
Are the lateral extents of the release 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?	☐ Yes ☐ No					
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☐ No					
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☐ No					
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☐ No					
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☐ No					
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☐ No					
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☐ No					
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	☐ Yes ☐ No					
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and ver contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	tical extents of soil					
Characterization Report Checklist: Each of the following items must be included in the report.						
Characterization Report Checklist: Each of the following items must be included in the report.  Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells. Field data Data table of soil contaminant concentration data Depth to water determination Determination of water sources and significant watercourses within ⅓2-mile of the lateral extents of the release Boring or excavation logs Photographs including date and GIS information Topographic/Aerial maps Laboratory data including chain of custody						

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

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

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State of New Mexico
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# **Remediation Plan**

Remediation Plan Checklist: Each of the following items must b	e included in the plan.
Detailed description of proposed remediation technique Scaled sitemap with GPS coordinates showing delineation poin Estimated volume of material to be remediated Closure criteria is to Table 1 specifications subject to 19.15.29. Proposed schedule for remediation (note if remediation plan times)	ts 12(C)(4) NMAC
<u>Deferral Requests Only</u> : Each of the following items must be con	ifirmed as part of any request for deferral of remediation.
Contamination must be in areas immediately under or around predeconstruction.	roduction equipment where remediation could cause a major facility
Extents of contamination must be fully delineated.	
Contamination does not cause an imminent risk to human health	n, the environment, or groundwater.
	e and remediate contamination that pose a threat to groundwater, acceptance of a C-141 report does not relieve the operator of
Printed Name:	Title:
Signature:	Date:
email:	Telephone:
0.000 0.1	
OCD Only	
Received by:	Date:
☐ Approved ☐ Approved with Attached Conditions of	Approval
Signature:	Date:

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Application ID	

# Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: Each of the following items must be included in the closure report.

☐ A scaled site and sampling diagram as described in 19.15.29.1	1 NMAC
Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	of the liner integrity if applicable (Note: appropriate OCD District office
☐ Laboratory analyses of final sampling (Note: appropriate ODC	District office must be notified 2 days prior to final sampling)
☐ Description of remediation activities	
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and ren human health or the environment. In addition, OCD acceptance of a compliance with any other federal, state, or local laws and/or regular restore, reclaim, and re-vegetate the impacted surface area to the con accordance with 19.15.29.13 NMAC including notification to the Oriented Name:	nediate contamination that pose a threat to groundwater, surface water, a C-141 report does not relieve the operator of responsibility for tions. The responsible party acknowledges they must substantially additions that existed prior to the release or their final land use in CD when reclamation and re-vegetation are complete.  Title:
Signature:	Date:
email:	Telephone:
OCD Only	
Received by:	Date:
	of liability should their operations have failed to adequately investigate and vater, human health, or the environment nor does not relieve the responsible or regulations.
Closure Approved by:	Date:
Printed Name:	Title:



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

January 08, 2020

Devin Hencmann HILCORP ENERGY PO Box 4700 Farmington, NM 87499

TEL: (505) 564-0733

**FAX** 

RE: Jicarilla C2 OrderNo.: 1912C85

#### Dear Devin Hencmann:

Hall Environmental Analysis Laboratory received 1 sample(s) on 12/27/2019 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to <a href="www.hallenvironmental.com">www.hallenvironmental.com</a> or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

### **Analytical Report**

Lab Order **1912C85** 

Date Reported: 1/8/2020

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: HILCORP ENERGY Client Sample ID: Comp A

 Project:
 Jicarilla C2
 Collection Date: 12/26/2019 10:25:00 AM

 Lab ID:
 1912C85-001
 Matrix: SOIL
 Received Date: 12/27/2019 7:55:00 AM

Analyses	Result	RL Qı	ıal Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH					Analys	: CFC
Petroleum Hydrocarbons, TR	ND	19	mg/Kg	1	1/2/2020	49577
EPA METHOD 300.0: ANIONS					Analyst	: MRA
Chloride	ND	60	mg/Kg	20	1/2/2020 12:56:26 PM	49590
EPA METHOD 8021B: VOLATILES					Analys	:: NSB
Benzene	ND	0.024	mg/Kg	1	12/30/2019 12:49:45 P	M 49537
Toluene	ND	0.049	mg/Kg	1	12/30/2019 12:49:45 P	M 49537
Ethylbenzene	ND	0.049	mg/Kg	1	12/30/2019 12:49:45 P	M 49537
Xylenes, Total	ND	0.098	mg/Kg	1	12/30/2019 12:49:45 P	M 49537
Surr: 4-Bromofluorobenzene	105	80-120	%Rec	1	12/30/2019 12:49:45 P	M 49537

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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# **QC SUMMARY REPORT**

# Hall Environmental Analysis Laboratory, Inc.

WO#: **1912C85** 

08-Jan-20

Client: HILCORP ENERGY

**Project:** Jicarilla C2

Sample ID: MB-49590 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 49590 RunNo: 65528

Prep Date: 1/2/2020 Analysis Date: 1/2/2020 SeqNo: 2251421 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride ND 1.5

Sample ID: LCS-49590 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 49590 RunNo: 65528

Prep Date: 1/2/2020 Analysis Date: 1/2/2020 SeqNo: 2251422 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride 14 1.5 15.00 0 93.8 90 110

#### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 2 of 4

# **QC SUMMARY REPORT**

# Hall Environmental Analysis Laboratory, Inc.

WO#: 1912C85

Qual

08-Jan-20

**Client:** HILCORP ENERGY

**Project:** Jicarilla C2

Analyte

Sample ID: MB-49577 SampType: MBLK TestCode: EPA Method 418.1: TPH

Client ID: PBS Batch ID: 49577 RunNo: 65531

Prep Date: 12/31/2019 Analysis Date: 1/2/2020 SeqNo: 2251151 Units: mg/Kg

Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual

Petroleum Hydrocarbons, TR ND 20

Sample ID: LCS-49577 SampType: LCS TestCode: EPA Method 418.1: TPH

Client ID: LCSS Batch ID: 49577 RunNo: 65531

Result

Prep Date: 12/31/2019 Analysis Date: 1/2/2020 SeqNo: 2251152 Units: mg/Kg

SPK value SPK Ref Val %REC **RPDLimit** 

LowLimit

HighLimit

%RPD

Petroleum Hydrocarbons, TR 110 20 100.0 0 110 62.5 123

Sample ID: LCSD-49577 SampType: LCSD TestCode: EPA Method 418.1: TPH

Client ID: LCSS02 Batch ID: 49577 RunNo: 65531

Prep Date: 12/31/2019 Analysis Date: 1/2/2020 SeqNo: 2251153 Units: mg/Kg

**PQL** SPK value SPK Ref Val %REC LowLimit %RPD **RPDLimit** Qual Analyte Result HighLimit

Petroleum Hydrocarbons, TR 100 100.0 104 62.5

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit ND
- POL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix

- Analyte detected in the associated Method Blank
- Value above quantitation range
- Analyte detected below quantitation limits
- Sample pH Not In Range
- Reporting Limit RL

Page 3 of 4

# **QC SUMMARY REPORT**

# Hall Environmental Analysis Laboratory, Inc.

WO#: **1912C85** 

08-Jan-20

Client: HILCORP ENERGY

**Project:** Jicarilla C2

Sample ID: mb-49537 SampType: MBLK TestCode: EPA Method 8021B: Volatiles Client ID: PBS Batch ID: 49537 RunNo: 65462 Prep Date: 12/27/2019 Analysis Date: 12/30/2019 SeqNo: 2249437 Units: mg/Kg Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Benzene ND 0.025 ND 0.050

 Toluene
 ND
 0.050

 Ethylbenzene
 ND
 0.050

 Xylenes, Total
 ND
 0.10

Surr: 4-Bromofluorobenzene 1.1 1.000 109 80 120

Sample ID: LCS-49537	SampType: LCS			TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batc	h ID: <b>49</b>	537	RunNo: <b>65462</b>						
Prep Date: 12/27/2019	Analysis [	Date: 12	2/30/2019	SeqNo: 2249438			49438 Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.98	0.025	1.000	0	97.7	80	120			
Toluene	0.97	0.050	1.000	0	96.9	80	120			
Ethylbenzene	0.97	0.050	1.000	0	97.3	80	120			
Xylenes, Total	2.9	0.10	3.000	0	98.1	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		111	80	120			

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

# Sample Log-In Check List

Client Name: HILCORP ENERGY FAR	Work Order Num	nber: 1912C85		RcptNo: 1
Received By: Leah Baca	12/27/2019 7:55:0	O AM	Lach Baca	
Completed By: Leah Baca	12/27/2019 8:27:5	6 AM	Look Baca	
Reviewed By: DAD 12/27/19			jum ja	
Chain of Custody				
1. Is Chain of Custody sufficiently complete?		Yes 🗹	No 🗌	Not Present
2. How was the sample delivered?		<u>Courier</u>		
Log In 3. Was an attempt made to cool the samples?		Yes 🗹	No 🗆	na 🗆
Were all samples received at a temperature of the samples received at the samples rece	of >0° C to 6.0°C	Yes 🗹	No 🗌	NA 🗌
5. Sample(s) in proper container(s)?		Yes 🗸	No 🗌	
6. Sufficient sample volume for indicated test(s)	?	Yes 🗹	No 🗌	
7. Are samples (except VOA and ONG) properly	preserved?	Yes 🗹	No 🗌	
8. Was preservative added to bottles?		Yes 🗌	No 🗹	NA 🗆
9. Received at least 1 vial with headspace <1/4"	for AQ VOA?	Yes 🗌	No 🗆	NA 🗹 🆊
<ol><li>Were any sample containers received broker</li></ol>	n?	Yes	No 🗹	# of preserved
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes 🗹	No 🗆	for pH:  (<2 or >12 unless noted)
2. Are matrices correctly identified on Chain of C	Custody?	Yes 🗸	No 🗆	Adjusted?
3. Is it clear what analyses were requested?		Yes 🗹	No 🗌	/ Vr . look
14. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes 🗹	No 🗆	Checked by: \[\(\mathbb{L}\)\[\(\mathbb{L}\)\[\mathbb{L}\]
Special Handling (if applicable)				1
15. Was client notified of all discrepancies with the	nis order?	Yes 🗌	No 🗆	na 🗹
Person Notified:	Date		5 (733) 738 (738) (738)	
By Whom:	Via:	☐ eMail ☐ F	Phone 🔲 Fax	In Person
Regarding:				
Client Instructions:				. 30.70
16. Additional remarks:				
17. Cooler Information  Cooler No Temp °C Condition Se  1 4.5 Good	al Intacti   Seal No	Seal Date	Signed By	

	HALL ENVIRONMENTAL  ANALYSIS LABORATORY	www.hallenvironmental.com	4901 Hawkins NE - Albuquerque, NM 87109	Tel. 505-345-3975 Fax 505-345-4107	Analysis	0	SIWS SOCB,8	0 / DRG / C 6082 F 7 (1.1) 1 (8270) 1 (8270)	GEG GEG GEG GEG GEG GEG GEG GEG GEG GEG	onsploidelici Pestici Metho Br, Mer Semi- Semi-	8081 F 8081 F FPHS RCRA RCRA CO (							Remarks: Chloride is cl-300	and mmrdjenateholtens, com	If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.
Turn-Around Time:	□ Standard ■ Rush 3 dc		Vicarilla C2	Project #:		Project Manager:	Devin Hencemann	Sampler: Mary Mirdiamol.ch		netucing CF): $\mathcal{C}_{1,2}\mathcal{C}_{2,2}=\mathcal{C}_{1,2}\mathcal{C}_{2}$	Container Preservative HEAL No.	100-					1	Two Wate 12219 1365	Received by: Via: Cowic Date Time	contracted to other accredited laboratories. This serves as notice of this poss
Chain-of-Custody Record	Client: Hilcorp theray		Mailing Address:		Phone #:	email or Fax#: Joumas@ hilcorp.com	QA/QC Package:  ■ Standard □ Level 4 (Full Validation)	☐ Az Con☐ Other	® EDD (Type)		Date Time Matrix Sample Name	Way 1025 S CompA						19 13.65	Date: Time: Relinquished by:	If necessary, samples submitted to Hall Environmental may be subo

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		Project #:		į		[el. 50	Tel. 505-345-3975	-3975	i,	Fax 50	505-345-4107	4107	2		
Phone #:								1	Inalys	is Re	<b>Analysis Request</b>				
email or Fax#:   dumas @ hi) corp con	il corp. com	Project Manager:	j.;	3		100			ÞΟ		(ju				
QA/QC Package: ☞ Standard □ Lew	} □ Level 4 (Full Validation)	Devin		Henemann	S08) s'			SIMIS	S ,₄Oq		i9sdA\t	<u></u>			
Accreditation:		Sampler: Maxへ On Ice: X Yes	I -/h	mrdjenovich	AMT \ AG\O	Z808/		)Y 827(	' <sup>2</sup> ON	(A					
☑ EDD (Type) - ₹짓F		# of Coolers:(1)				$\overline{}$									
		Cooler Temp <sub>(including</sub> ce): பு 	N	⊃\$ <i>15 ~</i> 2°0+			Metho	со уа 9М 8 <i>А</i>	Br, N	(AOV) -imə2)					
Date Time Matrix Samp	Sample Name	Container Pr	Preservative Type	HEAL NO.								<u>.                                    </u>			
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<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III
1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 9398

#### **CONDITIONS OF APPROVAL**

Operator:			OGRID:	Action Number:	Action Type:
HILCORP ENERGY COMPANY	1111 Travis Street	Houston, TX77002	372171	9398	C-144

OCD Reviewer	Condition
csmith	BGT 1 @ 30-039-06542