District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 State of New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-144 Revised April 3, 2017

For temporary pits, below-grade tanks, and multi-well fluid management pits, submit to the appropriate NMOCD District Office. For permanent pits submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

Pit, Below-Grade Tank, orProposed 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
\square Closure plan only submitted for an existing permitted or non-permitted pit, below-grade tank,
or proposed alternative method
Instructions: Please submit one application (Form C-144) per individual pit, below-grade tank or alternative request
Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.
Operator:DJR Operating, LLC OGRID #:371838
Address:PO BOX 156 Bloomfield, NM 87413
Facility or well name:Apache #001
API Number: 30-039-20083 OCD Permit Number: N/A
U/L or Qtr/Qtr P: SESection 18Township 23NRange 03WCounty: Rio Arriba
Center of Proposed Design: Latitude36.21907 Longitude107.19172 NAD83
Surface Owner: 🗌 Federal 🔲 State 🔲 Private 🖾 Tribal Trust or Indian Allotment
2.
<u>Pit</u> : Subsection F, G or J of 19.15.17.11 NMAC
Temporary: Drilling Workover
Permanent Emergency Cavitation P&A Multi-Well Fluid Management Low Chloride Drilling Fluid yes no
Lined Unlined Liner type: Thickness mil LLDPE HDPE PVC Other
String-Reinforced
Liner Seams: Welded Factory Other Volume: bbl Dimensions: L x W x D
3.
Below-grade tank: Subsection I of 19.15.17.11 NMAC
Volume:bbl Type of fluid:produced water
Tank Construction material:Fiberglass
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
4.
Alternative Method:
Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.
5.
Fencing: Subsection D of 19.15.17.11 NMAC (Applies to permanent pits, temporary pits, and below-grade tanks)
Chain link, six feet in height, two strands of barbed wire at top (<i>Required if located within 1000 feet of a permanent residence, school, hospital, institution or church</i>)
Four foot height, four strands of barbed wire evenly spaced between one and four feet
Alternate. Please specify

Oil Conservation Division

^{66.} <u>Netting</u> : Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks)	
Screen INetting I 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. <u>Siting Criteria (regarding permitting)</u> : 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.	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 ⊠ NA
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. (Does not apply to below grade tanks) - Written confirmation or verification from the municipality; Written approval obtained from the municipality	🗌 Yes 🗌 No
Within the area overlying a subsurface mine. (Does not apply to below grade tanks) - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	🗋 Yes 🗌 No
 Within an unstable area. (Does not apply to below grade tanks) Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map 	🗌 Yes 🗌 No
Within a 100-year floodplain. (Does not apply to below grade tanks) - FEMA map	🗌 Yes 🗌 No
Below Grade Tanks	
Within 100 feet of a continuously flowing watercourse, significant watercourse, lake bed, sinkhole, wetland or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	🗋 Yes 🖾 No
 Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption;. NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site 	🗌 Yes 🛛 No
Temporary Pit using Low Chloride Drilling Fluid (maximum chloride content 15,000 mg/liter)	
 Within 100 feet of a continuously flowing watercourse, or any other significant watercourse or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). (Applies to low chloride temporary pits.) Topographic map; Visual inspection (certification) of the proposed site 	🗋 Yes 🗍 No
Within 300 feet from a occupied permanent residence, school, hospital, institution, or church in existence at the time of initial application.	🗋 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
 Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. Visual inspection (certification) of the proposed site; Aerial photo; Satellite image 	🗋 Yes 🗋 No
 Within 500 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 1000 feet of any other fresh water well or spring, in the existence at the time of the initial application; NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site 	🗌 Yes 🗌 No
Within 300 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	🗋 Yes 🗋 No
Permanent Pit or Multi-Well Fluid Management Pit	
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	Yes 🗋 No
 Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. Visual inspection (certification) of the proposed site; Aerial photo; Satellite image 	🗋 Yes 🗌 No
Within 500 horizontal feet of a spring or a fresh water well used for domestic or stock watering purposes, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	🗌 Yes 🗌 No
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	🗌 Yes 🗌 No
 10. Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 N 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. Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Design Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19. and 19.15.17.13 NMAC 	cuments are
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 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 19.15.17.10 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC	
Previously Approved Design (attach copy of design) API Number: or Permit Number:	

N	
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 of 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 H₂S, 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 10 15 17 0 NMAC and 10 15 17 12 NMAC 	
Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC	
 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 Fl	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	
 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 	attached 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	Yes 🗌 No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance	

Oil Conservation Division

adopted pursuant to NMSA 1978, Section 3-27-3a as an ended. Write confirmation or verification from the municipality: Writen approval obtained from the municipality Ver No Writen confirmation or verification or mp from the NM EMNRD-Mining and Mineral Division Ver No Writen confirmation or verification or mp from the NM EMNRD-Mining and Mineral Division Ver No Writen confirmation or verification or mp from the NM EMNRD-Mining and Mineral Division Ver No Writen and 100-year fload/plain. FEMA map Per No FEMA map Per No Per No Sing Cites: Comparison: Encored the appropriate requirements of 19.15.17.11 NMAC Sing Cites: Comparison: Based upon the appropriate requirements of 19.15.17.11 NMAC Construction Design Plan of Turnoporary Pit (For inplate) based upon the appropriate requirements of 19.15.17.11 NMAC Construction Design Plan of Turnoporary Pit (For inplate) based upon the appropriate requirements of 19.15.17.11 NMAC Design Plan of Turnoporary Pit (For inplate) based upon the appropriate requirements of 19.15.17.11 NMAC Design Plan of Turnoporary Pit (For inplate) based upon the appropriate requirements of 19.15.17.11 NMAC DisposeDire: Simplify Plan - Design Upon the appropriate requirements of 19.15.17.11 NMAC Design Plan Structure Ministry Mitte appropriate requirements of 19.15.17.13 NMAC DisposeDire: Simplify Plan - Design Upon t		
Writen confirmation or verification or map from the NM EMNRD-Mining and Mineral Division Within a unstable area. Figure right area. Figure righ		Yes No
- Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic mp Within a 100-year floodplain FEMA map - TEMA map		Yes No
Willing 100-year floodplain.	- Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological	
On-Site Closure Plan Checklist: (19):1517:13 NMAC) Instructions: Each of the following items must be attached. by a check much in the box, that we attached. Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19:15:17:10 NMAC Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of Subsection 6 of 19:15:17:13 NMAC Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of Subsection 6 of 19:15:17:13 NMAC Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of 19:15:17:13 NMAC Construction/Design Plan of Implicable) based upon the appropriate requirements of 19:15:17:13 NMAC Construction/Design Plan of the appropriate requirements of 19:15:17:13 NMAC Construction/Design Plan of the appropriate requirements of 19:15:17:13 NMAC Bise Reclamation Plan - based upon the appropriate requirements of 19:15:17:13 NMAC Bise Reclamation Plan - based upon the appropriate requirements of 19:15:17:13 NMAC Bise Reclamation Plan - based upon the appropriate requirements of Subsection H of 19:15:17:13 NMAC Bise Reclamation Plan - based upon the appropriate requirements of Subsection H of 19:15:17:13 NMAC Bise Reclamation Plan - based upon the appropriate requirements of Subsection H of 19:15:17:13 NMAC Bise Reclamation Plan - based upon the appropriate requirements of Subsection H of 19:15:17:13 NMAC Bise Reclamation Plan - based upon the a	Within a 100-year floodplain.	
Operator Application Certification: I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief. Name (Print): Amy Accurate Signature:	On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plant by a check mark in the box, that the documents are attached. Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection E of 19.15.17.13 NMAC Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of Subsection K of 19.15.17. Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.13 NMAC Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of 19.15.17.13 NMAC Waste Material Sampling Plan - based upon the appropriate requirements of 19.15.17.13 NMAC Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards canntary Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC	11 NMAC 15.17.11 NMAC
I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief. Name (Print): Amy Annuleta Title: Regulatory Signature: Date: 4-9-18 e-mail address: aarchuleta@dirlle.com Telephone: 585-652-3476 x201 ^{18.} OCD Approval: Permit Application (in redding closure plan) O Closure Plan (bab) O CD Conditions (see attachment) OCD Representative Signature:		
e-mail address:	I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and beli Name (Print): <u>Amy Archuleta</u> Title: <u>Regulatory</u>	ief.
1%. OCD Approval: Permit Application (incoding closure oftat): ICosure Plan (only) OCD Conditions (see attachment) OCD Representative Signature:	Signature: Date: Date:	
OCD Approval: □ Permit Application (including closure plan) ☑ Closure Plan (bab) □ OCD Conditions (see attachment) OCD Representative Signature:	e-mail address:	
Closure Report (required within 60 days of closure completion): 19.15.17.13 NMAC Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed. 20. Closure Method: 21. Closure Report Attachment Checklist: Instructions: Each of the following items must be attached to the closure report. Please indicate, by a check mark in the box, that the documents are attached. Proof of Closure Notice (surface owner and division) Proof of Closure surface downer and division) Proof of Deed Notice (required for on-site closure for private land only) Plot Plan (for on-site closures and temporary pits) Confirmation Sampling Analytical Results (required for on-site closure) Disposal Facility Name and Permit Number Soil Backfilling and Cover Installation Required for on-site closure Cost Backfilling and Cover Installation Construction Researd Seeding Technique		
Closure Method: On-Site Closure Method Alternative Closure Method Waste Removal (Closed-loop systems only) If different from approved plan, please explain. 21. Closure Report Attachment Checklist: Instructions: Each of the following items must be attached to the closure report. Please indicate, by a check mark in the box, that the documents are attached. Proof of Closure Notice (surface owner and division) Proof of Deed Notice (required for on-site closure for private land only) Plot Plan (for on-site closures and temporary pits) Confirmation Sampling Analytical Results (if applicable) Waste Material Sampling Analytical Results (required for on-site closure) Disposal Facility Name and Permit Number Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique Site Reclamation (Photo Documentation)	OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature:	25/18
Waste Excavation and Removal On-Site Closure Method Alternative Closure Method Waste Removal (Closed-loop systems only) If different from approved plan, please explain. 21. Closure Report Attachment Checklist: Instructions: Each of the following items must be attached to the closure report. Please indicate, by a check mark in the box, that the documents are attached. Proof of Closure Notice (surface owner and division) Proof of Deed Notice (required for on-site closure for private land only) Plot Plan (for on-site closures and temporary pits) Confirmation Sampling Analytical Results (if applicable) Waste Material Sampling Analytical Results (required for on-site closure) Disposal Facility Name and Permit Number Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique Site Reclamation (Photo Documentation) —	OCD Approval: Permit Application (incoding closure plan) Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature:	
Closure Report Attachment Checklist: Instructions: Each of the following items must be attached to the closure report. Please indicate, by a check mark in the box, that the documents are attached. Proof of Closure Notice (surface owner and division) Proof of Deed Notice (required for on-site closure for private land only) Plot Plan (for on-site closures and temporary pits) Confirmation Sampling Analytical Results (if applicable) Waste Material Sampling Analytical Results (required for on-site closure) Disposal Facility Name and Permit Number Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique Site Reclamation (Photo Documentation)	OCD Approval: Permit Application (incoding closure plan) Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature:	
	OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature:	t complete this

Oil Conservation Division

²²² <u>Operator Closure Certification</u> : I hereby certify that the information and attachments submitted with this closure report belief. I also certify that the closure complies with all applicable closure requirements	
Name (Print):	Title:
Signature:	Date:
e-mail address:	Telephone:

•

BELOW GRADE TANK (BGT) CLOSURE PLAN

Site Name: Apache #001

<u>BGT 1</u>

API No. 30-039-20083 Unit Letter: "P", Section 18, T23N-R03W Rio Arriba County, NM Latitude 36.21907 Longitude -107.19172

Submitted By:

Amy Archuleta DJR Operating, LLC PO BOX 156 Bloomfield, NM 87413 (505) 632-3476 x201

April 9, 2018

Attachments

Figure 1: Topographic Site Location Map

Figure 2: Aerial Site Map

Figure 3: PRRC NMOSE Well Vicinity Map

Below Grade Tank (BGT) Closure Plan DJR Operating, LLC Apache #001, API No. 30-039-20083 Unit Letter: "P" SE/SE Section: 18-T23N-R03W Latitude 36.21907Longitude -107.19172

Closure Plan:

In accordance with 19.15.17.13 NMAC, the following plan describes the closure requirements of the existing Below Grade Tank (BGT) at the **Apache #001** well site owned and operated by DJR Operating, LLC (DJR).

Site Information

Location

Legal Description – Unit P (SE¼ SE¼), Section 18, T23N, R3W, Rio Arriba County, New Mexico

Latitude/Longitude - N36.21907 and W-107.19172, respectively

Land Jurisdiction – Jicarilla Apache Nation

NMOCD Siting Critieria

- Depth to Groundwater: The location is 161 feet higher than Chacon Canyon, located 0.9 miles south of the location. Based on elevation, topographic interpretation and visual reconnaissance, depth to groundwater is interpreted to be greater than 100 feet below ground surface; see Figure 1 Topographic Site Location Map. Additional depth to groundwater information is illustrated on Figure 3 using a New Mexico Office of the State Engineer (OSE) well location reported on the Petroleum Recovery Research Center (PRRC) web mapping portal.
- Wellhead Protection Area: The location is not within a wellhead protection area.
- Distance to Surface Water Body: Unnamed dry wash is located approximately 1,505 feet east of the location; see Figure 1 Topographic Site Location Map.

Soil Sampling and Laboratory Analytical Reports

DJR shall test the soils beneath the BGT as follows:

1) At a minimum, a five-point composite sample to include any obvious stained or wet soils, or other evidence of contamination shall be taken under the liner or BGT and that sample(s) shall be analyzed for constituents listed in Table 1 of 19.15.17.13 NMAC (below).

- If any contaminant concentration is higher than the parameters listed in Table 1 of 19.15.17.13 NMAC (below) the division may require additional delineation upon review of the results and DJR must obtain approval before proceeding with closure.
- 3) If all contaminant concentrations are less than or equal to the parameters listed in Table 1 of 19.15.17.13 NMAC (below), then DJR may proceed to backfill the excavation with non-waste containing, uncontaminated, earthen material.

	or Soils Beneath Belov	able I v-Grade Tanks, Drying Pads A its where Contents are Remov	
Depth below bottom of pit to groundwater less than 10,000 mg/1 TDS	Constituent	Method *	Limit" •
	Chloride	EPA 300.0	600 mg/kg
	ТРН	EPA SW-846 Method 418.1	100 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
F	Benzene	EPA SW-846 Mahod 8021B or 8015M	10 mg/kg
	Chloride	EPA 300.0	10,000 mg/kg
51 feet-100 feet	TPH	EPA SW-846 Method 418.1	2,500 mg/kg
	GRO+DRO	EPA SW-846 Method 8015M	1,000 mg/kg
-	BTE X	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8015M	10 mg/kg
	Chloride	EPA 300.0	20,000 mg/kg
- > 100 feet	TPH	EPA SW-846 Method 418.1	2,500 mg/kg
	GRO+DRO	EPA SW-846 Method 8015M	1,000 mg/kg
. Г	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8015M	10 mg/kg

*Or other test methods approved by the division

**Numerical limits or natural background level, whichever is greater

Waste Disposal

DJR shall dispose of solid wastes at Industrial Ecosystems division permitted land farm (Permit No. NM-01-0010B) or Envirotech's division permitted land farm (Permit No. NM-01-0011). Liquid wastes shall be disposed of at Basin Disposal (Permit No. NM01-005) in Bloomfield, NM or AquaMoss (Permit No. SW10-34-A) in Bloomfield, NM.

Below Grade Tank (BGT) Closure Plan DJR Operating, LLC Apache #001, API No. 30-039-20083 Unit Letter: "P" SE/SE Section: 18-T23N-R03W Latitude 36.21907Longitude -107.19172

Timing and Requirements and Closure Methods for Below-Grade Tanks

- 1. Within 60 days of conclusion of operations, DJR shall remove liquids and sludge from the BGT prior to implementing a closure method and shall dispose of liquids and sludge in a division-approved facility.
- 2. Within six (6) months of conclusion of operations, DJR shall remove the BGT and dispose of it in a division-approved facility or recycle, reuse, or reclaim it in a manner that the appropriate district office approves. If there is any equipment associated with the BGT, then DJR shall remove the equipment, unless the equipment is required for some other purpose.
- 3. DJR shall notify the surface owner by certified mail, return receipt requested, by hand delivered and surface owner signed letter, or if surface is owned by Bureau of Land Management (BLM), by sundry notice, that DJR plans closure operations at least 72 hours, but not more than one week, prior to any closure operation. Notice shall include operator name, facility name, NMOCD permit number (if given), and location to be closed by unit letter, section, township, and range.
- 4. DJR shall notify the NMOCD, District 3-Aztec Office, that DJR plans closure operations, via email, at least 72 hours, but not more than one week, prior to any closure operation. Notice shall include operator name, facility name, NMOCD permit number (if given), and location to be closed by unit letter, section, township, and range.

Reclamation of BGT Locations

- 1. Once the area associated with the BGT is no longer in use, DJR shall reclaim the BGT location and all areas associated with the BGT including associated access roads to a safe and stable condition that blends with the surrounding undisturbed area. DJR shall substantially restore the impacted surface area to the condition that existed proper to oil and gas operations by placement of soil cover as provided in Paragraph (2) in Subsection H of 19.15.17.13 NMAC, recontour the location and associated areas to a contour that approximates the original contour and blends with the surrounding topography and revegetate according to Paragraph (5) in Subsection H of 19.15.17.13 NMAC.
- 2. DJR shall replace topsoil and subsoil to their original relative position and contoured to achieve erosion control, long term stability, and preservations of surface water flow patterns. The disturbed area shall be reseeded in the first favorable growing season following the closure of the facility.

Below Grade Tank (BGT) Closure Plan DJR Operating, LLC Apache #001, API No. 30-039-20083 Unit Letter: "P" SE/SE Section: 18-T23N-R03W Latitude **36.21907**Longitude -107.19172

- 3. Reclamation of all disturbed areas no longer in use shall be considered complete when all ground surface disturbing activities at the facility have been completed, and 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 of percent plant cover of at least seventy percent (70%) of pre-disturbance levels, excluding noxious weeds.
- 4. In areas reasonably needed for facility operations, DJR shall compact, cover, pave, or otherwise stabilize and maintain the areas in such a way as to minimize dust and erosion to the extent practicable.

Closure Report

- Within 60 days of closure completion, DJR shall submit a closure report on Form C-144, with necessary attachments to document all closure activities including sampling results; information on back-filling, and covering, where applicable. In the closure report, DJR shall certify that DJR has complied with all applicable closure requirements and conditions specified in the closure plan.
- 2. The closure report will include the following:
 - a. Proof of closure notice to surface owner and NMOCD;
 - b. Back-filling and cover installation with photos;
 - c. Analytical results of confirmation sampling;
 - d. Disposal facility name(s) and permit number(s)





