District I 1625 N French Dr , Hobbs, NM 88240

1301 W Grand Ave , Artesia, NM 88210 Dis

Energy Minerals and Natural Resources Department

Oil Conservation Division

State of New Mexico

Form C-144 July 21, 2008

For temporary pits, closed-loop sytems, and below-grade tanks, submit to the appropriate NMOCD District Office.

9913

District III	1220 South St	. Francis Dr.	
1000 R10 Brazos Rd , Aztec, NM 87410 District IV	Santa Fe, N	M 87505	For permanent pits and exceptions submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.
1220 S St Francis Dr , Santa Fe, NM 87505	t, Closed-Loop Syste	m Polovy Gro	do Tank, or
_			
A 7 Propose	d Alternative Method	i remin or Cio	sure Plan Application
Type of action: X	Permit of a pit, closed-loop s	ystem, below-grade	tank, or proposed alternative method
Ĭ	Closure of a pit, closed-loop	system, below-grade	tank, or proposed alternative method
	Modification to an existing p	ermit	
	Closure plan only submitted below-grade tank, or propose	~ .	itted or non-permitted pit, closed-loop system,
Instructions: Please submit one appli	cation (Form C-144) per indi	ividual pit, closed-lo	op system, below-grade tank or alternative request
	•	•	result in pollution of surface water, ground water or the
environment. Nor does approval relieve t	ne operator of its responsibility to comp	y with any other applicabl	e governmental authority's rules, regulations or ordinances
Operator: Burlington Resources Oil &	Gas Company, LP		OGRID#: <u>14538</u>
Address: PO Box 4289, Farmington, N	NM 87499		
Facility or well name: Huerfano Unit 1	10E		
API Number: 30-04	15-26278	OCD Permit Numb	per:
U/L or Qtr/Qtr: H(SE/NE) Section:	3 Township: 26N	N Range:	10W County: San Juan
Center of Proposed Design: Latitude:	36.5193 °N	Longitude:	107.87788 °W NAD: X 1927 1983
Surface Owner: X Federal	State Private	Tribal Trust or India	an Allotment
2			
Pit: Subsection F or G of 19 15 17 11	NMAC		RCVD APR 26 '12
Temporary Drilling Workove			OIL CONS. DIV.
Permanent Emergency Cavit			
Lined Unlined Liner		nıl LLDPE	HDPE PVC Other
String-Reinforced			
	ry Other	37.1	bbl Domenson I III D
Liner Seams Welded Factor	y U Other	Volume	bbl Dimensions Lx Wx D
3 Subsection	H of 19.15 17.11 NMAC		
	·	•	o activities which require prior approval of a permit or
Drying Pad X Above Ground S	Steel Tanks Haul-off Bins	Other	
Lined Unlined Liner typ	oe. Thicknessmi	II LLDPE	HDPE PVD Other
Liner Seams: Welded Factor	ry Other		

Below-grade tank: Subsecti	on I of 19.1	5.17.11 NMAC					
Volume ⁻	bbl	Type of fluid					
Tank Construction material:				_			
Secondary containment with leal	k detection	Visible sid	iewalls, liner, 6-	inch lift and automa	atic overflow shu	t-off	
Visible sidewalls and liner	_ \ \	isible sidewalls only	Other				_
Liner Type Thickness	mi	I HDPE	PVC	Other			

Alternative Method:

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

Encing: Subsection D of 19 15.17 11 NMAC (Applies to permanent pit, 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, instance of the light, four strands of barbed wire evenly spaced between one and four feet Alternate Please specify	titution or chi	rch)
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)		
Signs: Subsection C of 19.15 17 11 NMAC 12" X 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers X Signed in compliance with 19 15 3 103 NMAC		
Administrative Approvals 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: Administrative approval(s) Requests must be submitted to the appropriate division district of the Santa Fe Environmental Bureau office for consideration of approval Exception(s) Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval	sideration of ap	pproval
Siting Criteria (regarding permitting) 19.15.17.10 NMAC Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptable source material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau Office for consideration of approval. Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria does not apply to drying pads or above grade-tanks associated with a closed-loop system.		
Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank. - NM Office of the State Engineer - iWATERS database search; USGS, Data obtained from nearby wells	Yes	No
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other 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.	Yes	No
(Applies to temporary, emergency, or cavitation pits and below-grade tanks) - Visual inspection (certification) of the proposed site; Aerial photo, Satellite image	□NA	
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. (Applied to permanent pits) - Visual inspection (certification) of the proposed site, Aerial photo; Satellite image	Yes NA	No
Within 500 horizonal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application.	Yes	No
- NM Office of the State Engineer - iWATERS database search; 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 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 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map, Visual inspection (certification) of the proposed site	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	Yes	No
Within a 100-year floodplain - FEMA map	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. Under solve the Popular Challenge and Tanks beside your the configuration of Popular than 19 19 15 17 9 10 15 17 9 10 15 17 9 10 15 17 9 10 10 10 10 10 10 10
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
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
12
Closed-loop Systems 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.
Geologic and Hydrogeologic Data (only for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of 19.15.17.9
String Criteria Compliance Demonstrations (only for on-site closure) - based upon the appropriate requirements of 19.15.17.10 NMAC
X Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
X Operating and Maintenance Plan - based upon the appropriate requirements of 19 15.17 12 NMAC
X 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
Previously Approved Operating and Maintenance Plan API
13
Permanent Pits Permit Application Checklist: Subsection B of 19 15.17 9 NMAC
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.
Hydrogeologic Report - based upon the requirements of Paragraph (I) 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 19 15.17 9 NMAC and 19.15 17.13 NMAC
14
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 X P&A Permanent Pit Below-grade Tank X Closed-loop System
Alternative
Proposed Closure Method Waste Excavation and Removal
X Waste Removal (Closed-loop systems only)
On-site Closure Method (only for temporary pits and closed-loop systems)
In-place Burial On-site Trench
Alternative Closure Method (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration)
Waste Excavation and Removal Closure Plan Checklist: (19 15 17 13 NMAC) Instructions: Each of the following items must be attached to the closure plan.
Please indicate, by a check mark in the box, that the documents are attached.
Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC
Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F 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 I of 19.15.17.13 NMAC
Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

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16 Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only; (19.15.17.13 D NMAC)	
Instructions. Please identify the facility or facilities for the disposal of liquids, drilling fluids and drill cuttings—Use attachment if more than two facilities are required	
Disposal Facility Name: Envirotech / JFJ Landfarm % IEI Disposal Facility Permit #: NM-01-0011 / NM-01-0	010B
Disposal Facility Name. Basin Disposal Facility Disposal Facility Permit # NM-01-005	
Will any of the proposed closed-loop system operations and associated activities occur on or in areas that will not be used for future Yes (If yes, please provide the information No	service and
Required for impacted areas which will not be used for future service and operations	
Soil Backfill and Cover Design Specification - based upon the appropriate requirements of Subsection H of 19.15 17 13 NM. Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19 15 17 13 NMAC	AC .
Ste Reclamation Plan - based upon the appropriate requirements of Subsection G of 19 15.17.13 NMAC	
17	
Siting Criteria (Regarding on-site closure methods only: 19.15 17 10 NMAC	
Instructions—Each siting criteria requires a demonstration of compliance in the closure plan—Recommendations of acceptable source material are provided certain siting criteria may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to	
office for consideration of approval Justifications and/or demonstrations of equivalency are required. Please refer to 19 15.17.10 NMAC for guidance	
Ground water is less than 50 feet below the bottom of the buried waste.	Yes No
- NM Office of the State Engineer - tWATERS database search, USGS: Data obtained from nearby wells	N/A
Ground water is between 50 and 100 feet below the bottom of the buried waste	Yes No
- NM Office of the State Engineer - IWATERS database search, USGS, Data obtained from nearby wells	∐N/A
Ground water is more than 100 feet below the bottom of the buried waste	Yes No
- NM Office of the State Engineer - (WATERS database search; USGS, Data obtained from nearby wells	N/A □
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).	Yes No
- 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
ristal inspection (continuation) of the proposed site, from photo, sateline image	☐Yes ☐No
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal fee of any other fresh water well or spring, in existence at the time of the initial application	
- NM Office of the State Engineer - tWATERS database, 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 adopted pursuant to NMSA 1978, Section 3-27-3, as amended	Yes No
Written confirmation or verification from the municipality, Written approval obtained from the municipality Within 500 feet of a wetland	
- US Fish and Wildlife Wetland Identification map, Topographic map, Visual inspection (certification) of the proposed site	Yes No
Within the area overlying a subsurface mine	Yes No
- Written confirantion 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.	Yes No
Topographic map	
Within a 100-year floodplain - FEMA map	Yes No
18	
On-Site Closure Plan Checklist: (1915 1713 NMAC) Instructions: Each of the following items must bee attached to the closby a check mark in the box, that the documents are attached.	ure plan. Please indicate,
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 F of 19 15 17 13 NMAC	
Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of 19 15 17 11 NMAC	
Construction/Design Plan of Temporary Pit (for in place burial of a drying pad) - based upon the appropriate requirements of	19 15 17 11 NMAC
Protocols and Procedures - based upon the appropriate requirements of 19 15 17 13 NMAC	
Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19 15 17 13 NMAC	
Waste Material Sampling Plan - based upon the appropriate requirements of Subsection F of 19 15 17.13 NMAC	sannat ha ashiawad
 Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards of Soil Cover Design - based upon the appropriate requirements of Subsection H of 19 15 17 13 NMAC 	zamot de achieved)
Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19 15 17 13 NMAC	
Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15 17 13 NMAC	

19 Constant April 2015 Continue Continu
Operator Application Certification: Thereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief.
Name (Print) CRYSTAL TAFOYA , Title. STAFF REGULATORY TECHNICIAN
Signature: Date 4/25/12
e-mail address. crystal tafoya@conocoptallips com Telephone. (505) 326-9837
OCD Approval: Permit Application (including closure plan) closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature: Approval Date: Plan (only) OCD Permit Number: O
Closure Report (required within 60 days of closure completion): Subsection K of 19 15 17 13 NMAC Instructions Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed. Closure Completion Date:
22
Closure Method: Waste Excavation and Removal On-site Closure Method Alternative Closure Method Waste Removal (Closed-loop systems only) If different from approved plan, please explain
23
Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: Instructions: Please identify the facility or facilities for where the liquids, drilling fluids and drill cuttings were disposed. Use attachment if more than two facilities
were utilized.
Disposal Facility Name Disposal Facility Permit Number
Disposal Facility Name. Disposal Facility Permit Number
Were the closed-loop system operations and associated activities performed on or in areas that will not be used for future service and operations?
Yes (If yes, please demonstrate compliane to the items below)
Required for impacted areas which will not be used for future service and operations. Site Reclamation (Photo Documentation)
Soil Backfilling and Cover Installation
Re-vegetation Application Rates and Seeding Technique
24
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) Plot Plan (for on-site closures and temporary pits)
Confirmation Sampling Analytical Results (if applicable) Waste Material Sampling Analytical Results (if applicable)
Disposal Facility Name and Permit Number
Soil Backfilling and Cover Installation
Re-vegetation Application Rates and Seeding Technique
Ste Reclamation (Photo Documentation)
On-site Closure Location. Latitude: Longitude. NAD 1927 1983
Operator Closure Cartification
Operator Closure Certification: I hereby certify that the information and attachments submitted with this closure report is ture, accurate and complete to the best of my knowledge and belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.
Name (Print) Title.
Signature Date Tolophore:

Burlington Resources Oil & Gas Company, LP Closed-loop Plans

Closed-loop Design Plan

BR's closed loop system will not entail a drying pad, temporary pit, below grade tank or sump. It will include an above ground tank suitable for holding the cuttings and fluids for rig operations. The tank will be sufficient volume to maintain a safe free board between disposal of the liquids and solids from rig operations.

- 1. Fencing is not required for an above ground closed-loop system
- 2. It will be signed in compliance with 19.15.3.103 NMAC
- 3. A frac tank will be on location to store fresh water

Closed-loop Operating and Maintenance Plan

BR's closed-loop tank will be operated and maintained to contain liquids and solids in order to prevent contamination of fresh water sources, in order to protect public health and the environment. To ensure the operation is maintained the following steps will be followed:

- 1. The liquids will be vacuumed out and disposed of at the Basin Disposal facility (Permit # NM-01-005) or JFJ Landfarm % Industrial Ecosystem Inc. (Permit # NM-01-0010B). Solids in the closed-loop tank will be vacuumed out and disposed of at Envirotech (Permit # NM-01-0011) or JFJ Landfarm % Industrial Ecosystem Inc. (Permit # NM-01-0010B) on a periodic basis to prevent over topping.
- 2. No hazardous waste, miscellaneous solid waste or debris will be discharged into or stored in the tank. Only fluids or cutting used or generated by rig operations will be placed or stored in the tank.
- 3. The division district office will be notified within 48 hours of the discovery of compromised integrity of the closed-loop tank. Upon the discovery of the compromised tank, repairs will be enacted immediately

Closed-loop Closure Plan

The closed-loop tank will be closed in accordance with 19.15.17.13. This will be done by transporting cuttings and all remaining sludges to Envirotech (Permit # NM-01-0011) or JFJ Landfarm % Industrial Ecosystem Inc. (Permit # NM-01-0010B) immediately following rig operations. All remaining liquids will be transported and disposed of in the Basin Disposal facility (Permit # NM-01-005) or JFJ Landfarm % Industrial Ecosystem Inc. (Permit # NM-01-0010B). The tanks will be removed from the location as part of the rig move. At time of well abandonment, the site will be reclaimed and re-vegetated to pre-existing conditions when possible.