District I

1625 N French Dr , Hobbs, NM 88240

District II

1301 W Grand Ave , Artesia, NM 88210

1000 Rio Brazos Rd, 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

July 21, 2008 For temporary pits, closed-loop sytems, and below-grade

Form C-144

tanks, submit to the appropriate NMOCD District Office

For permanent pits and exceptions submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

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1220 3 St. Francis Dr., Sanita Te, Niv. 67303
Pit, Closed-Loop System, Below-Grade Tank, or
Proposed Alternative Method Permit or Closure Plan Application
Type of action: X Permit of a pit, closed-loop system, below-grade tank, or proposed alternative method
Closure of a pit, closed-loop system, below-grade tank, or proposed alternative method
Modification to an existing permit
Closure plan only submitted for an existing permitted or non-permitted pit, closed-loop system, below-grade tank, or proposed alternative method
Instructions: Please submit one application (Form C-144) per individual pit, closed-loop system, below-grade tank or alternative request
Please be advised that approval of this request does not relieve the operator of hability 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: Burlington Resources Oil & Gas Company, LP OGRID#: 14538
Address: PO Box 4289, Farmington, NM 87499
Facility or well name: San Juan 28-6 Unit 210M
API Number: 30-039-25756 OCD Permit Number
U/L or Qtr/Qtr: F(SE/NW) Section: 31 Township: 28N Range: 6W County: Rio Arriba
Center of Proposed Design: Latitude: 36.62027 °N Longitude: 107.51214 °W NAD: X 1927 1983
Surface Owner: X Federal State Private Tribal Trust or Indian Allotment
Pit: Subsection F or G of 19 15 17 11 NMAC  Temporary
4
Below-grade tank: Subsection I of 19 15 17 11 NMAC
Volume bbl Type of fluid  Tank Construction material
Secondary containment with leak detection Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off
Visible sidewalls and liner Visible sidewalls only Other
Liner Type. Thicknessmil HDPE PVC Other
5  Alternative Method:  Submittal of an exception request is required Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

Fencing: 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, institution or church)  Four foot height, four strands of barbed wire evenly spaced between one and four feet  Alternate Please specify				
7				
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)				
8				
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				
A signed at complainte with 12 12 2 102 titleto				
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 constants.	sideration of approval			
(Fencing/BGT Liner)	nderation of approvat			
Exception(s) Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval				
10				
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)	□NA			
- Visual inspection (certification) of the proposed site, Aerial photo; Satellite image				
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.	Yes No			
(Applied to permanent pits)  - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	∐NA			
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.	Ycs 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	Yes No			
<ul> <li>Written confirmation or verification from the municipality; Written approval obtained from the municipality</li> <li>Within 500 feet of a wetland.</li> <li>US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site</li> </ul>	Yes No			
Within the area overlying a subsurface mine.	Yes No			
- Written confirmation or verification or map from the NM EMNRD - Mining and Mineral Division				
<ul> <li>Within an unstable area.</li> <li>Engineering measures incorporated into the design, NM Bureau of Geology &amp; Mineral Resources, USGS, NM Geological Society, Topographic map</li> </ul>	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				
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				
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				
Siting 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				
Permanent Pits Permit Application Checklist:  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  Sting 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  Luner 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 XP&A Permanent Pit Below-grade Tank X Closed-loop System				
Alternative   Proposed Closure Method				
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)				
15				
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 of	or Haul-off Rins Only: (19 15 17 13 D NMAC)	
Instructions: Please identify the facility or facilities for the disposal of liquids, drilling fluids and facilities are required		
	Facility Permit #. NM-01-0011 / NM-01-0010B	
	Facility Permit # NM-01-005	
Will any of the proposed closed-loop system operations and associated activities occur of	<u> </u>	
Yes (If yes, please provide the information No  Required for impacted areas which will not be used for future service and operations		
Soil Backfill and Cover Design Specification - based upon the appropriate requir	rements of Subsection H of 19 15 17 13 NMAC	
Re-vegetation Plan - based upon the appropriate requirements of Subsection I of		
Site Reclamation Plan - based upon the appropriate requirements of Subsection (	3 of 19 15 17 13 NMAC	
Siting Criteria (Regarding on-site closure methods only: 19 15 17 10 NMAC Instructions Each stung criteria requires a demonstration of compliance in the closure plan Recomme certain siting criteria may require administrative approval from the appropriate district office or may be office for consideration of approval Justifications and/or demonstrations of equivalency are required	e considered an exception which must be submitted to the Santa Fe	
Ground water is less than 50 feet below the bottom of the buried waste	Yes	
- NM Office of the State Engineer - tWATERS database search, USGS Data obtained from	n nearby wells	`
Ground water is between 50 and 100 feet below the bottom of the buried waste	Yes	
- NM Office of the State Engineer - iWATERS database search, USGS; Data obtained from	nearby wells	`
Ground water is more than 100 feet below the bottom of the buried waste	Yes	- L-1
- NM Office of the State Engineer - tWATERS database search, USGS, Data obtained from	nearby wells	`
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant water (measured from the ordinary high-water mark)	course or lakebed, sinkhole, or playa lake	s No
- Topographic map, Visual inspection (certification) of the proposed site		
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence a  - Visual inspection (certification) of the proposed site, Aerial photo, satellite image	at the time of initial application Yes	sNo
	Yes	s No
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five hor purposes, or within 1000 horizontal fee of any other fresh water well or spring, in existence at the - NM Office of the State Engineer - iWATERS database, Visual inspection (certification) of	e time of the initial application	
Within incorporated municipal boundaries or within a defined municipal fresh water well field co pursuant to NMSA 1978, Section 3-27-3, as amended		s No
<ul> <li>Written confirmation or verification from the municipality, Written approval obtained from Within 500 feet of a wetland</li> </ul>	the municipanty	По
- US Fish and Wildlife Wetland Identification map, Topographic map, Visual inspection (cer		
Within the area overlying a subsurface mine	Yes	s No
- Written confirantion or verification or map from the NM EMNRD-Mining and Mineral Div	zision	
Within an unstable area	∐Yes	iNo
<ul> <li>Engineering measures incorporated into the design, NM Bureau of Geology &amp; Mineral Res Topographic map</li> </ul>	ources; USGS; NM Geological Society;	
Within a 100-year floodplain - FEMA map	Yes	i No
18		
On-Site Closure Plan Checklist: (19 15 17 13 NMAC) Instructions: Each of the forby a check mark in the box, that the documents are attached.	ollowing items must bee attached to the closure plan. Po	lease indicate,
Siting Criteria Compliance Demonstrations - based upon the appropriate require	ments of 19 15 17 10 NMAC	
Proof of Surface Owner Notice - based upon the appropriate requirements of Sul	bsection F of 19 15 17 13 NMAC	
Construction/Design Plan of Burial Trench (if applicable) based upon the approp	priate 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		
Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot be achieved)  Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15 17 13 NMAC		
Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19 15 17.13 NMAC		
Site Reclamation Plan - based upon the appropriate requirements of Subsection		

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19 Operator Application Contification				
Operator Application Certification:  1 hereby certify that the information submitted with this application is true, accurate a	and complete to the best of my knowledge and belief			
Name (Print) Dolling Busson	Title Staff Regulatory Technician			
Signature / Mills Quale	Date 9/18/12			
e-mail address dollie I busse@conocophillips.com	Telephone 505-324-6104			
20   OCD Approval:	Aosure Plan (only) OCD Conditions (see attachment)			
	06 1- 0			
OCD Representative Signature:	Approval Date: 1/20/20			
Title: (om Diance ) Office	OCD Permit Number:			
	- V			
Cleans Depart (required within 60 days of June 20 June	V. 400 K IT 13 Y 14 O			
Closure Report (required within 60 days of closure completion): Subsection Instructions Operators are required to obtain an approved closure plan prior to im				
report is required to be submitted to the division within 60 days of the completion of				
approved closure plan has been obtained and the closure activities have been compl	Closure Completion Date:			
22 Cleave Method				
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	The matter closure method			
23 Closure Report Regarding Waste Removal Closure For Closed-loop Systems Th	ant Utilize Ahove Ground Steel Tanks or Haul-off Rins Only			
Instructions: Please identify the facility or facilities for where the liquids, drilling j				
were utilized.	D' LE LO AND L			
Disposal Facility Name Disposal Facility Name	Disposal Facility Permit Number			
Were the closed-loop system operations and associated activities performed on or	Disposal Facility Permit Number  in areas that will not be used for future service and opeartions?			
Yes (If yes, please demonstrate compliane to the items below)	•			
Required for impacted areas which will not be used for future service and operat	tions			
Site Reclamation (Photo Documentation)				
Soil Backfilling and Cover Installation				
Re-vegetation Application Rates and Seeding Technique				
Clasura Panart Attachment Charlists Instructions: Each of the following	ig items must be attached to the closure report. Please indicate, by a check mark in			
the box, that the documents are attached.	ig nems must be anached to the closure report. I tease malcale, by a check mark in			
Proof of Closure Notice (surface owner and division)				
Proof of Decd 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				
Site Reclamation (Photo Documentation)				
On-site Closure Location Latitude	Longitude NAD 1927 1983			
25				
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			
e-mail address	Telephone.			

## 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.