<u>District I</u> 1625 N French Dr , Hobbs, NM 88240

District IV

District II
1301 W Grand Ave , Artesia, NM 88210
District III
1000 Rio Brazos Rd , Aztec, NM 87410

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 July 21, 2008

For temporary pits, closed-loop sytems, and below-grade 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

-	Pit, Closed-Loop System, Below-Grade Tank, or
101	Proposed Alternative Method Permit or Closure Plan Application
10401	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 metho
	Modification to an existing permit

Instructions: Please submit one application (Form C-144) per individual pit, closed-loop system, below-grade tank or alternative request

below-grade tank, or proposed alternative method

Closure plan only submitted for an existing permitted or non-permitted pit, closed-loop system,

Instructions: Please submit one application (Form C-144) per individual pit, closed- Please be advised that approval of this request does not relieve the operator of liability should operation environment. Nor does approval relieve the operator of its responsibility to comply with any other application.	ons result in pollution of surface water, ground water or the
Operator: Burlington Resources Oil & Gas Company, LP	OGRID#: <u>14538</u>
Address: PO Box 4289, Farmington, NM 87499	
Facility or well name: Holder A 100	
API Number: 30-045-34242 OCD Permit Nu	
U/L or Qtr/Qtr: F(SE/NW) Section: 6 Township: 30N Range:	12W County: San Juan
Center of Proposed Design: Latitude: 36.84516 °N Longitude: Surface Owner: X Federal State Private Tribal Trust or In	108.14236 °W NAD: X 1927 1983 dian Allotment
Pit: Subsection F or G of 19 15 17.11 NMAC Temporary: Drilling Workover Permanent Emergency Cavitation P&A Lined Unlined Liner type Thickness mil LLDPE String-Reinforced Liner Seams. Welded Factory Other Volume	RCVD SEP 18 '12 OIL CONS. DIV. DIST. 3 HDPE PVC Other bbl Dimensions L x W x D
X Closed-loop System: Subsection H of 19 15 17 11 NMAC Type of Operation X P&A Drilling a new well Workover or Drilling (Applie notice of intent) Drying Pad X Above Ground Steel Tanks Haul-off Bins Other Lined Unlined Liner type Thickness mil LLDPE Liner Seams Welded Factory Other	s to activities which require prior approval of a permit or HDPE PVD Other
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 a Visible sidewalls and liner Visible sidewalls only Other Liner Type Thickness mil HDPE PVC Other	automatic overflow shut-off
Alternative Method: Submittal of an exception request is required Exceptions must be submitted to the Santa Fe Envi	ronmental 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, ms 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	Intution or chu	rch)			
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 (Fencing/BGT Liner) 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. (Applied to permanent pits)	Yes NA	No			
- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	Yes	□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.	Lites	∐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.			
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 or Permit			
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			
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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	ed-loop Systems That Utilize Above Ground S ulity or facilities for the disposal of liquids, drill					
Disposal Facility Name Env	/rotech / JFJ Landfarm / IEI	_ Disposal Facility Permit #	NM-01-0011 / NM-01-0	010B		
Disposal Facility Name Bas	an Disposal Facility	_ Disposal Facility Permit #	NM-01-005			
Will any of the proposed closed— Yes (If yes, please provid	loop system operations and associated active the information No	ities occur on or in areas that v	vill not be used for future	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 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						
17 Siting Criteria (Regarding on-site closure methods only: 19.15 17 10 NMAC Instructions Each string criteria requires a demonstration of compliance in the closure plan 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 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	t below the bottom of the buried waste			Yes	No	
- NM Office of the State Engin	neer - 1WATERS database search, USGS Data of	obtained from nearby wells		N/A		
Ground water is between 50 and	100 feet below the bottom of the buried wa	ste		Yes	No	
- NM Office of the State Engine	eer - iWATERS database search, USGS, Data o	btained from nearby wells		□N/A		
Ground water is more than 100 f	feet below the bottom of the burned waste			Yes	□No	
- NM Office of the State Engine	eer - iWATERS database search, USGS, Data o	btained from nearby wells		□N/A		
Within 300 feet of a continuously flo (measured from the ordinary high-w	owing watercourse, or 200 feet of any other sign after mark)	ificant watercourse or lakebed, sin	nkhole, or playa lake	Yes	No	
- Topographic map; Visual insp	pection (certification) of the proposed site			_	_	
•	esidence, school, hospital, institution, or church i	•	pplication	Yes	∐No	
- visual inspection (certification	i) of the proposed site, Aerial photo, satellite ima	ige		Yes	□No	
purposes, or within 1000 horizontal	ate, domestic fresh water well or spring that less fee of any other fresh water well or spring, in ex eer - iWATERS database, Visual inspection (cert	istence at the time of the initial ap	- 1			
pursuant to NMSA 1978, Section 3-			pal ordinance adopted	Yes	□No	
Within 500 feet of a wetland	cation from the municipality, Written approval of	otamed from the municipality		Yes	\square_{N_0}	
	d Identification map, Topographic map, Visual in	spection (certification) of the pro-	posed site			
Within the area overlying a subs	urface mine			Yes	□No	
	cation or map from the NM EMNRD-Mining and	Mineral Division				
Within an unstable area	and a day day and a DAAD array of Contain 8	Maranal Danas area LIGGG NIMA	C11 Ct	∐Yes	∐No	
Topographic map	rated into the design, NM Bureau of Geology &	Mineral Resources, USGS, NM C	Jeological Society,			
Within a 100-year floodplain - FEMA map				Yes	□No	
On-Site Closure Plan Checklis by a check mark in the box, tha	st: (19 15 17 13 NMAC) Instructions: East the documents are attached.	ch of the following items mus	st bee attached to the closi	ıre plan. Plea	se indicate,	
	ce Demonstrations - based upon the appropr	iate requirements of 19 15 17	10 NMAC			
Proof of Surface Owner N	Notice - based upon the appropriate requiren	nents of Subsection F of 19 15	17.13 NMAC			
Construction/Design Plan	Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of 19.15 17 11 NMAC					
Construction/Design Plan	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)						
	d upon the appropriate requirements of Subsect upon the appropriat				[
Re-vegetation Plan - based upon the appropriate requirements of Subsection 1 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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19 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) Dollue L. Busse Title Staff Regulatory Technician
Signature / 18/12 Date 9/18/12
e-mail address dollie busse@conocophillips.com Telephone 505-324-6104
20 OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment)
OCD Representative Signature: Approval Date: 1/20/2012
Title: (QCD Permit Number:
The Sylastoria Vol. 100
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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. December 15 order November 15 order 15 or
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
Ste 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
Site Reclamation (Photo Documentation)
On-site Closure Location Latitude. Longitude NAD 1927 1983
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.