District 1

1625 N French Dr , Hobbs, NM 88240

District II 1301 W Grand Ave , Artesia, NM 88210 District III

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 tanks, submit to the appropriate NMOCD District Office

Form C-144

For permanent pits and exceptions submit to the Santa Fe

1000 Rio Brazos Rd , Aztec, NM 87410	Santa Fe, NM 87	For permanent pit	s and exceptions submit to the Santa Fe eau office and provide a copy to the		
<u>District IV</u> 1220 S St Francis Dr , Santa Fe, NM 87505		appropriate NMOC			
	Pit, Closed-Loop System, B	elow-Grade Tank, or			
70 Propo	sed Alternative Method Peri		<u>plication</u>		
70 Propo	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	· ·	ted pit, closed-loop system,		
	below-grade tank, or proposed alter				
	plication (Form C-144) per individual his request does not relieve the operator of liability		•		
	e the operator of its responsibility to comply with a	· · · · · · · · · · · · · · · · · · ·			
Operator Burlington Resources Oil	& Cas Company I.D.	OGRID#. <b>145</b>	20		
Address. PO Box 4289, Farmington		OGRID#. <u>145</u>	36		
Facility or well name. Turner B Con			_		
		D Permit Number			
U/L or Qtr/Qtr K(NE/SW) Section		Range: 9W County	San Juan		
Center of Proposed Design: Latitude		ongitude 107.79645	°W NAD X 1927 1983		
Surface Owner Federal	X State Private Tribal	Trust or Indian Allotment			
Lined Unlined Line  String-Reinforced  Liner Seams Welded Fac    X Closed-loop System: Subsection  Type of Operation X P&A  Drying Pad X Above Ground  Lined Unlined Liner to Liner Seams Welded Face   Below-grade tank: Subsection I of	over  vitation	LLDPE HDPE PVC  blume bbl Dimension  ling (Applies to activities which requires to activities to activities which requires to activi			
Volumebbl	Type of fluid				
Tank Construction material	tron Violeta and assetta torra Co	- noh lift and automatic according to	off.		
Secondary containment with leak determined Visible sidewalls and liner	Visible sidewalls only Other	nch lift and automatic overflow shut	-011		
Liner Type Thickness	milHDPEPVC	Other			
5 Alternative Method: Submittal of an exception request is required.	red Exceptions must be submitted to the Sa	ınta Fe Environmental Bureau office	for consideration of approval		

Form C-144

Oil Conservation Division

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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					
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 aj	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.	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.	Yes	No			
- NM Office of the State Engineer - tWATERS 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 - FFMA man	Yes	No			

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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					
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 XP&A Permanent Pit Below-grade Tank XClosed-loop System					
Alternative 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					
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 S Instructions Please identify the facility or facilities for the disposal of liquids, drilli facilities are required				
Disposal Facility Name Envirotech / JFJ Landfarm / IEI	Disposal Facility Permit #	NM-01-0011 / NM-01-00	)10B	
Disposal Facility Name Basin Disposal Facility	Disposal Facility Permit #	NM-01-005		
Will any of the proposed closed-loop system operations and associated activity  Yes (If yes, please provide the information No	ties occur on or in areas that i	will not be used for future	service and	
Required for impacted areas which will not be used for future service and operation  Soil Backfill and Cover Design Specification - based upon the appropriate Re-vegetation Plan - based upon the appropriate requirements of Substitute Site Reclamation Plan - based upon the appropriate requirements of Site Reclamation Plan - based upon the appropriate requirements of Site Reclamation Plan - based upon the appropriate requirements of Site Reclamation Plan - based upon the appropriate requirements of Site Reclamation Plan - based upon the appropriate requirements of Site Reclamation Plan - based upon the appropriate requirements of Site Reclamation Plan - based upon the appropriate requirements of Site Reclamation Plan - based upon the appropriate requirements of Site Reclamation Plan - based upon the appropriate requirements of Site Reclamation Plan - based upon the appropriate requirements of Site Reclamation Plan - based upon the appropriate requirements of Site Reclamation Plan - based upon the appropriate requirements of Site Reclamation Plan - based upon the appropriate requirements of Site Reclamation Plan - based upon the appropriate requirements of Site Reclamation Plan - based upon the appropriate requirements of Site Reclamation Plan - based upon the appropriate requirements of Site Reclamation Plan - based upon the appropriate requirements of Site Reclamation Plan - based upon the appropriate requirements of Site Reclamation Plan - based upon the appropriate requirements of Site Reclamation Plan - based upon the appropriate requirements of Site Reclamation Plan - based upon the appropriate requirements of Site Reclamation Plan - based upon the appropriate requirements of Site Reclamation Plan - based upon the appropriate requirements of Site Reclamation Plan - based upon the appropriate requirements of Site Reclamation Plan - based upon the appropriate requirements of Site Reclamation Plan - based upon the appropriate requirements of Site Reclamation Plan - based upon the appropriate requirements of Sit	oriate requirements of Subsect section I of 19 15 17 13 NMA	C	AC	
17				
Stting Criteria (Regarding on-site closure methods only: 19 15 17 10 NM Instructions Each siting criteria requires a demonstration of compliance in the closure placertain siting criteria may require administrative approval from the appropriate district of office for consideration of approval Usisfications and/or demonstrations of equivalency of	m Recommendations of acceptable fice or may be considered an excep	tion which must be submitted to		
Ground water is less than 50 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search, USGS Data of	btained from nearby wells		Yes No	
Ground water is between 50 and 100 feet below the bottom of the buried wa	ste		☐Yes ☐No	
	- 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			∐N/A ∏Yes ∏No	
- NM Office of the State Engineer - 1WATERS database search, USGS, Data of	otained from nearby wells			
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other signi	•	nkhole or playa lake		
(measured from the ordinary high-water mark)  - Topographic map, Visual inspection (certification) of the proposed site	meant watercourse of faccocu, si	incline, of playa take	YesNo	
Within 300 feet from a permanent residence, school, hospital, institution, or church in	a existence at the time of initial o	polication	Пуез Пло	
Visual inspection (certification) of the proposed site, Aerial photo, satellite ima	•	ррисацоп		
			Yes No	
Within 500 horizontal feet of a private, domestic fresh water well or spring that less is purposes, or within 1000 horizontal fee of any other fresh water well or spring, in exit - NM Office of the State Engineer - iWATERS database, Visual inspection (certification)	stence at the time of the initial ap	~		
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 of Within 500 feet of a wetland</li> </ul>	tained from the municipality		∏Yes ∏No	
- US Fish and Wildlife Wetland Identification map, Topographic map, Visual in:	spection (certification) of the pro-	posed site		
Within the area overlying a subsurface mine			Yes No	
- Written confiramtion or verification or map from the NM EMNRD-Mining and	Mineral Division			
	Within an unstable area		∐Yes ∐No	
<ul> <li>Engineering measures incorporated into the design, NM Bureau of Geology &amp; I Topographic map</li> </ul>	vimerai Resources, USGS, Nivi C	Jeological Society,		
Within a 100-year floodplain - FEMA map			Yes No	
18				
On-Site Closure Plan Checklist: (19 15 17 13 NMAC) Instructions: Each by a check mark in the box, that the documents are attached.	ch of the following items mus	st bee attached to the closi	ire plan. Please indicate,	
Siting Criteria Compliance Demonstrations - based upon the appropri	ate 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				
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				
Ste Reclamation Plan - based upon the appropriate requirements of Subs				

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19 One material Application Continue
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) Dollie L. Busse 2 Title Staff Regulatory Technician
Signature Date 6/7/12
e-mail address dollie I busse@conocophillips.com Telephone 505-324-6104
C-Hall address demonstrates and demonstr
20 OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature: Approval Date: OCD Permit Number:
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
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
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 helief. 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.