District II

101 W Grand Ave , Artesia, NM 88210

District III

1000 Rio Brazos Rd , Aztec, NM 87410

District IV 1220 S St Francis Dr , Santa Fe, NM 87505 Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

> Department Oil Conservation Division 1220 South St. Francis Dr.

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 Environmental Bureau office and provide a copy to the appropriate NMOCD District Office

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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 Noi does approval relieve the operator of its responsibility to com-	apply with any other applicable governmental authority's rules, regulations or ordinances
Operator: Burlington Resources Oil & Gas Company, LP Address: PO Box 4289, Farmington, NM 87499	OGRID#: <u>14538</u>
Facility or well name: Walker 100	
API Number. 30-045-30244	OCD Permit Number:
U/L or Qtr/Qtr: L(NW/SW) Section: 3 Township: 29	N Range: 12W County. San Juan
Center of Proposed Design: Latitude: 36.75279 °N	
Surface Owner: Federal State X Private	Tribal Trust or Indian 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 String-Reinforced Liner Seams: Welded Factory Other	mil LLDPE HDPE PVC Other Volume bbl Dimensions L x W x D
notice of Drying Pad X Above Ground Steel Tanks Haul-off Bins	
Visible sidewalls and liner Visible sidewalls only	liner, 6-inch lift and automatic overflow shut-off Other Other Other
5 Alternative Method: Submittal of an exception request is required. Exceptions must be submitted	

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				
Notified Subjection Field 15 17 11 NIMAC (Applied to proper to the control of the				
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 in compriance with 19-15.5-105 NWAC				
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	Yes	No		
lake (measured from the ordinary high-water mark). - 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	□Yes	П		
application.		LI.10		
(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	Yes	□No		
purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application.				
- 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		
- Written confirmation or verification from the municipality; Written approval obtained from the municipality Within 500 feet of a wetland.	Yes	□No		
- US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site				
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.	Yes	No		
 Engineering measures incorporated into the design, NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map 				
Within a 100-year floodplain - FEMA map	Yes	No		

Temporary Pits, Emergency Pits and Below-grade Tauks 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
The violatify Approved operating and Maintenance Figure 7.11
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
Ccrtified 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 X Workover Emergency Cavitation P&A Permanent Pit Below-grade Tank X Closed-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
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

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16 West Paragraph Charges For Cloud In an System What Didling Along County of State	al Transfer of the August 1 and 1 an	(10.15.17.12.D.NIMAC)	
Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Ste Instructions Please identify the facility or facilities for the disposal of liquids, drilling			calities
are required			
Disposal Facility Name: Envirotech / JFJ Landfarm % IEI	Disposal Facility Permit #)10B
Disposal Facility Name Basin Disposal Facility	Disposal Facility Permit #		 _
Will any of the proposed closed-loop system operations and associated activities Yes (If yes, please provide the information No	es occur on or in areas that w	all not be used for future se	rvice and operations?
Required for impacted areas which will not be used for future service and operations: Soil Backfill and Cover Design Specification - based upon the appropri		on 11 of 10 15 17 12 NIMAC	4
Re-vegetation Plan - based upon the appropriate requirements of Subset			•
Site Reclamation Plan - based upon the appropraite requirements of Sul			
Siting Criteria (Regarding on-site closure methods only: 19.15 17.10 NMA)	С		
Instructions Each siting criteria requires a demonstration of compliance in the closure plan	Recommendations of acceptable so		
certain siting criteria may require administrative approval from the appropriate district office for consideration of approval. Justifications and/or demonstrations of equivalency are require			santa re Environmental Bureau office
Ground water is less than 50 feet below the bottom of the buried waste.			Yes No
- NM Office of the State Engineer - IWATERS database search; USGS: Data obta	ained from nearby wells		N/A
County water is between \$0 and 100 feet below the better of the build week			☐Yes ☐No
Ground water is between 50 and 100 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data obta			∐Yes ∐No ∏N/A
-	med from ficurely wells		
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 obta	ined from nearby wells		∐N/A
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other signific (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 - Visual inspection (ceitification) of the proposed site; Aerial photo; satellite image	-	pplication.	∐Yes ∐No
- visual hispection (certification) of the proposed site, Methal photo, sateline image	•		∏Yes ∏No
Within 500 horizontal feet of a private, domestic fresh water well or spring that less that purposes, or within 1000 horizontal fee of any other fresh water well or spring, in exist - NM Office of the State Engineer - iWATERS database; Visual inspection (certification)	tence at the time of the initial ap	, -	
Within incorporated municipal boundaries or within a defined municipal fresh water was pursuant to NMSA 1978, Section 3-27-3, as amended - Written confirmation or verification from the municipality, Written approval obt		pal ordinance adopted	Yes No
Within 500 feet of a wetland	amed from the municipality		∏Yes ∏No
- US Fish and Wildlife Wetland Identification map, Topographic map; Visual insp	ection (certification) of the prop	posed site	
Within the area overlying a subsurface mine.			Yes No
- Written confiramtion or verification or map from the NM EMNRD-Mining and N	Ameral Division		
Within an unstable area.	∐Yes ∐No		
 Engineering measures incorporated into the design; NM Bureau of Geology & M Topographic map 	merai Resources; USGS; NW G	eological 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.	of the following items must	bee attached to the closure	plan. Please indicate,
Siting Criteria Compliance Demonstrations - based upon the appropriate	e requirements of 19.15.17.10) NMAC	
Proof of Surface Owner Notice - based upon the appropriate requirement	nts of Subsection F of 19.15.1	7 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 dryi	ing pad) - based upon the app	ropriate 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 L 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			

Form C-144 Oil Conservation Division

19	C41641	•		
Operator Application (Certification: ormation submitted with this application is true, a	accurate and complete to the	best of my knowledge and belief	
Name (Print):	Rhonda Roggie	Title	Staff Regulatory Technician	
Signature (-	100 (1000)	Date:	9/18/2009	
	rogerrs@conocophillips.com)	Telephone Telephone	505-599-4018	
e-mail address:	rogerts a conocophimps.col(t)	Telephone	303-399-4010	
20				
OCD Approval:	Permit Application (including closure plan)	Closure Plan (only)	OCD Conditions (see attachment)	
OCD Representative S		~ .	Approval Date: 9/29/09	
OCD Representative 5	11 00. 40	m_	Approval Date: 9129101	
Title:	Enviro Ispec	OCD Pern	nit Number:	
Instructions: Operators are report is required to be sub-		or to implementing any closi letion of the closure activitie in completed.	tre activities and submitting the closure report. The closure s. Please do not complete this section of the form until an	
		Closure	e Completion Date:	
22				
Closure Method:				
Waste Excavation	_	Alternative Closure	Method Waste Removal (Closed-loop systems only)	
If different from ap	proved plan, please explain			
23				
	g Waste Removal Closure For Closed-loop Syst		cound Steel Tanks or Haul-off Bins Only: ngs were disposed. Use attachment if more than two facilities	
were utilized.	jy the factury of factures for where the tiquitis, t	unung jiutas ana artti cutti	ngs were aisposea. Ose anachment ij more than two jactuites	
Disposal Facility Name	:	Disposal Facility	Permit Number.	
Disposal Facility Name		Disposal Facility	Permit Number.	
	stem operations and associated activities perform	ed on or in areas that will no	of be used for future service and opeartions?	
Yes (If yes, please	demonstrate complilane to the items below)	No		
	areas which will not be used for future service and	d operations:		
	Photo Documentation) d Cover Installation			
	lication Rates and Seeding Technique			
	3			
24 Closure Report Atta	schment Checklist: Instructions: Each of the	following items must be atta	ched to the closure report. Please indicate, by a check mark in	
the box, that the docum			, , ,	
Proof of Closure	Notice (surface owner and division)			
=	otice (required for on-site closure)			
Plot Plan (for on-	site closures and temporary pits)			
	npling Analytical Results (if applicable)			
	ampling Analytical Results (if applicable)			
'	Name and Permit Number			
	nd Cover Installation			
	plication Rates and Seeding Technique (Photo Decumentation)			
On-site Closure L	(Photo Documentation) ocation: Latitude	Longitude:	NAD 1927 1983	
On-site Closure L	Acadon. Landuce	Longitude.	1721 1703	
			and complete to the best of my knowledge and belief. I also certify tha losure plan.	at
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.