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 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.

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			
	Series was taken, or proposed assertion in called			

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 liability 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
December 1 December 2 December 2 December 3 December 3 December 3 December 4 D	OGRID#: 14538
Address: PO Box 4289, Farmington, NM 87499	
Facility or well name: Federal B 1	
API Number: 30-045-08923	OCD Permit Number:
U/L or Qtr/Qtr: N(SESW) Section: 31 Township: 30N	Range: 11W County: San Juan
Center of Proposed Design: Latitude: 36.763730'N	Longitude: 108.033910'W NAD: X 1927 1983
Surface Owner: X Federal State Private T	ribal 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 mil String-Reinforced Liner Seams: Welded Factory Other	LLDPE HDPE PVC Other Volume: 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 of notice of im Drying Pad X Above Ground Steel Tanks Haul-off Bins Lined Unlined Liner type: Thickness mil Liner Seams: Welded Factory Other	or Drilling (Applies to activities which require prior approval of a permit or tent) Other LLDPE HDPE PVD Other
	er, 6-inch lift and automatic overflow shut-off
5 Alternative Method: Submittal of an exception request is required. Exceptions must be submitted to	

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.	deration of app	roval.			
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					
Within 500 horizonal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application.	Yes	No			
- NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site.					
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended	Yes	No			
 Written confirmation or verification from the municipality; Written approval obtained from the municipality Within 500 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site 	Yes	No			
Within the area overlying a subsurface mine 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			

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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				
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)				
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				
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 Groun Instructions Please identify the facility or facilities for the disposal of liquids, dr	nd Steel Tanks or Haul-off Bins Only:(19.15 17 13.D NMAC) rulling fluids and drill cultings. Use attachment if more than two	,			
facilities are required.					
Disposal Facility Name: Envirotech Disposal Facility Permit # NM-01-0011					
Disposal Facility Name: Basin Disposal Facility Disposal Facility Permit #: NM-01-005					
Will any of the proposed closed-loop system operations and associated a Yes (If yes, please provide the information No		service and			
Required for impacted areas which will not be used for future service and operations: Soil Backfill and Cover Design Specification - based upon the appropriate requirements of Subsection H of 19.15.17.13 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 N Instructions Each siting criteria requires a demonstration of compliance in the closure pla certain siting criteria may require administrative approval from the appropriate district off office for consideration of approval Justifications and/or demonstrations of equivalency a	in Recommendations of acceptable source material are provided below fice or may be considered an exception which must be submitted to the S				
Ground water is less than 50 feet below the bottom of the buried waste. - NM Office of the State Engineer - 1WATERS database search, USGS: Database search, USG	ta obtained from nearby wells	Yes No			
Ground water is between 50 and 100 feet below the bottom of the buried	1 waste	Yes No			
- NM Office of the State Engineer - iWATERS database search; USGS, Data		N/A			
Ground water is more than 100 feet below the bottom of the buried wast	te.	Yes No			
- NM Office of the State Engineer - iWATERS database search; USGS, Dat		N/A			
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other s (measured from the ordinary high-water mark)	significant watercourse or lakebed, sınkhole, or playa lake	Yes No			
- Topographic map; Visual inspection (certification) of the proposed site					
Within 300 feet from a permanent residence, school, hospital, institution, or chur - Visual inspection (certification) of the proposed site, Aerial photo, satellite		Yes No			
Within 500 horizontal feet of a private, domestic fresh water well or spring that le purposes, or within 1000 horizontal fee of any other fresh water well or spring, if - NM Office of the State Engineer - iWATERS database, Visual inspection (i	YesNo				
Within incorporated municipal boundaries or within a defined municipal fresh wat pursuant to NMSA 1978. Section 3-27-3, as amended. - Written confirmation or verification from the municipality, Written approve	Yes No				
Within 500 feet of a wetland	an obtained from the mannerparty	☐Yes ☐No			
- US Fish and Wıldlife Wetland Identification map; Topographic map; Visua	al inspection (certification) of the proposed site				
Within the area overlying a subsurface mine.	134	Yes No			
 Written confiramtion or verification or map from the NM EMNRD-Mining Within an unstable area. 	and Mineral Division	Yes No			
- Engineering measures incorporated into the design, NM Bureau of Geology Topographic map					
Within a 100-year floodplain. - FEMA map		Yes No			
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: by a check mark in the box, that the documents are attached.	Each of the following items must bee attached to the clo	osure plan. Please indicate,			
Siting Criteria Compliance Demonstrations - based upon the appr	ropriate 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					
Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC					

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Operator Application (
	rmation submitted with this application is true, accura		•			
Name (Print):	Kelly Jeffery	Title:	Regulatory Technician			
Signature:	jeffekr@conocophillips.com	Date: Telephone:	5/1/2009 505-599-4025			
e-mail address:	jenew econocophinips.com	тегерионе.	303-377-4023			
	ermit Application (including closure plan)	Closure Plan (only)	OCD Conditions (see attachment)			
OCD Representative Si	gnature:		Approval Date:9/10/09			
Title:	Envirolapec	OCD Perm	it 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:						
Closure Method: Waste Excavation a	nd Removal On-site Closure Method proved plan, please explain.	Alternative Closure	Method Waste Removal (Closed-loop systems only)			
23						
	Waste Removal Closure For Closed-loop Systems of the facility or facilities for where the liquids, drilli		und Steel Tanks or Haul-off Bins Only: s were disposed. Use attachment if more than two facilities			
were utilized.	y the factory of factories, for where the inquites, arms	ng jimus unu urm cuming	s rece unsposed. Ose underment if more than two juentiles			
Disposal Facility Name		Disposal Facility	Permit Number:			
Disposal Facility Name:		Disposal Facility				
·	stem operations and associated activities performed of demonstrate compliane to the items below)	n or in areas that will not	be used for future service and opeartions?			
	reas which will not be used for future service and op	_				
	Photo Documentation)	erations,				
Soil Backfilling and	Cover Installation	•				
Re-vegetation App	cation Rates and Seeding Technique					
the box, that the docum Proof of Closure Proof of Deed No Plot Plan (for on- Confirmation San Waste Material S Disposal Facility	ents are attached. Notice (surface owner and division) stice (required for on-site closure) site closures and temporary pits) npling Analytical Results (if applicable) ampling Analytical Results (if applicable) Name and Permit Number	owing items must be attac	hed to the closure report. Please indicate, by a check mark in			
Re-vegetation Ap	nd Cover Installation plication Rates and Seeding Technique					
Site Reclamation On-site Closure I	(Photo Documentation) ocation: Latitude:	Longitude:	NAD 1927 1983			
On-site Closure I	Cation. Latitude.	Longitude.	170			
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). Solids in the closed-loop tank will be vacuumed out and disposed of at Envirotech (Permit # NM-01-0011) 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) immediately following rig operations. All remaining liquids will be transported and disposed of in the Basin Disposal facility (Permit # NM-01-005). 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.