District I 1625 N French Dr., Hobbs, NM 88240

State of New Mexico Energy Minerals and Natural Resources Form C-144 July 21, 2008

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

Department Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

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

District IV 1220 S St Francis Dr., Santa Fe, NM 87505	Environmental Bureau office and provide a copy to the appropriate NMOCD District Office
Pit, Closed-Loop System,	Below-Grade Tank, or
	ermit or Closure Plan Application
Type of action: X Permit of a pit, closed-loop system	m, below-grade tank, or proposed alternative method
Closure of a pit, closed-loop system	em, below-grade tank, or proposed alternative method
Modification to an existing permi	it
Closure plan only submitted for a below-grade tank, or proposed al	an existing permitted or non-permitted pit, closed-loop system, ternative method
Instructions: Please submit one application (Form C-144) per individu	
Please be advised that approval of this request does not relieve the operator of liability	-
environment Nor does approval relieve the operator of its responsibility to comply with	any other applicable governmental authority's rules, regulations or ordinances
Operator: Burlington Resources Oil & Gas Company, LP	OGRID#: <u>14538</u>
Address: PO Box 4289, Farmington, NM 87499	
Facility or well name: Angel Peak B 30	
API Number: 30-045-24530 C	OCD Permit Number:
U/L or Qtr/Qtr: B(NW/NE) Section: 13 Township: 28N	Range: 11W County: San Juan
Center of Proposed Design: Latitude: 36.66724 N	Longitude: 107.95175 °W NAD: X 1927 1983
Surface Owner: X Federal State Private Trib	pal Trust or Indian Allotment
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: P&A Drilling a new well X Workover or I notice of inten Drying Pad X Above Ground Steel Tanks Haul-off Bins Lined Unlined Liner type: Thickness mil Liner Seams: Welded Factory Other	Other LLDPE HDPE PVD Other 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, Visible sidewalls and liner Visible sidewalls only Other Liner Type Thickness mil HDPE PVC	6-inch lift and automatic overflow shut-off
Submittal of an exception request is required. Exceptions must be submitted to the	

Fencing: Subsection D of 19.15.17.11 NMAC (Applies to permanent pit, temporary pits, and below-grade tanks)					
Chain link, six feet in height, two strands of barbed wire at top (Required if located within 1000 feet of a permanent residence, school, hospital, institution or church) Four foot height, four strands of barbed wire evenly spaced between one and four feet Alternate. Please specify					
7					
Netting: Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks) Screen Netting Other Monthly inspections (If netting or screening is not physically feasible)					
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					
9					
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 (Fencing/BGT Liner)	leration of appr	roval.			
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					
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 - 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 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 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 Monutoring 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				
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 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)				
Tracinative Closure Method (Exceptions must be submitted to the sum of Environmental Bureau to 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				
U one recommend that a based upon the appropriate requirements of ourseless of ourseless.				

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16 Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only:(19.15.17 13 D NMAC)				
Instructions. Please identify the facility or facilities for the disposal of liquids, drilling fluids and drill cuttings. Use attachment if more than two				
facilities are required. Disposal Facility Name: Envirotech / JFJ Landfarm % IEI Disposal Facility Permit #: NM-01-0011 / NM-01-	0010B			
Disposal Facility Name: Basin Disposal Facility Disposal Facility Permit #: NM-01-005	00100			
Will any of the proposed closed-loop system operations and associated activities occur on or in areas that will nbe used for future	e service and			
Yes (If yes, please provide the information No Required for impacted areas which will not be used for future service and operations: Soil Backfill and Cover Design Specification - based upon the appropriate 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 siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable source material are provided below certain siting criteria may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to the S				
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 below the bottom of the buried waste.	Yes No			
- NM Office of the State Engineer - tWATERS database search; USGS: Data obtained from nearby wells /	N/A			
Ground water is between 50 and 100 feet below the bottom of the buried waste	Yes No			
- NM Office of the State Engineer - iWATERS database search, USGS; Data obtained from nearby wells	□ N/A			
Ground water is more than 100 feet below the bottom of the buried waste.	☐Yes ☐No			
- NM Office of the State Engineer - iWATERS database search, USGS; Data obtained from nearby wells				
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or playa lake	☐ ☐ ☐ ☐ ☐ No			
(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 application - Visual inspection (certification) of the proposed site; Aerial photo; satellite image	Yes No			
, and the same of	Yes No			
Within 500 horizontal 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 fee of any other fresh water well or spring, in existence at the time of the initial application. - NM Office of the State Engineer - iWATERS database; 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.	Yes No			
- Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division				
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			
18				
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must bee attached to the cloby a check mark in the box, that the documents are attached.	sure plan. Please indicate,			
Siting Criteria Compliance Demonstrations - based upon the appropriate 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 standar	ds 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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19				
Operator Application Ce				
	nation submitted with this application is true, according			
Name (Print):	Rhonda Rogers	Title.	Staff Regulatory Technician	
Signature:	shorely Jozen	Date:	12/1/2009	
e-mail address:	rogerrs@conocophillips.com	Telephone:	505-599-4018	
OCD Approval: Toper	mit Application (including closure plan)	Closure Plan (only)	OCD Conditions (see attachment)	
· · · · · ·	<u> </u>	7		
OCD Representative Sign	nature: France De	<u> </u>	Approval Date: 1-8-10	
Title: F	nature: Branch Son	OCD Pare	nit Number:	
11ttc	nors /spec	OCD Tell	int (vuinde).	
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	1 Removal On-site Closure Method	Alternative Closure	Method Waste Removal (Closed-loop systems only)	
If different from appre	oved plan, please explain.			
23				
	Waste Removal Closure For Closed-loop System	ns That Utilize Above Gr	ound Steel Tanks or Haul-off Bins Only:	
	the facility or facilities for where the liquids, dri	lling fluids and drill cutting	gs were disposed. Use attachment if more than two facilities	
were utilized. Disposal Facility Name:		Disposal Faculty	Permit Number.	
Disposal Facility Name		•	Permit Number	
* *	em operations and associated activities performed			
_	monstrate compliane to the items below)	□No	•	
Required for impacted are	as which will not be used for future service and o	perations ·		
Site Reclamation (Pho	oto Documentation)			
Soil Backfilling and (
Re-vegetation Applic	ation Rates and Seeding Technique			
the box, that the documen	its are attached.	llowing items must be atta	ched to thè closure report. Please indicate, by a check mark in	
<u></u>	otice (surface owner and division) ce (required for on-site closure)			
=	te closures and temporary pits)			
	oling Analytical Results (if applicable)			
· =	npling Analytical Results (if applicable)			
	ame and Permit Number			
	d Cover Installation			
_	lication Rates and Seeding Technique			
	Photo Documentation)			
On-site Closure Lo	cation: 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.