District I

1625 N. French Dr., Hobbs, NM 88240

1301 W Grand Ave., Artesia, NM 88210

1000 Rio Brazos Rd., Aztec. NM 87410

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico

Energy Minerals and Natural Resources

Department Oil Conservation Division 1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-144 July 21, 2008

For temporary pits, closed-loop sytems, and below-grade tanks, submit to the appropriate NMOCD District Office.

For permanent pits and exceptions submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

Pit, Closed-Loop System, Below-Grade Tank, or 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
	of this request does not relieve the operator of hability should operations result in pollution of surface water, ground water or the cheve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances

Operator: ConocoPhillips Company	OGRID#: <u>217817</u>
Address: PO Box 4289, Farmington, NM 87499	
Facility or well name: San Juan 29-6 Unit 48	
API Number: 30-039-07502 OCD	Permit Number:
U/L or Qtr/Qtr: A(NENE) Section: 35 Township: 29N F	Range: 6W County: Rio Arriba
Center of Proposed Design: Latitude: 36.686630' N Lon	gitude: 107.426102' W NAD: X 1927 1983
Surface Owner: Federal State X Private Tribal T	rust or Indian Allotment
String-Reinforced	LLDPE HDPE PVC Other me: bbl Dimensions L x W x D
notice of intent) Drying Pad X Above Ground Steel Tanks Haul-off Bins Ott	LLDPE HDPE PVD Other N PECEIVEL
Below-grade tank: Subsection I of 19.15.17.11 NMAC Volume: bbl Type of fluid: Tank Construction material: Secondary containment with leak detection Visible sidewalls, liner, 6-in Visible sidewalls and liner Visible sidewalls only Other Liner Type: Thickness mil HDPE PVC	ch lift and automatic overflow shut-off Other
Submittal of an exception request is required. Exceptions must be submitted to the Sa	inta Fe Environmental Bureau office for consideration of approval.

Fencing: Subsection D of 19.15.17.11 NMAC (Applies to permanent pit, temporary pits, and below-grade tanks)					
Chain link, six feet in height, two strands of barbed wire at top (Required if located within 1000 feet of a permanent residence, school, hospital, 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)					
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					
Notified in Companies with 17:1753.105 (19) (Companies with 17:175					
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 considerable approval (s):	eration of appr	oval.			
Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.					
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.					
		□N-			
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	Yes	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.	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.	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 - 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		□ _{Nic}			
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	Yes	No			
- Engineering measures incorporated into the design, NM Bureau of Geology & Mineral Resources; OSGS, NM Geological Society; Topographic map	· z				
Within a 100-year floodplain - FEMA map	Yes	No			
K. C.					

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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				
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 Change Plan hand are a the appropriate and incomplete and i				
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)				
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 one of the appropriate requirements of basecular of 17.13.17.13 (mine)				

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16 Wasta Damayal Classica Fox Classed Ioan Systems That Utilize Above C	wound Steel Toule on Hout off Ding Only (10.15.17.12.D.NMAC)				
Waste Removal Closure For Closed-loop Systems That Utilize Above Gr Instructions Please identify the facility or facilities for the disposal of liquid					
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 associated the proposed closed provide the information No		e service and			
Required for impacted areas which will not be used for future service and op Soil Backfill and Cover Design Specification - based upon th Re-vegetation Plan - based upon the appropriate requirements Site Reclamation Plan - based upon the appropriate requirements	ne appropriate requirements of Subsection H of 19.15.17.13 Notes of Subsection I of 19 15 17 13 NMAC	NMAC			
17 Siting Criteria (Regarding on-site closure methods only: 19 15.17. Instructions. Each siting criteria requires a demonstration of compliance in the closur certain siting criteria may require administrative approval from the appropriate distri office for consideration of approval. Justifications and/or demonstrations of equivale.	re plan Recommendations of acceptable source material are provided belov act office 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 wa - NM Office of the State Engineer - iWATERS database search, USGS		Yes No			
Ground water is between 50 and 100 feet below the bottom of the bi	uried waste	☐Yes ☐No			
- NM Office of the State Engineer - 1WATERS database search; USGS,		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:		N/A			
Within 300 feet of a continuously flowing watercourse, or 200 feet of any of (measured from the ordinary high-water mark).	Yes No				
- Topographic map; Visual inspection (certification) of the proposed sit	e ·	,			
Within 300 feet from a permanent residence, school, hospital, institution, or - Visual inspection (certification) of the proposed site, Aerial photo; sate		Yes No			
Within 500 horizontal feet of a private, domestic fresh water well or spring the purposes, or within 1000 horizontal fee of any other fresh water well or spring the NM Office of the State Engineer - iWATERS database; Visual inspect Within incorporated municipal boundaries or within a defined municipal fresh pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approximation of the state of	ng, in existence at the time of the initial application. tion (certification) of the proposed site h water well field covered under a municipal ordinance adopted	Yes No			
Within 500 feet of a wetland - US Fish and Wildlife Wetland Identification map, Topographic map,	•	Yes No			
Within the area overlying a subsurface mine.		Yes No			
- Written confiramtion or verification or map from the NM EMNRD-Mi	ining and Mineral Division				
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geo- Topographic map	Yes No				
Within a 100-year floodplain. - FEMA map		Yes No			
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instruction by a check mark in the box, that the documents are attached.	ns: Each of the following items must bee attached to the cl	losure 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 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 Certification:						
I hereby certify that the information submitted with this application is true, accura						
Name (Print). Rhonda Rogers	Title:	Regulatory Technician				
Signature: The Decous	Date:	9/29/2008				
e-mail address: rogerrs@conocophillips.com	Telephone:	505-599-4018				
	•					
20	Classes Plan (aula)		-1			
OCD Approval: Permit Application (including closure plan)	Closure Plan (only)	`				
OCD Representative Signature:		Approval Date:	10-24/08			
6 16 00						
Title:	OCD Peri	nit Number:				
21						
Closure Report (required within 60 days of closure completion): Subs	section K of 19 15 17 13 NMA	AC .				
Instructions: Operators are required to obtain an approved closure plan prior to			re report. The closure			
report is required to be submitted to the division within 60 days of the completion		Please do not complete this section	of the form until an			
approved closure plan has been obtained and the closure activities have been con	-					
	☐ Closui	e Completion Date:				
22						
Closure Method:			•			
Waste Excavation and Removal On-site Closure Method	Alternative Closure	Method Waste Removal (C	losed-loop systems only)			
If different from approved plan, please explain.	_	_				
[.23] Closure Report Regarding Waste Removal Closure For Closed-loop Systems	That Utiliza Abaya C	ound Stool Tonks on Houl off Dine	Only			
Instructions: Please identify the facility or facilities for where the liquids, drilli						
were utilized.		go were unspected to the united files	y more man trie yacames			
Disposal Facility Name:	Disposal Facility	Permit Number.				
Disposal Facility Name:	Disposal Facility	Permit Number:				
Were the closed-loop system operations and associated activities performed o	n or in areas that will no	be used for future service and ope	artions?			
Yes (If yes, please demonstrate compliane to the items below)	No	•				
Required for impacted areas which will not be used for future service and ope	erations:					
Site Reclamation (Photo Documentation)						
Soil Backfilling and Cover Installation						
Re-vegetation Application Rates and Seeding Technique						
24		1	,			
Closure Report Attachment Checklist: Instructions: Each of the following	owing items must be atto	ched 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			A.			
Site Reclamation (Photo Documentation)			And the second			
On-site Closure Location: Latitude:	Longitude:	NAD 🗍	1927 1983			
			· · · · · · · · · · · · · · · · · · ·			
Line						
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 (Drink)	mia.					
Name (Print):	Title:					
Signature:	Date:					
e-mail address:	Telephone:		· 			

Form C-144

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
- 4. All of the above operations will be inspected and a log will be signed and dated. During rig operations the inspection will be daily.

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.