District I

1625 N French Dr. Hobbs, NM 88240

District II

1301 W. Grand Ave., Artesta, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

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

1220 S St I rancis	Dr. Santa Fe, NM 87505	appropriate NMOCD District Office
		Pit, Closed-Loop System, Below-Grade Tank, or
10374	<u>Prop</u>	osed Alternative Method Permit or Closure Plan Application
10,	Type of action	Permit of a pit, closed-loop system, below-grade tank, or proposed alternative meth
		Closure of a nit closed-loan system, below grade tank, or proposed alternative met

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 liability should operation environment. Nor does approval relieve the operator of its responsibility to comply with any other applic	
Operator Burlington Resources Oil & Gas Company, LP	OGRID#: 14538
Address PO Box 4289, Farmington, NM 87499	
Facility or well name SAN JUAN 29-7 UNIT 56C	-
API Number 30-039-31116 OCD Permit No	umber
U/L or Qtr/Qtr. P(SE/SE) Section. 15 Township: 29N Range:	7W County RIO ARRIBA
Center of Proposed Design Latitude 36.72178 °N Longitude:	107.55312 °W NAD: 1927 X 1983
Surface Owner X Federal State Private Tribal Trust or I	ndıan Allotment
String-Reinforced	RCVD SEP 10 '12 OIL CONS. DIV. DIST. 3 HDPE PVC Other bbl Dimensions L x W x D
Closed-loop System: Subsection H of 19 15 17 11 NMAC Type of Operation	ies to activities which require prior approval of a permit or HDPE PVD Other
Below-grade tank: Subsection I of 19 15 17 11 NMAC	
Submittal of an exception request is required Exceptions must be submitted to the Santa Fe En	vironmental Bureau office for consideration of approval

C	neing: Subsection D of 19 15 17 11 NMAC (Applies to permanent pit, temporary pits, and below-grade tanks) hain link, six feet in height, two strands of barbed wire at top (Required if located within 1000 feet of a permanent residence, school, hospital, institutiour foot height, four strands of barbed wire evenly spaced between one and four feet [Iternate Please specify	ition or church	i)
7			
Nett	ing: Subsection E of 19 15 17 11 NMAC (Applies to permanent pits and permanent open top tanks) Scienn Netting Other Intelligent of scienting or scienting is not physically feasible)		
8			
	gns: Subsection C of 19 15 17 11 NMAC		
=	2" X 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers		
	gned in compliance with 19 15 3 103 NMAC		
9 Adn	unistrative Approvals and Exceptions:		
	fications and/or demonstrations of equivalency are required Please refer to 19 15 17 NMAC for guidance		
Plea	se check a box if one or more of the following is requested, if not leave blank:		
X	Administrative approval(s) Requests must be submitted to the appropriate division district of the Santa Fe Environmental Bureau office for consideration put for Pre-set)	leration of app	roval
٢	Exception(s) Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval		
Insti sour appr cons	ng Criteria (regarding permitting) 19 15 17 10 NMAC ructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptable ce 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 ideration of approval. Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria not apply to drying pads or above grade-tanks associated with a closed-loop system.		
	ound 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
(me	hin 300 feet of a continuously flowing watercourse, or 200 feet of any other watercourse, lakebed, sinkhole, or playa lake asured from the ordinary high-water mark). Topographic map, Visual inspection (certification) of the proposed site	Yes	□No
	hin 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial lication.	Yes	No
(Ap	plies to temporary, emergency, or cavitation pits and below-grade tanks)	NA	
~	Visual inspection (certification) of the proposed site, Aerial photo, Satellite image		
	nin 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.	☐Yes ☐NA	No
	Visual inspection (certification) of the proposed site, Aerial photo, Satellite image		
Witt	nin 500 horizonal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering boses, 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.		
adop	nin incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance sted 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
Witi	uin 500 feet of a wetland. US Fish and Wildlife Wetland Identification map, Topographic map; Visual inspection (certification) of the proposed site	Yes	No
	nin the area overlying a subsurface mine. Written confirmation or verification or map from the NM EMNRD - Mining and Mineral Division	Yes	No
With	un an unstable area.	Yes	No
-	Engineering measures incorporated into the design, NM Bureau of Geology & Mineral Resources; USGS; NM Geological lety, Topographic map		
Witl	nin 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
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
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
Previously Approved Operating and Maintenance Plan API
Description District Application Chapters Chapters Park 10.15.17.0 NIMAC
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
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 X Cavitation P&A Permanent Pit Below-grade Tank 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)
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
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
Soft Dackin and Cover Design specifications - based upon the appropriate requirements of Subsection 11 of 13 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 Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel	Tunks or Haul off Rine Only/10 15 17 13 D NMAC)	
Instructions Please identify the facility or facilities for the disposal of liquids, drilling fl		
facilities are required Disposal Facility Name Envirotech / IFJ Landfarm % IEI D	reposal Faculty Pormyt # NIM OL 0011 / NIM 01 00	NIAD
	risposal Facility Permit # NM-01-0011 / NM-01-00 NM-01-005	7108
Will any of the proposed closed-loop system operations and associated activitie	·	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 appropria	ate requirements of Subsection H of 19 15 17 13 NM	ИAC
Re-vegetation Plan - based upon the appropriate requirements of Subsecti		
Site Reclamation Plan - based upon the appropriate requirements of Substance	ection G of 19 15 17 13 NMAC	
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 Reco certain siting criteria may require administrative approval from the appropriate district office or m office for consideration of approval Justifications and/or demonstrations of equivalency are required.	ay be considered an exception which must be submitted to the Sa	
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 obtain	ned 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 obtain	ed 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 - (WATERS database search, USGS, Data obtain	ed from nearby wells	□N/A
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other signification (measured from the ordinary high-water mark)	int watercourse or lakebed, sinkhole, 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 church in ex Visual inspection (certification) of the proposed site. Aerial photo, satellite image	sistence at the time of initial application	Yes No
- visual hispection (certification) of the proposed site. Actial photo, sateline image		∏Yes ∏No
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than purposes, or within 1000 horizontal fee of any other fresh water well or spring, in exister - NM Office of the State Engineer - iWATERS database, Visual inspection (certification)	nce at the time of the initial application	
Within incorporated municipal boundaries or within a defined municipal fresh water well pursuant to NMSA 1978. Section 3-27-3, as amended	·	Yes No
- Written confirmation or verification from the municipality, Written approval obtains the confirmation of verification from the municipality, Written approval obtains the confirmation of verification from the municipality.	ned from the municipality	
Within 500 feet of a wetland - US Fish and Wildlife Wetland Identification map, Topographic map, Visual inspe	ction (certification) of the proposed site	∐Yes ∐No
Within the area overlying a subsurface mine	,	∏Yes ∏No
- Written confiraintion or verification or map from the NM EMNRD-Mining and Mi	neral Division	
Within an unstable area		Yes No
 Engineering measures incorporated into the design, NM Bureau of Geology & Min Topographic map 	eral Resources, USGS, NM Geological Society,	
Within a 100-year floodplain - FEMA map		Yes No
18		
On-Site Closure Plan Checklist: (19 15 17 13 NMAC) Instructions: Each of by a check mark in the box, that the documents are attached.	f the following items must bee attached to the clos	ure 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 17 13 NMAC	
Construction/Design Plan of Burial Trench (if applicable) based upon the	ne 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 appropriat	•	AC
X Waste Material Sampling Plan - based upon the appropriate requirement		s cannot be achieved)
X 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		
Site Reclamation Plan - based upon the appropriate requirements of Sub		

19 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) - Jamya Goodwin - Title Regulatory Technician
Signature (_)amu Goodwu Date Date
e-mail address () jamie I goodwin@conocophillips com Telephone 505-326-9784
20 OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment)
OCD Representative Signature: Approval Date: 4/11/2012
Title: (DM) lance Office OCD Permit Number:
The Copy of the Co
Closure Report (required within 60 days of closure completion): Subsection K of 1915 1713 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 Sta Poolsmation (Photo Documentation)
Site Reclamation (Photo Documentation) Soil Backfilling and Cover Installation
Re-vegetation Application Rates and Seeding Technique
24
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 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 addiess Telephone

Burlington Resources Oil & Gas Company, LP Cavitation Pit for Closed-Loop Locations

Design:

Burlington Resources Oil & Gas Company, LP will use a cavitation pit plan when the surface casing will be pre-set on closed-loop locations. The drill cuttings will be stockpiled on the surface.

Operations and Maintenance:

The cavitation pit will be operated and maintained as follows.

- 1. Only Fresh water and air will be used in the drilling of the surface casing.
- 2. The Cement used will be. Neat Cement with no additives.
- 3. All of the fluids will be removed within 48hrs after drilling.
- 4. A representative five point composite sample will be taken of the drill cuttings, after the setting of the surface casing is complete, using sampling tools and all samples will be tested per Subsection B of 19 15.17.13(B)(1)(b). In the event that the testing criteria is not met, all contents will be dug and hauled per Subparagraph (a) of Paragraph (1) of Subsection B of 19 15.17.13 i.e.

Components	Tests Method	Limit (mg/Kg)
Benzene	EPA SW-846 8021B or 8260B	0.2
BTEX	EPA SW-846 8021B or 8260B	50
TPH	EPA SW-846 418.1	2500
GRO/DRO	EPA SW-846 8015M	500
Chlorides	EPA 300.1	500

The NMOCD will be notified via email of the test results of the cavitation surface as follows

Components	Tests Method	Limit (mg/Kg)	Results
Benzene	EPA SW-846 8021B or 8260B	02	
BTEX	EPA SW-846 8021B or 8260B	50	
TPH	EPA SW-846 418.1	2500	
GRO/DRO	EPA SW-846 8015M	500	
Chlorides	EPA 300.1	500	

Closure Plan:

- 1. The NMOCD will be notified of the sample results and the intent to start the closure process 3-7 days prior to the drill cuttings being transported, moved, or distributed on location.
- 2. In the event the criteria are not met, all solids and liquids will be removed and disposed of at Envirotech (Permit #NM-01-0011) and/or Basin Disposal Facility (Permit #NM-01-005) and/or JFJ Landfarm % Industrial Ecosystem Inc. (Permit # NM-01-0010B).
- 3. Testing results will be submitted with the Closure Report of the well locations Closed-Loop Permit on Form C-144.

Burlington Resources is aware that approval of this plan does not relieve Burlington Resources of liability should operations result in pollution of surface water, ground water, or the environment. Nor does approval relieve ConocoPhillips of its responsibility to comply with any other applicable governmental authority's rules and regulations.