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

District II

1301 W. Grand Ave., Artesia, NM 88210

State of New Mexico Energy Minerals and Natural Resources

Department Oil Conservation Division July 21, 2008

Form C-144

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

District III 1000 Rio Brazos Rd , Aztec, NM 87410	1220 South St. F Santa Fe, NM		For permanent pits and exceptions submit to the Santa Fe Environmental Bureau office and provide a copy to the
District IV 1220 S St Francis Dr , Santa Fe, NM 87505			appropriate NMOCD District Office
	Pit, Closed-Loop System		
Propo	osed Alternative Method I	Permit or Clos	ure Plan Application
Type of action:	Permit of a pit, closed-loop syst	tem, below-grade ta	nk, or proposed alternative method
		_	ank, or proposed alternative method
	Modification to an existing peri		
	Closure plan only submitted for below-grade tank, or proposed		ed or non-permitted pit, closed-loop system,
Instructions: Please submit one ap	ē , i ,		o system, below-grade tank or alternative request
			sult in pollution of surface water, ground water or the governmental authority's rules, regulations or ordinances
Operator: Burlington Resources Oil	& Gas Company, LP		OGRID#: 14538
Address: PO Box 4289, Farmington	n, NM 87499		
Facility or well name: Grenier 1			
API Number: 30	0-045-11005	OCD Permit Number	
U/L or Qtr/Qtr: O(SW/SE) Section	 '		1W County: San Juan
Center of Proposed Design: Latitude:		Longitude:	108.02715 °W NAD: X 1927 1983
Surface Owner: X Federal	State Private Tr	ribal Trust or Indian	Allotment
Pit: Subsection F or G of 19 15 17			RCVD MAY 23'12 OIL CONS. DIV.
Temporary Drilling Work Permanent Emergency Ca	avitation P&A		DIST. 3
	ner type Thickness mil	LLDPE	HDPE PVC Other
String-Reinforced			
Liner Seams Welded Fa	ctory Other	Volume	bbl Dimensions Lx Wx D
X Closed-loop System: Subsection	on H of 19 15 17 11 NMAC		· ·
Type of Operation X P&A	_	r Drilling (Applies to a	activities which require prior approval of a permit or
	notice of inte	ent)	
	d Steel Tanks Haul-off Bins	Other	
Lined Unlined Liner Liner Seams Welded Fac	type Thicknessmil	LLLDPE H	DPE PVD Other
		-	
Below-grade tank: Subsection I	of 19 15 17 11 NMAC		
Volumebb	l Type of fluid		
Tank Construction material			
Secondary containment with leak dete	ection Visible sidewalls, liner	r, 6-inch lift and auton	natic overflow shut-off
Visible sidewalls and liner	Visible sidewalls only Otl		
Liner Type Thickness	milHDPEPVC	Other	
5 Alternative Method:			
Submittal of an exception request is requ	ired Exceptions must be submitted to tl	he Santa Fe Environm	ental 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)				
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 Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval	sideration of aj	oproval		
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) - Visual inspection (certification) of the proposed site; Aerial photo, Satellite image	□NA			
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. (Applied to permanent pits) - Visual inspection (certification) of the proposed site, Aerial photo, Satellite image	☐Yes ☐NA	No		
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				
12				
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				
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				
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 P&A Permanent Pit Below-grade Tank Closed-loop System				
Alternative				
Proposed Closure Method				
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. Destroyle and Procedures, based was a the appropriate consideration of 10.15.17.13 NIMAC.				
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				

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16 Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Ste	eel 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 facilities are required	g fluids and drill cuttings Use attachment if more than two	,			
Disposal Facility Name	Disposal Facility Permit #				
Disposal Facility Name	Disposal Facility Permit #				
Will any of the proposed closed-loop system operations and associated activiting 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 Re-vegetation Plan - based upon the appropriate requirements of Subset Site Reclamation Plan - based upon the appropriate requirements of Su	nate requirements of Subsection H of 19 15 17 13 NMA ection I of 19 15 17.13 NMAC	AC			
17 Siting Criteria (Regarding on-site closure methods only: 19 15 17 10 NMA Instructions Each sting criteria requires a demonstration of compliance in the closure plan certain siting criteria may require administrative approval from the appropriate district office	Recommendations of acceptable source material are provided				
office for consideration of approval Justifications and/or demonstrations of equivalency are		The Bund Te Invivolmental Dureun			
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 obt	ained from nearby wells	□N/A			
Ground water is between 50 and 100 feet below the bottom of the buried wast	e	Yes No			
- NM Office of the State Engineer - iWATERS database search, USGS, Data obta	ained 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 obta	ained from nearby wells	□ N/A			
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or playa lake (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 c - Visual inspection (certification) of the proposed site, Aerial photo, satellite image		Yes No			
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Within 500 horizontal feet of a private, domestic fresh water well or spring that less the 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)	ence at the time of the initial application				
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 obta Within 500 feet of a wetland 	inea from the municipality	∏Yes ∏No			
- US Fish and Wildlife Wetland Identification map, Topographic map, Visual insp	ection (certification) of the proposed site				
Within the area overlying a subsurface mine		Yes No			
- Written confirantion 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 & Mi Topographic map 	neral 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 by a check mark in the box, that the documents are attached.	of the following items must bee attached to the closu	re plan. Please indicate,			
Siting Criteria Compliance Demonstrations - based upon the appropriat	e 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			

Form C-144 Oil Conservation Division

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) Title.
Signature Date
e-mail address Telephone
20 OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature: Approval Date: 5/23/2072 Title: OCD Permit 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 X Closure Completion Date: 4/24/2012
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 <u>Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only:</u> 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 Envirotech / JFJ Landfarm % IEI Disposal Facility Permit Number NM-01-0011 / NM-01-0010B
Disposal Facility Name Basin Disposal Facility Disposal Facility Permit Number NM-01-005
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
Ste 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 LatitudeLongitudeNAD 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) Dollie L. Busse _ Title Staff Regulatory Technician
Signature. Date 5/16/12
e-mail address dollie.l busse@conocophillips.com Telephone. (505) 324-6104