District I 1625 N French Dr , Hobbs, NM 88240

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

1301 W Grand Ave , Artesia, NM 88210 District III 1000 Rio Biazos Rd, Aztec, NM 87410

<u>District IV</u> 1220 S St Francis Dr , Santa Fe, NM 87505	appropriate NMOCD District Office					
(220 b) St. Francis Dr., Banka Fe, 1911 07505	Pit, Closed-Loop System, Below-Grade Tank, or					
Type of action	osed Alternative Method Permit or Closure Plan Application					
Type of action	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					
•	oplication (Form C-144) per individual pit, closed-loop system, below-grade tank or alternative request					
environment Nor does approval reli	this request does not relieve the operator of hability should operations result in pollution of surface water, ground water or the eve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances					
1   Operator   Burlington Resources Oi	& Gas Company, LP OGRID#. 14538					
Address PO Box 4289, Farmingto	n, NM 87499					
Facility or well name San Juan 30-	6 Unit 443S					
API Number. 30	0-039-27284 OCD Permit Number					
U/L or Qtr/Qtr O(SW/SE) Section	on: 36 Township: 30N Range 6W County. Rio Arriba					
Center of Proposed Design Latitude						
Surface Owner Federal	X State X Private Tribal Trust or Indian Allotment					
Permanent Emergency C Lincd Unlined Li String-Reinforced Liner Seams Welded Fa    X Closed-loop System: Subsect Type of Operation X P&A	RCVD SEP 26 '12  OIL CONS. DIV. avitation P&A DIST. 3  mer type Thickness mil LLDPE HDPE PVC Other  ctory Other Volume bbl Dimensions L x W x D  on H of 19 15 17 11 NMAC  Drilling a new well Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent)  and Steel Tanks Haul-off Bins Other					
Lined Unlined Line	type Thickness mil LLDPE HDPE PVD Other ctory Other					
Below-grade tank: Subsection I  Volume b  Tank Construction material  Secondary containment with leak de  Visible sidewalls and liner  Liner Type Thickness						
5 Alternative Method: Submittal of an exception request is requ	ured Exceptions must be submitted to the Santa 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, insti  Four foot height, four strands of barbed wire evenly spaced between one and four feet  Alternate Please specify	itution or chur	rch)
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)		
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  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 consi (Fencing/BGT Liner)	deration of ap	proval
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.		
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 - 1WATERS 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.		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.	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 - tWATERS 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
<ul> <li>Written confirmation or verification from the municipality, Written approval obtained from the municipality</li> <li>Within 500 feet of a wetland.</li> <li>US Fish and Wildlife Wetland Identification map, Topographic map, Visual inspection (certification) of the proposed site</li> </ul>	Yes	No
Within the area overlying a subsurface mine.	Yes	No
<ul> <li>Written confirmation or verification or map from the NM EMNRD - Mining and Mineral Division</li> <li>Within an unstable area.</li> <li>Engineering measures incorporated into the design, NM Bureau of Geology &amp; Mineral Resources, USGS, NM Geological</li> </ul>	Yes	No
Society, Topographic map  Within a 100-year floodplain  - FFMA 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 MMAC					
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					
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.					
Alternative   Proposed Closure Method  Waste Excavation and Removal					
Waste Excavation and Removal					
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					
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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Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Stee					
Instructions Please identify the facility or facilities for the disposal of liquids, drilling facilities are required	juuas ana arui cuttings Use	анаснтені іј тоге man iwo			
Disposal Facility Name Envirotech / JFJ Landfarm / IEI	Disposal Facility Permit #	NM-01-0011 / NM-01-00	10B		
Disposal Facility Name Basin Disposal Facility	Disposal Facility Permit #	NM-01-005			
Will any of the proposed closed-loop system operations and associated activities  Yes (If yes, please provide the information No	es occur on or in areas that i	vill not be used for future s	ervice and		
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 Subsect	on H of 19 15 17 13 NMA	C		
Re-vegetation Plan - based upon the appropriate requirements of Subsec					
Site Reclamation Plan - based upon the appropriate requirements of Sub-	osection G of 19 15 17 13 N	MAC			
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. 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 Le Environmental Bureau 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 - (WATERS database search, USGS) Data obtain	nined 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 obta	ined 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 obta	ined 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 e - Visual inspection (certification) of the proposed site, Aerial photo, satellite image		pplication	∐Yes ∐No		
			Yes No		
Within 500 horizontal feet of a private, domestic fresh water well or spring that less that 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 (certific	ence at the time of the initial ap	- I			
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			Yes No		
Within 500 feet of a wetland  - US Fish and Wildlife Wetland Identification map, Topographic map, Visual inspection (certification) of the proposed site		posed site	☐1es ☐140		
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	unaral Passurass LISGS NM (	Gaslaviani Saciety	∐Yes ∐No		
<ul> <li>Engineering measures incorporated into the design, NM Bureau of Geology &amp; Mills I opographic map</li> </ul>	metal Resources, 0303, NWI	Deological 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 mus	st 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 dry	ing pad) - based upon the ap	propriate requirements of 1	9 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	e requirements of Subsection	n F of 19 15 17 13 NMAC			
Waste Material Sampling Plan - based upon the appropriate requiremen					
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 Sul					

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) Dolle Busser Title Staff Regulatory Technician
Signature Date 9/25/12
e-mail address dollie i busse@conocophillips.com Telephone 505-324-6104
20 OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment)
OCD Representative Signature: Approval Date: 10/02/2012
Title: GMPlance VOTTE OCD Permit Number:
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:
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  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
Operator Closure Certification:  Thereby 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.