District I
1625 N French Dr , Hobbs, NM 88240
District II
1301 W Grand Ave , Artesia, NM 88210

District III

State of New Mexico Energy Minerals and Natural Resources

July 21, 2008 For temporary pits, closed-loop sytems, and below-grade tanks, submit to the appropriate NMOCD District Office

Form C-144

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

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

1000 Rio Brazos Rd, Aztec, NM 87410

87505	appropriate NMOCD District Office
	Pit, Closed-Loop System, Below-Grade Tank, or
Prop	osed Alternative Method Permit or Closure Plan Application

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NO.	Type of action:	X Permit of a pit, closed-loop sys	stem, below-grade	tank, or proposed al	ternative method
$\sim$		Closure of a pit, closed-loop sy	stem, below-grad	le tank, or proposed a	alternative method
		Modification to an existing per	mit		
		Closure plan only submitted fo		•	ed pit, closed-loop system,
	Df f t	below-grade tank, or proposed			
		application (Form C-144) per indivi of this request does not relieve the operator of he	_	-	_
	• • • • • • • • • • • • • • • • • • • •	elieve the operator of its responsibility to comply		•	• •
1 Operator: <b>Burl</b> i	ington Resources C	Dil & Gas Company, LP		OGRID#: <u>145</u> 3	38
	3ox 4289, Farmingt				
Facility or well r	name: San Juan 30	0-6 Unit 415S			
API Number:		30-039-27738	OCD Permit Nun	nber:	
U/L or Qtr/Qtr:	D(NW/NW) Sect	tion: 26 Township: 30N	Range:	7W County:	Rio Arriba
	sed Design: Latitud		Longitude: _	107.54593	<u>°W</u> NAD: <b>X</b> 1927  1983
Surface Owner:	X Federal	State Private T	ribal Trust or Ind	lian Allotment	
2					
	ection F or G of 19 15				RCVD JAN 25 '12
Temporary.		orkover		•	OIL CONS. DIV.
Permanent		Cavitation P&A  Liner type Thickness mil	LLDPE	☐ HDPE ☐ PVC☐	Other DIST. 3
String-Reinf	ш	incress			
Liner Seams		Factory Other	Volume	bbl Dimension	s Lx Wx D
3					
i	oop System: Subsec	ction H of 19 15 17 11 NMAC			
Type of Operati	ion X P&A	Drilling a new well Workover of notice of in	•	to activities which requ	uire prior approval of a permit or
Drying Pa	ad X Above Gro	ound Steel Tanks Haul-off Bins	Other		
Lined [		ner type Thicknessmil	LLDPE	HDPE PVD	Other
Liner Seams:	Welded	Factory Other	_		
4		<u> </u>	,		
Below-gra	ide tank: Subsection	n I of 19 15.17 11 NMAC			
Volume		bbl Type of fluid:	<u></u>		
Tank Construct	····	detection Visible adequals Im	er 6 inch luft and a	utomatic overflow shut	-off
	containment with leak of dewalls and liner		other	utomatic overnow shut	-011
Liner Type	Thickness	mil HDPE PVC			·
5 Alternati	ive Method:				
Submittal of an	exception request is re	equired Exceptions must be submitted to	the Santa Fe Envir	onmental Bureau office	for consideration of approval
	- •	•			

Foreign Cubaction D of 10 15 17 11 NIMAC (doubt a superior of the superior of		
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, ins	titution or chui	rch)
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 cons  (Fencing/BGT Liner)	ideration 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.	□Yes	□No
- NM Office of the State Engineer - iWATERS database search; USGS, Data obtained from nearby wells		Ш
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	Yes	∐No
application.	<sub>                                    </sub>	
(Applies to temporary, emergency, or cavitation pits and below-grade tanks)  - Visual inspection (certification) of the proposed site, Aerial photo; Satellite image	∐ <sup>NA</sup>	
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.	Yes	□No
		Шио
(Applied to permanent pits)  - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	∐ <sup>NA</sup>	
	l Dves	□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	
- 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		
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.	□ <sub>Yes</sub>	$\square_{No}$
- Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources, USGS; NM Geological	""	⊔.,,
Society; Topographic map		_
Within a 100-year floodplain	Yes	∐No
= 1 EXVIEW 0800		

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
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
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
14 Proceed Charges 10 15 17 12 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 XP&A Permanent Pit Below-grade Tank X Closed-loop System
Alternative Proposed Closure Method Waste Excavation and Removal
Troposed Closure Method   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
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 Page 3 of 5

16  Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Instructions Please identify the facility or facilities for the disposal of liquids, drilling j							
facilities are required	ninas ana arin cunings Ose anachmeni y more man iw	<i>,</i> 0					
Disposal Facility Name Envirotech / JFJ Landfarm % IEI I	Disposal Facility Permit #: NM-01-0011 / NM-01-	0010B					
Disposal Facility Name Basin Disposal Facility I	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	s occur on or in areas that will not be used for futur	e service and					
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 comphance in the closure plan a certain siting criteria may require administrative approval from the appropriate district office office for consideration of approval Justifications and/or demonstrations of equivalency are referenced.	or may be considered an exception which must be submitted						
Ground water is less than 50 feet below the bottom of the buried waste - NM Office of the State Engineer - IWATERS database search, USGS Data obtai	ned from nearby wells	Yes No					
Control of the contro	•	☐Yes ☐No					
Ground water is between 50 and 100 feet below the bottom of the buried waste  - NM Office of the State Engineer - tWATERS database search, USGS, Data obtain	ned 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 obtain	ned from nearby wells	N/A					
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significa (measured from the ordinary high-water mark)	Ycs 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	istence at the time of initial application	Yes No					
		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						
<ul> <li>Written confirmation or verification from the municipality, Written approval obtain</li> <li>Within 500 feet of a wetland</li> <li>US Fish and Wildlife Wetland Identification map, Topographic map, Visual inspect</li> </ul>		Yes No					
Within the area overlying a subsurface mine	(tertification) of the proposed site	☐Yes ☐No					
- Written confirantion or verification or map from the NM EMNRD-Mining and Min	neral Division						
Within an unstable area - Engineering measures incorporated into the design, NM Bureau of Geology & Min	Yes No						
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 by a check mark in the box, that the documents are attached.	of the following items must bee attached to the clo	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 dryin		f 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 Subsect							
Site Reclamation Plan - based upon the appropriate requirements of Subs	section G of 19 15 17 13 NMAC						

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): CRYSTAL TAFOYA Title STAFF REGULATORY TECHNICIAN
Signature Coofal Takeya Date. 1/24/2012
e-mail address. crystal.tafoya@conocophilips.com Telephone: (505) 326-9837
o man address.
20 OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature: Approval Date: 1/25/2012 Title: CTMOLIGACE OFFICE OCD Permit Number:
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.  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:
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).  Signature:  Date:
c-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.