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

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

1301 W Grand Ave , Artesia, NM 88210 District III

Department Oil Conservation Division 1220 South St. Francis Dr.

1220 S	St	Francis	Dr,	Santa	Fe,	NM	875
1	(a)					Pro

1000 Rio Brazos Rd , Aztec, NM 87410 <u>District IV</u> 1220 S St Francis Dr , Santa Fe, NM 87505	Santa Fe, NM 87505	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-Gra	ade Tank, or
10 Prop	posed Alternative Method Permit or Cle	
Type of action	X Permit of a pit, closed-loop system, below-grade	e tank, or proposed alternative method
,	Closure of a pit, closed-loop system, below-grad	
	Modification to an existing permit	<i>y</i> 1 1
	Closure plan only submitted for an existing permodelow-grade tank, or proposed alternative method	
Instructions: Please submit one of	application (Form C-144) per individual pit, closed-l	loop system, below-grade tank or alternative request
	of this request does not relieve the operator of liability should operation	
1	lieve the operator of its responsibility to comply with any other applical	one governmental authority's rules, regulations or ordinances
Operator. Burlington Resources O	oil & Gas Company, LP	OGRID# 14538
Address PO Box 4289, Farmingt	on, NM 87499	
Facility or well name. Mar Vista S	SWD 1	
API Number3	30-045-35126 OCD Permit Num	nber
U/L or Qtr/Qtr N(SE/SW) Sect	ion 2 Township 29N Range	11W County. San Juan
Center of Proposed Design. Latitud	e <u>36.748362</u> °N Longitude	107.961369 °W NAD. 1927 X 1983
Surface Owner. Federal	X State Private Tribal Trust or Ind	lian Allotment
Permanent Emergency Lined Unlined L String-Reinforced Liner Seams Welded F 3 X Closed-loop System: Subsect Type of Operation P&A Drying Pad X Above Ground Lined Unlined Line	Cavitation P&A Liner type Thickness mil LLDPE Factory Other Volume Stion H of 19 15 17 11 NMAC Drilling a new well X Workover or Drilling (Applies notice of intent) und Steel Tanks Haul-off Bins Other	RCVD MAR 1 '12 OIL CONS. DIV. DIST. 3 HDPE PVC Other x w x D to activities which require prior approval of a permit or HDPE PVD Other
Volume Tank Construction material Secondary containment with leak do Visible sidewalls and liner Liner Type Thickness	I of 19 15 17 11 NMAC bbl Type of fluid etection Visible sidewalls, liner, 6-inch lift and au Visible sidewalls only Other mil HDPE PVC Other	utomatic overflow shut-off
Alternative Method: Submittal of an exception request is rec	quired Exceptions must be submitted to the Santa Fe Enviro	onmental 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 scieening 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	ideration of ap	proval		
Siting Criteria (regarding permitting) 19 15 17 10 NMAC Instructions: The applicant must demonstrate compliance for each sung 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.	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 - 1WATERS 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				
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 (1) 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 X 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				
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Waste Removal Closure For Closed-loop Systems That Utilize Above Ground St. Instructions Please identify the facility or facilities for the disposal of liquids, drillin				
facilities are required	December 1. December 11.	NN 4 01 0011 /NN 4 01 04	NOD	
Disposal Facility Name Envirotech / JFJ Landfarm % IEI	Disposal Facility Permit #		0108	
Disposal Facility Name Basin Disposal Facility Disposal Facility Permit # NM-01-005 Will any of the proposed closed-loop system operations and associated activities occur on or in areas that will not be used for future 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 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 Su				
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 for consideration of approval Instifications and/or demonstrations of equivalency are	r Recommendations of acceptable ce or may be considered an excep	tion which must be submitted to		
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 ob	tained from nearby wells		Yes No	
Ground water is between 50 and 100 feet below the bottom of the buried wasi - NM Office of the State Engineer - iWATERS database search, USGS, Data obt			☐ Yes ☐ No ☐ N/A	
Ground water is more than 100 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search, USGS, Data obt	ained from nearby wells		☐Yes ☐No ☐N/A	
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significances (measured from the ordinary high-water mark)	·	nkhole, 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 - Visual inspection (certification) of the proposed site, Aerial photo, satellite imag		pplication	∐Yes ∐No	
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 a NM Office of the State Engineer - iWATERS database, Visual inspection (certification)	tence at the time of the initial ap		∐Yes ∐No	
Within incorporated municipal boundaries or within a defined municipal fresh water w pursuant to NMSA 1978, Section 3-27-3, as amended	vell field covered under a munici	pal ordinance adopted	Yes No	
 Written confirmation or verification from the municipality, Written approval obt Within 500 feet of a wetland US Fish and Wildlife Wetland Identification map, Topographic map, Visual ins 		posed site	Yes No	
Within the area overlying a subsurface mine - Written confirantion or verification or map from the NM EMNRD-Mining and I	Muneral Division		Yes No	
Within an unstable area - Engineering measures incorporated into the design, NM Bureau of Geology & M		Geological Society,	Yes No	
Topographic map Within a 100-year floodplain FEMA map			Yes No	
- FEMA map				
On-Site Closure Plan Checklist: (19 15 17 13 NMAC) Instructions Each by a check mark in the box, that the documents are attached.			re plan. Please indicate,	
Siting Criteria Compliance Demonstrations - based upon the appropriate Proof of Surface Owner Notice - based upon the appropriate requirements	•			
Construction/Design Plan of Burial Trench (if applicable) based upon				
Construction/Design Plan of Temporary Pit (for in place burial of a dr	ying pad) - based upon the ap		19 15 17 11 NMAC	
Protocols and Procedures - based upon the appropriate requirements o		- 440484-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-		
Confirmation Sampling Plan (if applicable) - based upon the appropriate requirement	•			
Waste Material Sampling Plan - based upon the appropriate requireme Disposal Facility Name and Permit Number (for liquids, drilling fluids			annot be achieved)	
Soil Cover Design - based upon the appropriate requirements of Subse			annot be abilition;	
Re-vegetation Plan - based upon the appropriate requirements of Subse				
Site Reclamation Plan - based upon the appropriate requirements of Si	ubsection G of 19 15 17 13 N	MAC		

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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
e-mail address <u>crystal tafoya@conocoptrillips.com</u> Telephone (505) 326-9837
20 OCD Approval: Permit Application (including closufe plan) Closure Plan (only) OCD Conditions (see attachment)
OCD Representative Signature:Approval Date:
Title: OCD Permit Number:
21
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:
Closure Completion Date.
Claure Mathod
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
Clasura Panart Pagarding Wasta Pamayal Clasura Fan Clasud Ioan Systems That Heliza Abaya Craund Steel Tanks on Hayl off Pina Only
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
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 (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
a mail address

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.