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

July 21, 2008 For temporary pits, closed-loop sytems, and below-grade

Form C-144

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

tanks, submit to the appropriate NMOCD District Office

For permanent pits and exceptions submit to the Santa Fe Environmental Bureau office and provide a copy to the

1000 Rio Brazos Rd, Aztec, NM 87410 District IV

1220 S St Francis Dr , Santa Fe, NM 87505		appropriate NMOCD Di	strict Office
	Pit, Closed-Loop System	, Below-Grade Tank, or	
Propo	sed Alternative Method I	Permit or Closure Plan Applic	<u>cation</u>
Type of action:	=	em, below-grade tank, or proposed alterr	
O		stem, below-grade tank, or proposed alter	rnative method
	Modification to an existing peri		5. 1. 11
	below-grade tank, or proposed	r an existing permitted or non-permitted palternative method	oit, closed-loop system,
Instructions: Please submit one ap		lual pit, closed-loop system, below-grad	e tank or alternative request
		bility should operations result in pollution of surface with any other applicable governmental authority's rule	. •
Operator: Burlington Resources Oi	& Gas Company, LP	OGRID#: <u>14538</u>	
Address: PO Box 4289, Farmingto	n, NM 87499		
Facility or well name: Mangum 6			
	0-045-25721	OCD Permit Number	
U/L or Qtr/Qtr: O(SW/SE) Section		Range: 11W County: Sa	
Center of Proposed Design: Latitude		\	W NAD: X 1927 1983
Surface Owner: X Federal	State Private T	ribal Trust or Indian Allotment	
Permanent Emergency C Lined Unlined Li String-Reinforced Liner Seams Welded Fa	II NMAC kover avitation P&A ner type: Thickness mil	LLDPE HDPE PVC Volume bbl Dimensions L	Other x W x D
X Closed-loop System: Subsect Type of Operation P&A	on H of 19 15 17 11 NMAC Drilling a new well X Workover o notice of int	r Drilling (Applies to activities which require ent)	prior approval of a permit or
Lined Unlined Line	nd Steel Tanks Haul-off Bins type Thickness mil ectory Other	Other LLDPE HDPE PVD O	N Dro-
,	of 19.15 17 11 NMAC		2020 JUN 2011
Tank Construction material.			OIL CONS. DIV. DIST. 3
Secondary containment with leak de Visible sidewalls and liner Liner Type Thickness		r, 6-inch lift and automatic overflow shut-off ther	OIL CONS. DIV. DIST. 3 OIL CONS. DIV. DIST. 3
5 Alternative Method:			
Submittal of an exception request is req	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, ins Four foot height, four strands of barbed wire evenly spaced between one and four feet Alternate Please specify	titution or chu	ırch)
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	ideration of ap	pproval
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)	Yes NA	No
 Visual inspection (certification) of the proposed site; Aerial photo, Satellite image 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				
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				
Treviously Approved Operating and ivialine fails Air				
13 Decreased Pite Provide Application Charleton Charlet				
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.				
Type Drilling Workover Emergency 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				
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 Steel Instructions Please identify the facility or facilities for the disposal of liquids, drilling fl facilities are required	Tanks or Haul-off Bins Only: (19 15 17 13.D NMAC) and drill cuttings Use attachment if more than two			
Disposal Facility NameD	sposal Facility Permit #			
	isposal Facility Permit #			
Will any of the proposed closed-loop system operations and associated activities Yes (If yes, please provide the information No		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 appropriate Re-vegetation Plan - based upon the appropriate requirements of Subsecti Site Reclamation Plan - based upon the appropriate requirements of Subsecti	on I of 19 15 17 13 NMAC	С		
17				
Siting Criteria (Regarding on-site closure methods only: 19 15 17 10 NMAC Instructions. Each stung criteria requires a demonstration of compliance in the closure plan Recertain siting criteria may require administrative approval from the appropriate district office of office for consideration of approval Justifications and/or demonstrations of equivalency are re-	r may be considered an exception 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 obtain	ed from nearby wells	Yes No		
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	□ res □ ino □ I		
·				
Ground water is more than 100 feet below the bottom of the buried waste		∐Yes ∐No		
- NM Office of the State Engineer - tWATERS database search, USGS, Data obtained	ed from nearby wells	∐N/A		
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant (measured from the ordinary high-water mark).	t watercourse or lakebed, sınkhole, 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 exist - Visual inspection (certification) of the proposed site, Aerial photo, satellite image	stence 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 existence - NM Office of the State Engineer - iWATERS database, Visual inspection (certificat	ce 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 obtains Within 500 feet of a wetland 	ed from the municipality			
- US Fish and Wildlife Wetland Identification map, Topographic map, Visual inspect	ion (certification) of the proposed site	∐Yes ∐No		
Within the area overlying a subsurface mine.	` ' '	□Yes □No		
- Written confirantion or verification or map from the NM EMNRD-Mining and Min	eral Division			
Within an unstable area		Yes No		
 Engineering measures incorporated into the design, NM Bureau of Geology & Mine Topographic map 	ral 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.	the following items must bee attached to the closu.	re plan. Please indicate,		
Siting Criteria Compliance Demonstrations - based upon the appropriate i	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				
Ste Reclamation Plan - based upon the appropriate requirements of Subsection				

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19 Operator Application Contifications
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
OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature: Approval Date: 6/27/2011 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: 3/29/2011
22 Closure Method: Waste Excavation and Removal On-site Closure Method Alternative Closure Method X Waste Removal (Closed-loop systems only)
If different from approved plan, please explain
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. Disposal Facility Name Disposal Facility Name Basin Disposal Facility Disposal Facility Permit Number Disposal Facility Permit Number 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 opeartions?
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
Te-vegetation Application Rates and Security Terminque
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) CRYSTAL TAFOYA Title STAFF REGULATORY TECHNICIAN
Signature Lafaya Date 6/23/11
e-mail address <u>crystal.tafoya@conocophillips.com</u> Telephone (505) 326-9837