<u>District 1</u> 1625 N French Dr , Hobbs, NM 88240 State of New Mexico
Energy Minerals and Natural Resources

Form C-144 July 21, 2008

<u>District II</u> 1301 W Grand Ave., Artesia, NM 88210 <u>District III</u> Department
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

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

1000 Rio Brazos Rd , Aztec, NM 87410

District IV
1220 S 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 appropriate NMOCD District Office

Pit, Closed-Loop System, Below-Grade Tank, or Proposed Alternative Method Permit or Closure Plan Application
Type of action: 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
Instructions: Please submit one application (Form C-144) per individual pit, closed-loop system, below-grade tank or alternative request Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.
Operator: Burlington Resources Oil & Gas Company, LP OGRID#: 14538
Address: PO Box 4289, Farmington, NM 87499
Facility or well name: Canyon Largo Unit NP 162
API Number: 30-039-20312 OCD Permit Number
U/L or Qtr/Qtr: A(NE/NE) Section: 6 Township: 25N Range: 6W County: Rio Arriba
Center of Proposed Design: Latitude: 36.4321 °N Longitude: 107.50191 °W NAD: X 1927 1983 Surface Owner: X Federal State Private Tribal Trust or Indian Allotment
Pit: Subsection F or G of 19 15 17 11 NMAC Temporary Drilling Workover Permanent Emergency Cavitation P&A Lined Unlined Liner type Thickness mil LLDPE HDPE PVC Other String-Reinforced Liner Seams Welded Factory Other Volume bbl Dimensions L x W x D
3 X Closed-loop System: Subsection H of 19.15 17 11 NMAC Type of Operation X P&A Drilling a new well Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent)
Drying Pad X Above Ground Steel Tanks Haul-off Bins Other Lined Unlined Liner type Thickness mil LLDPE HDPE PVD Other Liner Seams Welded Factory Other
Below-grade tank: Subsection I of 19.15 17 11 NMAC Volume
Visible sidewalls and liner Visible sidewalls only Other Liner Type Thickness mil HDPE PVC Other
5 Alternative Method:

Submittal of an exception request is required 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, institution or church) 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)				
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				
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 consideration of approval (Fencing/BGT Liner)				
Exception(s) Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval				
10				
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)	NA			
- Visual inspection (certification) of the proposed site; Aerial photo, Satellite image				
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 - 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 vertification 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	Yes	No		
Society, Topographic map Within a 100-year floodplain - FEMA map	Yes	No		

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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
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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16 Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Str	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, drillin 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	ies occur on or in areas that will not be used for future	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 Re-vegetation Plan - based upon the appropriate requirements of Subsection Site Reclamation Plan - based upon the appropriate requirements of Subsection Plan - based upon the appropriate requirements.	nate requirements of Subsection H of 19 15 17 13 NMA action I of 19 15 17 13 NMAC	aC
17		
Siting Criteria (Regarding on-site closure methods only: 19 15 17 10 NMA Instructions Each siting 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 Justifications and/or demonstrations of equivalency are	n Recommendations of acceptable source material are provided ce or 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 ob	tained from nearby wells	Yes No
Ground water is between 50 and 100 feet below the bottom of the buried wast		□ □Yes □No
- NM Office of the State Engineer - IWATERS database search, USGS, Data obt		□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 obt	ained from nearby wells	□N/A
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other signific (measured from the ordinary high-water mark)	cant 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 - Visual inspection (certification) of the proposed site, Aerial photo, satellite image	• • • • • • • • • • • • • • • • • • • •	Yes No
		Yes No
Within 500 horizontal feet of a private, domestic fresh water well or spring that less th purposes, or within 1000 horizontal fee of any other fresh water well or spring, in exis - NM Office of the State Engineer - iWATERS database, Visual inspection (certification)	tence at the time of the initial application	
Within incorporated municipal boundaries or within a defined municipal fresh water w 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 HE Fish and Widdle Wesland Haute factors are Transported from the municipality.	, ,	Yes No
 US Fish and Wildlife Wetland Identification map, Topographic map, Visual insp Within the area overlying a subsurface mine 	pection (certification) of the proposed site	□Ves □No
Written confiramtion or verification or map from the NM EMNRD-Mining and M.	Mineral Division	
Within an unstable area		Yes No
 Engineering measures incorporated into the design, NM Bureau of Geology & M. Topographic map 	lineral 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 closs	re plan. Please indicate,
Siting Criteria Compliance Demonstrations - based upon the appropria	•	
Proof of Surface Owner Notice - based upon the appropriate requireme		
Construction/Design Plan of Burial Trench (if applicable) based upon t		
Construction/Design Plan of Temporary Pit (for in place burial of a dry		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 Subset	-	annot be deficied.
Re-vegetation Plan - based upon the appropriate requirements of Subse		
Site Reclamation Plan - based upon the appropriate requirements of Su	bsection 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) 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: 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: 9/15/2011			
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			
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 compliant to the items below) XNO			
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			
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 L 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 Jofal Tajaza Date 10/5/2011			
e-mail address <u>crystal tafoya@conocophillips com</u> Telephone (505) 326-9837			