District 1

1625 N French Dr., Hobbs, NM 88240

District II

1301 W Grand Ave, Artesia, NM 88210

District III

1000 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico **Energy Minerals and Natural Resources**

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

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

Form C-144

For permanent pits and exceptions submit to the Santa Fe

<u>vistrict IV</u> 220 S. St. Francis Dr., Santa Fe, NM 8750:	appropriate NMOCD District Office
Dwa	Pit, Closed-Loop System, Below-Grade Tank, or
Type of action:	oosed Alternative Method Permit or Closure Plan Application X Permit of a pit, closed-loop system, below-grade tank, or proposed alternative method
200	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
	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: DAY B 4N API Number: 30-045-34147 OCD Permit Number U/L or Otr/Otr: N(SE/SW) Section: 7 Township: 27N Range: County: San Juan ٥N 107,723707 **°W** NAD: **X** 1927 Center of Proposed Design: Latitude: 36.584772 Longitude: Private Tribal Trust or Indian Allotment Surface Owner: X Federal State Pit: Subsection F or G of 19 15 17 11 NMAC Temporary Drilling Workover Permanent Emergency Cavitation P&A Thickness mil LLDPE HDPE PVC Other Lined Unlined Liner type String-Reinforced Liner Seams Volume. bbl Dimensions L X Closed-loop System: Subsection H of 19 15 17 11 NMAC Type of Operation: Drilling a new well X Workover or Drilling (Applies to activities which require prior approval of a permit or P&A notice of intent) X Above Ground Steel Tanks Haul-off Bins Other Unlined LLDPE HDPE PVD Other Lined Thickness mıl Liner type Liner Seams Welded Factory Other Below-grade tank: Subsection I of 19 15 17.11 NMAC Volume bbl Type of fluid. Tank Construction material Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off Secondary containment with leak detection Visible sidewalls only Visible sidewalls and liner Other Liner Type Thickness HDPE PVC Other mil

Alternative Method:

Form C-144

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						
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 (Fencing/BGT Liner) 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 - 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) - 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 - 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	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				
12				
Closed-loop Systems Permit Application Attachment Checklist: Subsection B of 19 15 17 9 NMAC Instructions: Lach 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				
\overline{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				
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 X Workover Emergency Cavitation 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)				
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 Abo Instructions Please identify the facility or facilities for the disposal of	ve Ground Steel Tanks or Haul-off Bins On	ly: (19 15 17 13 D NMAC)		,			
facilities are required							
Disposal Facility Name Envirotech / JFJ Landfarm % IEI		NM-01-0011 / NM-01-001	<u>0B</u>				
Disposal Facility Name Basin Disposal Facility	NM-01-005	muoo and					
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 Subsection G of 19 15 17 13 NMAC							
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 stling 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 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 - NM Office of the State Engineer - iWATERS database search, t			Yes N/A	No			
Ground water is between 50 and 100 feet below the bottom of the	e buried waste		☐Yes	□No			
- NM Office of the State Engineer - 1WATERS database search, U			□N/A				
Ground water is more than 100 feet below the bottom of the bur	ed waste		Yes	No			
- NM Office of the State Engineer - (WATERS database search, U	SGS, Data obtained from nearby wells		□N/A				
Within 300 feet of a continuously flowing watercourse, or 200 feet of a (measured from the ordinary high-water mark)	ny other significant watercourse or lakebed, si	nkhole, or playa lake	Yes	No			
- Topographic map, Visual inspection (certification) of the propose			Пv				
Within 300 feet from a permanent residence, school, hospital, institution - Visual inspection (certification) of the proposed site, Aerial photo		pplication.	Yes	∐No			
Within 500 horizontal 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 fee of any other fresh water well or spring, in existence at the time of the initial application - NM Office of the State Engineer - iWATERS database, 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		ipal ordinance adopted	Yes	□No			
 Written confirmation or verification from the municipality, Written Within 500 feet of a wetland 	en approval obtained from the municipality		Yes	No			
- US Fish and Wildlife Wetland Identification map, Topographic n	nap, Visual inspection (certification) of the pro	posed site	_				
Within the area overlying a subsurface mine - Written confirantion or verification or map from the NM EMNR.	Within the area overlying a subsurface mine - Written confiramtion or verification or map from the NM EMNRD-Mining and Mineral Division		Yes	∐No			
Vithin an unstable area - Engineering measures incorporated into the design, NM Bureau of Geology & Mineral Resources, USGS, NM Geological Society;		Geological Society	Yes	No			
Topographic map Within a 100-year floodplain - FEMA map		!	Yes	No			
On-Site Closure Plan Checklist: (19 15 17 13 NMAC) Instru	uctions: Each of the following items mus	st bee attached to the closur	e plan. Plea	se indicate,			
by a check mark in the box, that the documents are attached. Siting Criteria Compliance Demonstrations - based upon	the empressions requirements of 10 15 17	10 NIMAC					
<u> </u>							
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 I of 19 15 17 13 NMAC							
Re-vegetation Plan - based upon the appropriate requiren							

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19 Operator Application Cartification:							
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@conocophillips.com</u> Telephone (505) 326-9837							
20 OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment)							
OCD Representative Signature:Approval Date:Approval Date:Approval Date:							
Title: COMP (GACE OFFICE) OCD Permit Number:							
Time Off House Officer							
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:							
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 Permit Number Disposal Facility Permit Number							
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 ourser and duuren)							
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 LatitudeLongitudeNAD19271983							
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:							
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.