District I

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

District IV

State of New Mexico
Energy Minerals and Natural Resources
Department

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

 $\label{eq:June 16, 2008} \mbox{ June 16, 2008}$ For temporary pits, closed-loop sytems, and below-grade

Form C-144

For temporary pits, closed-loop sytems, and below-grade 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 appropriate NMOCD District Office.

Pit, Closed-Loop System, Below-Grade Tank, or Proposed Alternative Method Permit or Closure Plan Application OIL COMS. DIV. Type of action: X Permit of a pit, closed-loop system, below-grade tank, or proposed alternative method IST. 3

Closure of a 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 reques

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environment Nor does approval relieve the operator of its responsibility to comply with	th 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: Lackey A Com #100		
API Number: 30-045-33518 OC	D Permit Number:	
U/L or Qtr/Qtr: P(SESE) Section: 11 Township: 29N	Range: 10W County: San Juan	
Center of Proposed Design: Latitude: 36.7354170' N Longitude: 107.8484780' 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	X Closed-loop Systems: Subsection H of 19.15.17.11 NMAC	
Temporary: Drilling Workover	Drying Pad X Tanks Haul-off Bins Other:	
Permanent Emergency Cavitation	LinedUnlined	
Lined Unlined	Liner type: Thickness mil LLDPE HDPE PVC	
Liner type: Thickness milLLDPEHDPEPVC	Other:	
Other String-Reinforced	Seams: Welded Factory Other:	
Seams: Welded Factory Other	Volume:	
Volume:bbl Dimensions: LxWxD	Dimernsions: Length 45' x Width 10'	
Below-grade tank: Subsection I of 19.15 17.11 NMAC	Fencing: Subsection D of 19.15.17.11 NMAC	
Volume:bbl	Chain link, six feet in height, two strangs of barbed wire at top	
Type of fluid: Tank Construction Material:	Four foot height, four strands of barbed wire evenly spaced between one and four feet	
Secondary containment with leak detection	Netting: Subsection E of 19.15.17.11	
Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off	Screen Netting Other	
Visible sidewalls and liner	Monthly inspections	
Visible sidewalls only	Signs: Subsection C of 19.15.17.11 NMAC	
Other:	12"x 24", 2" lettering, provided Operator's name, site location, and	
Liner type: Thickness: mil HDPE PVC	emergency telephone numbers	
Other:	X Signed in compliance with 19.15.3.103 NMAC	
Alternative Method: Submittal of an exception request is required. Exceptions must be	Administrative Approvals and Exceptions: Justifications and/or demonstrations of equivalency are required. Please	
submitted to the Santa Fe Environmental Bureau office for consideration	refer to 19.15.17 NMAC for guidance.	
of approval.	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 or the Santa Fe Environmental Bureau	
	office for consideration of approval. (Fencing in Design Plan) 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.	∏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	Yes	□No		
 Written confirmation or verification from the municipality; Written approval obtained from the municipality 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	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 NMAC 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 Maintence Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Closure Plan - 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 API Number: 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 (required for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of 19.15.17.9 Siting Criteria Compliance Demonstrations (required for on-site closure) - based upon the appropriate requirements of 19.15.17.10 NMAC To Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC				
Toperating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC				
X Closure Plan - 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 API Number:				

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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			
Proposed Cleanner 10 15 17 12 NMAC			
Proposed Closure: 19.15.17.13 NMAC			
Type: Drilling Workover Emergency Cavitation Permanent Pit Below-grade Tank X Closed-loop System Alternative			
Proposed Closure X Waste Excavation and Removal			
On-site Closure Method (only for temporary pits and closed-loop			
In-place On-site Trench			
Alternative Closure Method (Exceptions must be submitted to the Santa Fe Environmental Bureau f	or		
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. Recommentations 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. Justification 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 waste.			
	Yes No		
- NM Office of the State Engineer - 1WATERS database search; USGS; Data obtained from nearby wells	☐Yes ☐No ☐NA		
Ground water is between 50 and 100 feet below the bottom of the buried waste	□NA □Yes □No		
Ground water is between 50 and 100 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database serach; USGS; Data obtained from nearby wells	□NA □Yes□No □NA		
Ground water is between 50 and 100 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database serach; USGS; Data obtained from nearby wells Ground water is more than 100 feet below the bottom of the buried waste.	□NA □Yes□No □NA □Yes□No		
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From C-144 Oil Conservation Division Page 3 ot 4

Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 N			
	to the closure plan. Please indicfate, by a check mark in the box, that the documents are attached.		
X Protocols and Procedures - based upon the appropriate requirements o Confiramtion Sampling Plan (if applicable) - based upon the appropria			
Disposal Facility Name and Permit Number (for liquids, drilling fluids)			
Soil Backfill and Cover Design Specifications - based upon the appropriate the specific structure of the specific structur			
X Re-vegetation Plan - based upon the appropriate requirements of Subs			
X Site Reclamation Plan - based upon the appropriate requirements of Si	ubsection G of 19.15 17 13 NMAC		
Waste Removal Closure for Closed-loop Systems That Utilize Haul-off	Bins Only: (19 15 17 13 D NMAC) Instructions: Please identify the facility or		
Dısposal Facility Name: Envirotech, Basin Disposal	Disposal Facility Permit Number. NM-01-0011 & NM-01-005		
On-Site Closure Plan Checklist: (19 15.17 13 NMAC) Instructions: Each of the	following items must bee attached to the closure plan. Please indicate, by a		
check mark in the box, that the documents are attached.	,		
Sıting Criteria Compliance Demonstrations - based upon the appropria	•		
Proof of Surface Owner Notice - based upon the appropriate requirem			
Construction and Design of Burial Trench (if applicable) based upon	** *		
Protocols and Procedures - based upon the appropriate requirements of			
Confirmation Sampling Plan (if applicable) - based upon the appropria	•		
Waste Material Sampling Plan - based upon the appropriate requireme			
Disposal Facility Name and Permit Number (for liquids, drilling fluids) Soil Cover Design - based upon the appropriate requirements of Subst	-		
Re-vegetation Plan - based upon the appropriate requirements of Subs			
	Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC		
Operator Application Certification:			
I hereby certify that the information submitted with this application is true, accurate	te and complete to the best of my knowledge and belief.		
Name (Print): Crystal Tafoya	Title: Regulatory Technician		
Signature: And Talous	Date 7/18/2008		
e-mail address. <u>crystal.tafoya@conocophillips.com</u>	Telephone: 505-326-9837		
OCD Approval: Permit Application (including closure plan) OCD Representative Signature: Plan (only) Approval Date: 7 - 25 - 8			
Title: Enviro/spec	OCD Permit Number.		
Closure Report (required within 60 days of closure completion): Subsection K of 19 15	17 13 NMAC		
	Closure Completion Date:		
Closure Method:			
Waste Excavation and Removal On-Site Closure	ternative Closure		
If different from approved plan, please explain	,		
Closure Report Attactment 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			
Proof of Deed Notice (if applicable)			
Plot Plan			
Confirmation Sampling Analytical Results			
Waste Material Sampling Analytical Results			
Disposal Facility Name and Permit Number			
Soil Backfilling and Cover Installation			
Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique	NAD:19271983		
Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique Site Reclamation (Photo Documentation)	Longitude:NAD: 1927 1983		
Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique Site Reclamation (Photo Documentation) On-site Closure Latitude:	ue, accurate and complete to the best of my knowledge and belief. I also certify that the		
Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique Site Reclamation (Photo Documentation) On-site Closure Latitude: Operator Closure Certification: I hereby certify that the information and attachments submitted with this closure report is tr	ue, accurate and complete to the best of my knowledge and belief. I also certify that the		
Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique Site Reclamation (Photo Documentation) On-site Closure Latitude: Operator Closure Certification: I hereby certify that the information and attachments submitted with this closure report is treclosure complies with all applicable closure requirements and conditions specified in the applicable closure requirements.	ue, accurate and complete to the best of my knowledge and belief. I also certify that the proved closure plan		

Form C-144 Oil Conservation Division Page 4 of 4

DISTRICT I 1625 N. French Dr., Hobbs, N.M. 88240

DISTRICT II 1301 W. Grand Ave., Artesia, N.M. 88210

State of New Mexico Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

Form C-102 Revised June 10, 2003

Submit to Appropriate District Office

State Lease - 4 Copies

1220 South St. Francis Dr. DISTRICT III 1000 Rio Brazos Rd., Aztec, N.M. 87410 Fee Lease - 3 Copies Santa Fe, NM183595N 12 PM 1 (2 ☐ AMENDED REPORT DISTRICT IV 1220 South St. Francis Dr., Santa Fe, NM 87505 RECEIVED WELL LOCATION AND ACREAGE DEDICATION PLAT 1 API Number 3 ³Pool Name ²Pool Code Basin Fruitland Coal 71629 30-045-^o Weil Number ⁵Property Name Property Code LACKEY A COM 100 7238 7 OGRID No. *Operator Name * Elevation 14538 5834 BURLINGTON RESOURCES OIL & GAS COMPANY LP ¹⁰ Surface Location UL or lot no. Township Lot Idn Feet from the North/South line Feet from the East/West line Section Range County 10-W 29-N 1000 SOUTH 1050 **EAST** SAN JUAN Р ¹¹Bottom Hole Location If Different From Surface North/South line Feet from the UL or lot no. Section Township Lot Idn Feet from the East/West line County 15 Order No. 4 Consolidation Code Dedicated Acres 3 Joint or Infill S2 313.550 FC NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION OPERATOR CERTIFICATION LOT 4 LOT 3 LOT 2 LOT 1 Amanda Sandoval LOT 8 LOT 5 LOT 6 LOT 7 Printed Name Regulatory Assistant II FD 3 1/2" BLM 1967 B.C.

₹ hereby certify that the well location shown on this plat LOT 9 562 1050

and that the same is true and

OFESSIO

SURVEYOR CERTIFICATION

Certificate Number

90

USA SF-077092

FD 3 1/2" BLM 1987 BC

LOT 14

LOT 13

LAT: 36'44.1250' N. (NAD 27) LONG:107'50.9087' W. (NAD 27)

LOT 10

LOT 11

LOT 12

FD 3 1/2

USA SF-077092-C

N 84'16'09" W 2638.1' (M)

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 will be using two tanks to complete the workover process. One will be used for to prepare and the other will be used for installation. 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). Solids in the closed-loop tank will be vacuumed out and disposed of at Envirotech (Permit # NM-01-0011) 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
- 4. All of the above operations will be inspected and a log will be signed and dated. During rig operations the inspection will be daily.

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) immediately following rig operations. All remaining liquids will be transported and disposed of in the Basin Disposal facility (Permit # NM-01-005). 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.