<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240

State of New Mexico
Energy Minerals and Natural Resources

Form C-144 July 21, 2008

District II

1301 W. Grand Ave., Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

<u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505 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.

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
. 1	Proposed Alternative Method Permit or Closure Plan Application
36	Type of action: Permit of a pit, closed-loop system, below-grade tank, or proposed alternative

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

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: San Juan 29-7 Unit NP 581				
API Number: 30-039-24914 OCD Permit Number:				
U/L or Qtr/Qtr: K(NE/SW) Section: 1 Township 29N Range: 7W County: Rio Arriba				
Center of Proposed Design: Latitude: 36.75204 °N Longitude: 107,52528 °W NAD: X ### 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 Scams: Welded Factory Other Volume: bbl Dimensions L x W x D				
Subsection H of 19.15.17.11 NMAC Type of Operation: X P&A				
Below-grade tank: Subsection I of 19.15.17.11 NMAC Volume: bbl Type of fluid: Tank Construction material: Secondary containment with leak detection Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off Visible sidewalls and liner Visible sidewalls only Other Liner Type: Thickness mil HDPE PVC Other				
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, inst	itution or church)
Four foot height, four strands of barbed wire evenly spaced between one and four feet	1
Alternate. Please specify	
7 New York Colescotion Foot 10.15.17.11.NNAAC (Applicate appropriate and appropriate control to tentral)	
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 cons (Fencing/BGT Liner)	deration of approval.
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	Yes No
application. (Applies to temporary, emergency, or cavitation pits and below-grade tanks)	Пи
- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	LJ
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)	□NA □
- 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	Yes No
 Written confirmation or verification from the municipality; Written approval obtained from the municipality Within 500 feet of a wetland. 	∏Yes ∏No
- US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	
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	Vec CNo
Within a 100-year floodplain - FEMA map	Yes No

Form C-144 Oil Conservation Division Page 2 of 5

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
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
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
1 1 Decreased in Disc. Lead of the constraint of
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

Form C-144 Oil Conservation Division Page 3 of 5

16			
Waste Removal Closure For Closed-loop Systems T Instructions: Please identify the facility or facilities for facilities are required.	That Utilize Above Ground Steel Tanks or Haul-off Bins Only: (19.15.17.13.D NMAC) r the disposal of liquids, drilling fluids and drill cuttings. Use attachment if more than tw) ''O	
Disposal Facility Name:	Disposal Facility Permit #:		
	Disposal Facility Permit #:	1	
	ations and associated activities occur on or in areas that will not be used for future		
Re-vegetation Plan - based upon the appro	r future service and operations: ion - based upon the appropriate requirements of Subsection H of 19.15.17.13 NM priate requirements of Subsection I of 19.15.17.13 NMAC propraite requirements of Subsection G of 19.15.17.13 NMAC	1AC	
certain siting criteria may require administrative approval	hods only: 19.15.17.10 NMAC of compliance in the closure plan. Recommendations of acceptable source material are provide from the appropriate district office or may be considered an exception which must be submitted demonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC for guidance.		
Ground water is less than 50 feet below the botton - NM Office of the State Engineer - iWATERS do	m of the buried waste. atabase search; USGS: Data obtained from nearby wells	Yes No	
Ground water is between 50 and 100 feet below the	he bottom of the buried waste	Yes No	
	tabase search; USGS; Data obtained from nearby wells	N/A	
Ground water is more than 100 feet below the bot	tom of the buried waste	Yes No	
and the second s	tabase search; USGS; Data obtained from nearby wells	∏ _{N/A} □	
Within 300 feet of a continuously flowing watercourse (measured from the ordinary high-water mark).	, or 200 feet of any other significant watercourse or lakebed, sinkhole, or playa lake	Yes No	
- Topographic map; Visual inspection (certificatio	n) of the proposed site		
Within 300 feet from a permanent residence, school, he - Visual inspection (certification) of the proposed s	ospital, institution, or church in existence at the time of initial application. site; Aerial photo; satellite image	☐Yes ☐No	
purposes, or within 1000 horizontal fee of any other fre - NM Office of the State Engineer - iWATERS dat	water well or spring that less than five households use for domestic or stock watering esh water well or spring, in existence at the time of the initial application. abase; Visual inspection (certification) of the proposed site defined municipal fresh water well field covered under a municipal ordinance adopted	Yes No	
Within 500 feet of a wetland	nicipality; Written approval obtained from the municipality	Yes No	
 US Fish and Wildlife Wetland Identification map Within the area overlying a subsurface mine. 	p; Topographic map; Visual inspection (certification) of the proposed site	Tyes Tho	
- Written confirantion or verification or map from	the NM EMNRD-Mining and Mineral Division	LITES LINO	
	n; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society;	Yes No	
Topographic map Within a 100-year floodplain. - FEMA map		Yes No	
On-Site Closure Plan Checklist: (19.15.17.13 lby a check mark in the box, that the documents	NMAC) Instructions: Each of the following items must bee attached to the clo are attached.	sure plan. Please indicate,	
	as - based upon the appropriate requirements of 19.15.17.10 NMAC		
Proof of Surface Owner Notice - based up	on the appropriate requirements of Subsection F of 19.15.17.13 NMAC		
Construction/Design Plan of Burial Trencl	h (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			
	on the appropriate requirements of Subsection F of 19.15.17.13 NMAC	.1 1: 5	
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			
	printe requirements of Subsection 1 of 19.15.17.13 NMAC		

Form C-144 Oil Conservation Division Page 4 of 5

19 Operator Application Certification:
1 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 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: 4/17/2013
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. 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) X No
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: Latitude: Longitude: NAD 1927 1983
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): Dollie L. Busse Title: Staff Regulatory Technician
Signature: Date: 5/16/13
e-mail address: dollie,l.busse@conocophillips.com Telephone: (505) 324-6104

Form C-144

(