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

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

<u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505	appropriate NMOCD District Office.
	ed-Loop System, Below-Grade Tank, or
Proposed Alter	native Method Permit or Closure Plan Application
Type of action: Permit of	a pit, closed-loop system, below-grade tank, or proposed alternative method
Closure o	f a pit, closed-loop system, below-grade tank, or proposed alternative method
Modifica	tion to an existing permit
	olan only submitted for an existing permitted or non-permitted pit, closed-loop system, ade tank, or proposed alternative method
· ·	rm C-144) per individual pit, closed-loop system, below-grade tank or alternative request
••	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 Com	pany, LP OGRID#: 14538
Address: PO Box 4289, Farmington, NM 87499)
Facility or well name: Howell L #1	
API Number: 30-045-09277	OCD Permit Number:
	Township: 30N Range: 8W County: Rio Arriba
	.79257 °N Longitude: -107.64792 °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	RCVD DEC 6'12
	OIL CONS. DIV.
	DIST. 3
	ickness mil LLDPE HDPE PVC Other
String-Reinforced	
Liner Seams: Welded Factory O	her Volume: bbl Dimensions L x W x D
3	
X Closed-loop System: Subsection H of 19.15.1	7.11 NMAC
Type of Operation: P&A Drilling a new	well X Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent)
Drying Pad X Above Ground Steel Tanks	
	cknessmilLLDPEHDPEPVD _ Other
Liner Seams: Welded Factory Oth	
4	
Below-grade tank: Subsection I of 19.15.17.11	NMAC
Volume:bbl Type o	f fluid:
Tank Construction material:	
Secondary containment with leak detection	Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off

Form C-144

Alternative Method:

Liner Type:

Oil Conservation Division

Other

PVC

Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval,

mil

HDPE

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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 ac source material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau Offic consideration of approval. Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting does not apply to drying pads or above grade-tanks associated with a closed-loop system.	n the ce for			
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 (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	playa lake 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	∐ ^{NA}			
Within 500 horizonal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stoc purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application.	k watering 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 ordin adopted pursuant to NMSA 1978, Section 3-27-3, as amended - Written confirmation or verification from the municipality; Written approval obtained from the municipality	nance Yes No			
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed	d 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 Geologoeity; Topographic map 	ogical 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 or Permit
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
Closure Plant - based upon the appropriate requirements of Subsection C of 19.13.17.9 NIVIAC and 19.13.17.13 NIVIAC
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)
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
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)
Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings)
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
Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings)

16 Waste Removal Closure For Closed-loop Systems That Utilize Above Groun	ud Steel Tanks or Haul-off Bins Only: (19.15.17.13.D NMAC)		
Instructions: Please identify the facility or facilities for the disposal of liquids, a facilities are required.	rilling 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 at Yes (If yes, please provide the information No	ctivities 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 opered Soil Backfill and Cover Design Specification - based upon the appearance of Section Plan - based upon the appropriate requirements of Section Plan - based upon the app	oropriate requirements of Subsection H of 19.15.17.13 NMA Subsection I of 19.15.17.13 NMAC	AC	
17 Siting Criteria (Regarding on-site closure methods only: 19.15.17.10 Instructions: Each siting criteria requires a demonstration of compliance in the closur certain siting criteria may require administrative approval from the appropriate distri office for consideration of approval. Justifications and/or demonstrations of equivalent	e plan. Recommendations of acceptable source material are provided ct office 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: Database search; USGS	ta obtained 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; Dat	a obtained from nearby wells	□N/A	
Ground water is more than 100 feet below the bottom of the buried waste	2.	Yes No	
- NM Office of the State Engineer - iWATERS database search; USGS; Dat	a obtained from nearby wells	□N/A	
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other s (measured from the ordinary high-water mark).	ignificant watercourse or lakebed, sinkhole, 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 chur - Visual inspection (certification) of the proposed site; Aerial photo; satellite		∐Yes ∐No	
Within 500 horizontal feet of a private, domestic fresh water well or spring that I purposes, or within 1000 horizontal fee of any other fresh water well or spring, in NM Office of the State Engineer - iWATERS database; Visual inspection (Within incorporated municipal boundaries or within a defined municipal fresh was pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approv	n existence at the time of the initial application. certification) of the proposed site ater well field covered under a municipal ordinance adopted	∐Yes ∐No	
Within 500 feet of a wetland - US Fish and Wildlife Wetland Identification map; Topographic map; Visus		Yes No	
Within the area overlying a subsurface mine.		Yes No	
- Written confirantion or verification or map from the NM EMNRD-Mining	and Mineral Division		
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology Topographic map	& Mineral Resources; USGS; NM Geological Society;	Yes No	
Within a 100-year floodplain FEMA map		Yes No	
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: by a check mark in the box, that the documents are attached.	Each of the following items must bee attached to the closs	ure plan. Please indicate,	
Siting Criteria Compliance Demonstrations - based upon the appr			
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 u		10.15.17.11.22.4.5	
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 requi		-	
Disposal Facility Name and Permit Number (for liquids, drilling t		annot 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 Site Reclamation Plan - based upon the appropriate requirements of Subsection 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: 2/10/2012 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: 12/4/2012
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
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 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
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) – 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): Denise Journey Title: Regulatory Technician
Signature: Date: 12/5/2012
e-mail address: Denise.Journey@conocophillos.com Telephone: 505-326-9556