District I 1625 N French Dr , Hobbs NM 88240

District II

1301 W Grand Ave Artesia, NM 88210

District III

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

Form C-144

tanks submit to the appropriate NMOCD District Office

1000 Rio Brazos Rd , Aztec NM 87410	Santa Fe, NM 87505	For permanent pits and exceptions submit to the Santa Fe
<u>District IV</u> 1220 S St Francis Dr., Santa Fe NM 87505		Environmental Bureau office and provide a copy to the appropriate NMOCD District Office
	Pit, Closed-Loop System, Below-G	Grade Tank, or
•	sed Alternative Method Permit or	
Type of action	Permit of a pit, closed-loop system, below-g	rade tank, or proposed alternative method
	Closure of a pit, closed-loop system, below-	• •
	X Modification to an existing permit	g
	<u> </u>	permitted or non-permitted pit, closed-loop system,
'	below-grade tank, or proposed alternative m	
Instructions: Please submit one app	olication (Form C-144) per individual pit, close	ed-loop system, below-grade tank or alternative request
	his request does not relieve the operator of liability should opera e the operator of its responsibility to comply with any other app	
1	e the operator of its responsibility to comply with any outer app	reduce governmental authority's runes regulations of ordinances
Operator Burlington Resources Oil	& Gas Company, LP	OGRID#. <u>14538</u>
Address PO Box 4289, Farmington	, NM 87499	, , , , , , , , , , , , , , , , , , ,
Facility or well name ATLANTIC A	A 8C	
API Number 30-	.045-35137 OCD Permit	Number
U/L or Qtr/Qtr G(SW/NE) Section		10W County SAN JUAN
Center of Proposed Design Latitude	36.87311 °N Longitude	
Surface Owner X Federal	State Private Tribal Trust or	Indian Allotment
2		RCVD FEB 23 '12
X Pit: Subsection F or G of 19 15 17	11 NMAC	OIL CONS. DIV.
Temporary Dulling Works		or cors. Dist. 3
	vitation P&A (Pre-set)	
	ei type Thickness mil LLDP	E HDPE PVC Other
String-Reinforced Line: Seams Welded Fac	oton, D Other Walness	hhi Dunangung I W. D.
Liner Seams weided rac	other Volume	bbl Dimensions Lx Wx D
3	H. C10.16.17.11.NMA.C	
Type of Operation P&A	on H of 19 15 17 11 NMAC Drilling a new well	blies to activities which require prior approval of a permit or
Type or operation.	notice of intent)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Drying Pad Above Groun	d Steel Tanks Haul-off Bins Other	
Lined Unlined Liner	···	HDPE PVD Other
Linei Seams Welded Fac	ctory Other	ı
4		
Below-grade tank: Subsection I of		
Volume bb	l Type of fluid	
Tank Construction material		d out on the configuration of
Secondary containment with leak dete	, <u></u> ,	ad automatic overflow snut-off
Liner Type Thickness	Visible sidewalls only Other Oth	or
Alternative Method:		
Submittal of an exception request is requ	ired Exceptions must be submitted to the Santa Fe E	invironmental 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, instit 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 Signed in compliance with 19 15 3 103 NMAC	ution or church	h)
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: X Administrative approval(s). Requests must be submitted to the appropriate division district of the Santa Fe Environmental Bureau office for consistence of the Property.	deration of app	roval
(Cavitation put for Pre-set) Exception(s) Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval		
10	1	
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. (Applied to permanent pits)	Yes NA	∐No
- 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 - 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 - FEMA map	Yes	No

Temporary Pits, Emergency Pits and Below-grade Tanks Permit Application Attachment ChecklistSubsection 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
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 Hydiogeologic 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
В
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, Pievention 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 Workovei Emergency X Cavitation P&A Permanent Pit Below-grade Tank Closed-loop System
Type Drilling Workovei Emergency X 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 1 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 Steel T	only or Haul off Ring Only (10 15 17 12 D NMAC)	
Instructions Please identify the facility or facilities for the disposal of liquids, drilling fluid	A and drill cuttings Use attachment if more than two	
facilities are required Disposal Facility Name Envirotech / JFJ Landfarm % [E] Dis	posal Facility Permit # NM-01-0011 / NM-01-0010	0B
	posal Facility Permit # NM-01-005	<u> </u>
Will any of the proposed closed-loop system operations and associated activities Yes (If yes, please provide the information No	·	rvice 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	1 of 19 15 17 13 NMAC	AC
17 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 Recomm certain siting criteria may require administrative approval from the appropriate district office or may office for consideration of approval Justifications and/or demonstrations of equivalency are required	be considered an exception which must be submitted to the Santa	
Ground water is less than 50 feet below the bottom of the buried waste - NM Office of the State Engineer - tWATERS database search, USGS Data obtained	d from nearby wells	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 search, USGS, Data obtained	from nearby wells	∐Yes ∐No □N/A
Ground water is more than 100 feet below the bottom of the burned waste		Yes No
- NM Office of the State Engineer - IWATERS database search, USGS, Data obtained	from nearby wells	N/A
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant (measured from the ordinary high-water mark)	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 church in exist - Visual inspection (certification) of the proposed site, Aerial photo, satellite image	ence at the time of initial application	Yes No
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five purposes, or within 1000 horizontal fee of any other fresh water well or spring in existence - NM Office of the State Engineer - iWATERS database. Visual inspection (certification)	e at the time of the initial application	Yes No
Within incorporated municipal boundaries or within a defined municipal fresh water well fie pursuant to NMSA 1978, Section 3-27-3 as amended - Written confirmation or verification from the municipality. Written approval obtained	ld covered under a municipal ordinance adopted	Yes No
Within 500 feet of a wetland - US Fish and Wildlife Wetland Identification map, Topographic map Visual inspecti		Yes No
Within the area overlying a subsurface mine	in (certification) of the proposed site	∏Yes ∏No
- Written confiramtion or verification or map from the NM EMNRD-Mining and Mine	ral Division	
Within an unstable area - Engineering measures incorporated into the design, NM Bureau of Geology & Minera	al Resources, USGS, NM Geological Society,	Yes No
Topographic map Within a 100-year floodplain - FEMA map		Yes No
18 D. S. Charles D. Charles (1915 17 12 19 14 C)		
On-Site Closure Plan Checklist: (19 15 17 13 NMAC) Instructions: Each of a by a check mark in the box, that the documents are attached.	ne jouowing items must bee attached to the closure	e plan. Please indicate,
Siting Criteria Compliance Demonstrations - based upon the appropriate r	equirements of 19 15 17 10 NMAC	
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		
X 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		
X Waste Material Sampling Plan - based upon the appropriate requirements of Subsection F of 19 15 17 13 NMAC		
X 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		
Site Reclamation Plan - based upon the appropriate requirements of Subse		ŀ

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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) Jame Goodwin Title Regulatory Technician
Signature / 10 m le GOOCNUL Date - FOUTH
e-mail address / jamie I goodwin@conocophillips com Telephone 505-326-9784
<u> </u>
OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment)
OCD Representative Signature: Approval Date: 2/24/2012
Title: OM Mance Office O 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 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 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
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
25 Operator Closure Certification:
I hereby certify that the information and attachments submitted with this closure report is time, 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 Cavitation Pit for Closed-Loop Locations

Design:

Burlington Resources Oil & Gas Company, LP will use a cavitation pit plan when the surface casing will be pre-set on closed-loop locations. The drill cuttings will be stockpiled on the surface

Operations and Maintenance:

The cavitation pit will be operated and maintained as follows

- 1 Only Fresh water and air will be used in the drilling of the surface casing
- 2 The Cement used will be Neat Cement with no additives
- 3 All of the fluids will be removed within 48hrs after drilling
- 4 A representative five point composite sample will be taken of the drill cuttings, after the setting of the surface casing is complete, using sampling tools and all samples will be tested per Subsection B of 19 15 17 13(B)(1)(b) In the event that the testing criteria is not met, all contents will be dug and hauled per Subparagraph (a) of Paragraph (1) of Subsection B of 19 15 17 13 i e

Components	Tests Method	Limit (mg/Kg)	
Benzene	EPA SW-846 8021B or 8260B	0 2	
BTEX	EPA SW-846 8021B or 8260B	50	
TPH	EPA SW-846 418 1	2500	
GRO/DRO	EPA SW-846 8015M	500	
Chlorides	EPA 300 1	500	

5 The NMOCD will be notified via email of the test results of the cavitation surface as follows

Components	Tests Method	Limit (mg/Kg)	Results
Benzene	EPA SW-846 8021B or 8260B	02	
BTEX	EPA SW-846 8021B or 8260B	50	
TPH	EPA SW-846 418 1	2500	
GRO/DRO	EPA SW-846 8015M	500	
Chlorides	EPA 300 1	500	

Closure Plan:

- 1. The NMOCD will be notified of the sample results and the intent to start the closure process 3-7 days prior to the drill cuttings being transported, moved, or distributed on location
- 2 In the event the criteria are not met, all solids and liquids will be removed and disposed of at Envirotech (Permit #NM-01-0011) and/or Basin Disposal Facility (Permit #NM-01-005) and/or JFJ Landfarm % Industrial Ecosystem Inc. (Permit # NM-01-0010B)
- 3 Testing results will be submitted with the Closure Report of the well locations Closed-Loop Permit on Form C-144

Burlington Resources is aware that approval of this plan does not relieve Burlington Resources of liability should operations result in pollution of surface water, ground water, or the environment. Nor does approval relieve ConocoPhillips of its responsibility to comply with any other applicable governmental authority's rules and regulations.