1625 N. French Dr., Hobbs, NM 88240' District II.

State of New Mexico Energy Minerals and Natural Resources

Department

Form C-144 July 21, 2008

For temporary pits, closed-loop sytems, and below-grade

1301 W. Grand Avel, Artesia, NM 88210	Oil Conservation Division	
District III 1000 Rio Brazos Rd., Aztec, NM 87410	1220 South St. Francis D Santa Fe, NM 87505	T. For permanent pits and exceptions submit to the Santa Fe
District IV	Santa 1 C, 14141 97303	Environmental Bureau office and provide a copy to the
220 S. St. Francis Dr., Santa Fe, NM 87505		appropriate NMOCD District Office.
-	t, Closed-Loop System, Below	
Propose Q	<u>d Alternative Method Permit o</u>	or Closure Plan Application
Type of action:	Permit of a pit, closed-loop system, below	-grade tank, or proposed alternative method
	Closure of a pit, closed-loop system, belov	w-grade tank, or proposed alternative method
· X	Modification to an existing permit	
	Closure plan only submitted for an existin below-grade tank, or proposed alternative	g permitted or non-permitted pit, closed-loop system, method
Instructions: Please submit one applic	cation (Form C-144) per individual pit, cl	osed-loop system, below-grade tank or alternative request
		operations result in pollution of surface water, ground water or the applicable governmental authority's rules, regulations or ordinances.
1 Operator: Burlington Resources Oil &	Gas Company, LP	OGRID#: 14538
Address: PO Box 4289, Farmington, N	M 87499	
Facility or well name: San Juan 30-6 U		
API Number: 30-03	9-30685 OCD Perm	nit Number:
J/L or Q(i/Qtr: J(NW/SE) Section:	27 Township: 30N Rang	go: 7W County: Rio Arriba
Center of Proposed Design: Latitude:	36.780524 °N Longitud	de: <u>107.554977</u> °W NAD: 1927 X 1983
Surface Ówner: X Federal	State Private Tribal Trust	or Indian Allotment
X Pit: Subsection F or G of 19.15.17.111 Temporary:	r ntion P&A (Pre-set) ype: Thickness mil LLE	
Type of Operation: P&A Dr	notice of intent)	Applies to activities which require prior approval of a permit or
	teel Tanks Haul-off Bins Other	
Liner Seams: Welded Factory		The HDPE PVD Other RECEIVED DEC 2010 Other
4		
Below-grade tank: Subsection I of I		RECEIVED
Volume: bbl	Type of fluid:	10EC 2010
Tank Construction material:		9 DEC 2010
Secondary containment with leak detection		t and automatic overflow shut-off / 2 OIL CONS. DIV. DIS
Visible sidewalls and liner	Visible sidewalls only Other	
Liner Type: Thickness	mil HDPE PVC O	Other Costs 84
5		200010
Alternative Method:		
Catalana at at an anaistich acan ar te da de de	Prince of the control of the first	P

. 6 Fencing: Subsection D of 19.15.17.11 NMAC (Applies to permanent pit, temporary pits, and below-grade tanks)		
Chân link, six feet in height, two strands of barbed wire at top (Required if located within 1000 feet of a permitment residence, school, hospital; inst Four foot height, four strands of barbed wire evenly spaced between one and four feet Alternate. Please specify	thition öf: chili	ĉh)
7 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		
Administrative Approvals and Exceptions: Justifications and/or demonstrations of equivalency are required. Please refer to 19/15/17 NMAC for guidance. Please clieck 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 Pe Environmental Bureau office for cons (Cavitation pit for Pre-set) Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.	iderátíon of ap	proval
Siting Criteria (regarding permitting): 19.15.17.10 NMAC Instructions: The applicant must demonstrate compliance for each string 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	Πνο
(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)	Yes.	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 horizonal feet of any other fresh water well or spring; in existence at the time of initial application.	Y.es:	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 Figh 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	Nő
Within a 100-year floodplain FEMA map	Yés:	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 trems must be 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
Elosure 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.
Převiously 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 trems 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
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 112S, 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 Workover, 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 pils and closed-loop systems)
lin-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
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 II 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

16 Waste Removal Closure Por Closed-loop Systems That Utilize Above Ground Steel Tanks or	Häul-off Bins Only: (19,15.17,13,D'NMAC)	
Instructions: Please identify the facility or facilities for the disposal of liquids, drilling fluids and facilities are required:		
	facility Permit #: NM-01-0011 / NM-01-0010B	
	acility Permit #: NM-01-005	ļ
Will any of the proposed closed-loop system operations and associated activities occur on Yes (If yes, please provide the information. No	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 operations: Soil Backfill and Cover Design Specification - based upon the appropriate require Re-vegetation Plan - based upon the appropriate requirements of Subsection I of I Site Reclamation Plan - based upon the appropriate requirements of Subsection G	9.15.17.13 NMAČ	-
2) vie Kecistianiou Lian - osseti abou rue abbitobisite tedantenieure of prosection Ci	0119.10,17.13 NWIAC	
17 Siting Criteria (Regarding on-site closure methods only: 19.15.17.10 NMAC Instructions: Each siting criteria requires a demanstration of compliance in the closure plan. Recommen certain siting criteria may require administrative approval from the appropriate district office or may be office for consideration of approval. Justifications and/or demonstrations of equivalency are required. F	considered an exception which must be submitted to the Sania Fe Environmental Bury	
Ground water is less than 50 feet below the bottom of the buried waste:	Yes: No:	
- NM Office of the State Engineer - WATERS database search; USGS: Data obtained from	nearby wells	
Ground water is between 50 and 100 feet below the bottom of the buried waste	Yes No	
- NM Office of the State Engineer - TWATERS database search; USGS; Data obtained from it		
Gröund water is more than 100 feet below the bottom of the buried waste.	Yes No	
- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from r		
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse (measured from the ordinary high-water mark).	birse or lakebed, sinkhôle; or playa lake; Yes No.	
- Topógráphie map; Visital inspection (certification) of the proposed site,	the time of initial application.	
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at - Visual inspection (certification) of the proposed site; Aerial photo; satellite image		
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five hous	Shothin with first doministing of stoods unitarities.	
purposes, or within 1000 horizontal fee of any other fresh water well or spring, in existence at the NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the	time of the initial application.	
Within incorporated municipal boundaries or within a defined municipal fresh water well field cov pursuant to NMSA 1978, Section 3-27-3, as amended.		
Written continuation or verification from the municipality; Written approval obtained from twitten 500 feet of a wetland	Yes No	
- US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (cert Within the area overlying a subsurface mine.	incation) of the proposed site	;
- Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Divi	tumal, tend	
Within an unstable area.	Yes No	
 Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Reso Topographic map. 	arces; USGS; NM Geological Society;	
Within a 100-year floodplain: - FEMA map	Yes No	
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the fol	lowing items must bee attached to the closure plan. Please indicate,	
by a check mark in the box, that the documents are attached.	eričio is iguomato	
Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of Sub		•
Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate appro		
Construction/Design Plan of Temporary Pit (for in place burial of a drying pad) -	·	
Protocols and Procedures - based upon the appropriate requirements of 19.15.17.		
Confirmation Sampling Plan (if applicable) - based upon the appropriate requires	nents of Subsection F of 19:15.17:13 NMAC	
X Waste Material Sampling Plan: - based upon the appropriate requirements of Subs		
Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill c		
Soil Cover Design - based upon the appropriate requirements of Subsection H of Re-vegetation Plan - based upon the appropriate requirements of Subsection I of		
Site Reclamation Plan: - based upon the appropriate requirements of Subsection C	•	

19 Operator Application Certification:
Thereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief.
Name (Print): Jamie Goodwin Tille: Regulatory Technician
Signature: (Y) YYYY (COOCIU) Date: 1/7/0 e-mail address: / Jamle L.Goodiwn@conocophillips.com Telephone: 505-326-9784
c-mail autresss 3 1 same E. Goodwing Conneceprinips com 100 (minutes) 305-320-9184
20 OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment)
OCD Representative Signature: Thurst Ball Approval Date: 12-1-10
Title: Ewirolspec OCD Permit Number:
Title: C-MOTALIZEC OCETEMBER (ABBUC).
Closure Report (required within 60 days of closure completion); Subsection K of 19.15.17.13 NMAC [istructions: 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
Clösure Réport Regarding Waste Rémoval Closure For Closed-loop Systèms That Utilize Above Ground Steel Tauks or Haut-off Bins Only: Instructions: Please identify the 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 Perinit 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 complifanc 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 <u>Closuve Report Attachment Checklist:</u> 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)
Confirmation Sampling Analytical Results (if applicable) Waste Material Sampling Analytical Results (if applicable)
Disposal Facility Name and Permit Number.
Soil Backfilling and Cover Installation
Ré-vegetation Application Rates and Seeding Technique
Site Reclamation (Photo Documentation) On-site Closure Location: Latitude: Longitude: NAD 1927 1983
S. are closing features.
.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 decide desired with all applicable electric requirements 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:

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.
- The Cement used will be: Neat Cement with no additives.
- 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 Wethod	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 föllows:

Components	Tests Method	Limit (mg/Kg)	Results
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	

Closure Plan:

- 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.
- 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).
- 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.