1025 N French Dr., Hodds, NIVI 882

<u>District II</u> 1301 W Grand Ave , Artesia, NM 88210 <u>District III</u> State of New Mexico
Energy Minerals and Natural Resources
Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe. NM 87505 Form C-144 July 21, 2008

For temporary pits, closed-loop sytems, and below-grade tanks, submit to the appropriate NMOCD District Office

1000 Rio Brazos Rd , Aztec, NM 87410 <u>District IV</u> 1220 S St Francis Dr , Santa Fe, NM 87505	Santa Fe, NM 87505	For permanent pits and exceptions submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office
D:4 C	losed-Loop System, Below-G	rade Tank, or
	Iternative Method Permit or C	
Type of action: Pern	nit of a pit, closed-loop system, below-gra	ade tank, or proposed alternative method
*1 	sure of a pit, closed-loop system, below-gr	• •
	lification to an existing permit	, . , . , . ,
Clos		ermitted or non-permitted pit, closed-loop system,
Instructions: Please submit one application	ı (Form C-144) per individual pit, closed	d-loop system, below-grade tank or alternative request
		tions result in pollution of surface water, ground water or the
environment Nor does approval relieve the open	ator of its responsibility to comply with any other appli	icable governmental authority's rules, regulations or ordinances
Operator: Burlington Resources Oil & Gas	Company, LP	OGRID#: 14538
Address: PO Box 4289, Farmington, NM 8		-
Facility or well name: Huerfanito Unit 71		
API Number: 30-045-060	076 OCD Permit N	umber
U/L or Qtr/Qtr: A(NE/NE) Section: 3		9W County: San Juan
Center of Proposed Design: Latitude:	36.3025776 °N Longitude:	107.4612936 °W NAD: X 1927 1983
	°	ndian Allotment
Pit: Subsection F or G of 19 15 17 11 NMA	r	RCVD MAY 17'12
Temporary Drilling Workover		OIL COMS. DIV.
Permanent Emergency Cavitation	∏P&A	DIST. 3
Lined Unlined Liner type	Thickness mil LLDPE	HDPE PVC Other
String-Reinforced		
Liner Seams Welded Factory	Other Volume	bbl Dimensions L x W x D
3 X Closed-loop System: Subsection H of 19 Type of Operation X P&A Drilling	p	nes to activities which require prior approval of a permit or
	notice of intent)	
Drying Pad X Above Ground Steel Ta		
Lined Unlined Liner type	ThicknessmilLLDPE	HDPE PVD Other
Liner Seams Welded Factory	Other	
4		
Below-grade tank: Subsection I of 19 15 1		
Volumebbl T	ype of fluid	
Tank Construction material		
Secondary containment with leak detection	Visible sidewalls, liner, 6-inch lift and	I automatic overflow shut-off
	bible sidewalls only Other	
Liner Type Thicknessmil	HDPE PVC Other	·
5 Alternative Method:		
Submittal of an exception request is required. Exc	eptions must be submitted to the Santa Fe Env	vironmental Bureau office for consideration of approval

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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, ins Four foot height, four strands of barbed wire evenly spaced between one and four feet Alternate Please specify	titution or chu	ırch)	
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 Exception(s) Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval	ideration of ap	oproval	
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 - 1WATERS 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. (Applies to temporary, emergency, or cavitation pits and below-grade tanks)	☐Yes ☐NA	No	
- 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 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		
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		
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)		
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 I 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 For Closed-loop Systems That Utilize Above Ground Sto	eel Tanks or Haul-off Bins Only: (19 15 17 13 D NMAC)			
Instructions Please identify the facility or facilities for the disposal of liquids, drilling facilities are required	g fluids and drill cuttings Use attachment if more than two			
Disposal Facility Name	Disposal Facility Permit #			
Disposal Facility Name				
Will any of the proposed closed-loop system operations and associated activiting Yes (If yes, please provide the information No		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 Re-vegetation Plan - based upon the appropriate requirements of Subset Site Reclamation Plan - based upon the appropriate requirements of Su	nate requirements of Subsection H of 19 15 17 13 NMA extron I of 19 15 17 13 NMAC	AC .		
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 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. Justifications 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 - NM Office of the State Engineer - iWATERS database search, USGS Data obtained to the state of the State Engineer - iWATERS database search, USGS Data obtained to the state of the	tained from nearby wells	∐Yes ∐No ∏N/A		
Ground water is between 50 and 100 feet below the bottom of the buried wast	e	∏Yes ∏No		
- NM Office of the State Engineer - tWATERS database search, USGS, Data obta	amed from nearby wells	□N/A		
Ground water is more than 100 feet below the bottom of the buried waste		Yes No		
- NM Office of the State Engineer - tWATERS database search, USGS, Data obta	amed from nearby wells	□N/A		
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)		Yes No		
- Topographic map, Visual inspection (certification) of the proposed site				
Within 300 feet from a permanent residence, school, hospital, institution, or church in - Visual inspection (certification) of the proposed site, Aerial photo, satellite image	••	Yes No		
		∐Yes ∐No		
Within 500 horizontal feet of a private, domestic fresh water well or spring that less th purposes, or within 1000 horizontal fee of any other fresh water well or spring, in exist - NM Office of the State Engineer - tWATERS database, Visual inspection (certification)	tence at the time of the initial application			
Within incorporated municipal boundaries or within a defined municipal fresh water w 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 ILS Date of Wetland Market Section and Transpolations Wetland Conference of Conferen		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		∏Yes ∏No		
- Written confirantion or verification or map from the NM EMNRD-Mining and M	Ameral Division			
Within an unstable area - Engineering measures incorporated into the design, NM Bureau of Geology & M	ineral Resources, USGS, NM Geological Society,	Yes No		
Topographic map Within a 100-year floodplain - FEMA map		Yes No		
18				
On-Site Closure Plan Checklist: (19 15 17 13 NMAC) Instructions: Each by a check mark in the box, that the documents are attached.	of the following items must bee attached to the closu	re plan. Please indicate,		
Siting Criteria Compliance Demonstrations - based upon the appropria	te requirements 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 t	he appropriate requirements of 19 15 17 11 NMAC			
Construction/Design Plan of Temporary Pit (for in place burial of a dry	- · · · · · · ·	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	•			
Waste Material Sampling Plan - based upon the appropriate requirement		annat ha ashaarad)		
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 Subsection G of 19 15 17 13 NMAC				

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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				
20 OCD Approval: Permit Application (including closure plan) Closure plan (only) OCD Conditions (see attachment) OCD Representative Signature: Approval Date: 5/22/2012 Title: ON OLUMBE OF THE 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: 4/19/2012				
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 Cl. D. D. J. W. D. J. W. D. J. G. J. W. W. J.				
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 opeartions?				
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 Reclaination (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				
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 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 5/16/12				
e-mail address dollie I busse@conocophillips com Telephone (505) 324-6104				