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.

July 21, 2008 For temporary pits, closed-loop sytems, and below-grade

Form C-144

tanks, submit to the appropriate NMOCD District Office

District IV	Dr., Santa Fe, NM 87505	S	anta Fe, NM	87505	Environ	-	office and provi	de a copy to the
	-	Pit, Closed-Losed Alternativ					ication	
1227		below-grade tan	closed-loop sys an existing pern ly submitted for lk, or proposed a	stem, below-gra nit an existing per alternative meth	ade tank, or partitled or no	proposed alt	ternative meth	nod oop system,
Plea	: Please submit one appasse be advised that approval of animent. Nor does approval reliev	this request does not reliev	ve the operator of liab	oility should operati	ons result in pol	llution of surface	e water, ground w	vater or the
	lington Resources Oil Box 4289, Farmington		LP		OGRII	D#: <u>14538</u>	1	
Facility or well	name: Reid 21E							
API Number:	30-	045-25291		OCD Permit Nu	ımber			
U/L or Qtr/Qtr: Center of Propo Surface Owner:	osed Design: Latitude:		°N	Range: Longitude: ibal Trust or In	9W 107.8 ndian Allotm		San Juan OW NAD:	X 1927 1
Pit: Subs Temporary Permanent Lined String-Rein Liner Seams	Unlined Lin		s mıl	LLDPE ['		Otherx W	x D
X Closed-I		on H of 19 15 17.11 N Drilling a new well	_	r Drilling (Applicent)	es to activities	s which requi	re prior approv	al of a permit or

,	
Drying Pad X Above Ground Steel Tanks Haul-off Bins Other Lined Unlined Liner type Thickness mil LLDPE HDPE PVD Other Liner Seams Welded Factory Other	RCVD NOV 22'11
4 Below-grade tank: Subsection 1 of 19 15.17 11 NMAC Volume. bbl Type of fluid.	OIL CONS. DIV.
Tank Construction material	DIST. 3
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	

Alternative Method:

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, installar four foot height, four strands of barbed wire evenly spaced between one and four feet Alternate Please specify	titution or chu	rch)
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 cons (Fencing/BGT Liner) Exception(s) Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval	ideration of ap	pproval
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) - 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 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
12 Clared Law Court Branch And Live Law Advantage Advantage Charles and Charle
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
X Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
X Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
X 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 X P&A Permanent Pit Below-grade Tank X Closed-loop System Alternative
Proposed Closure Method Waste Excavation and Removal
X 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

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16 Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Ste	ol Tanks on Haul off Dies On	les (10.15.17.12 D.NIMAC)			
Instructions Please identify the facility or facilities for the disposal of liquids, drilling	fluids and drill cuttings Use	attachment if more than two			
facilities are required Disposal Facility Name Envirotech / JFJ Landfarm % IEI	Disposal Facility Permit #	NM.01.0011 / NM.01.00)10 D		
Disposal Facility Name Basin Disposal Facility	Disposal Facility Permit #		7106		
Will any of the proposed closed-loop system operations and associated activitie			service and		
Yes (If yes, please provide the information No Required for impacted areas which will not be used for future service and operations Soil Backfill and Cover Design Specification - based upon the appropriate requirements of Subsection H of 19 15 17.13 NMAC					
Re-vegetation Plan - based upon the appropriate requirements of Subsection					
Ste Reclamation Plan - based upon the appropraite requirements of Sul	osection G of 19 15 17 13 N	MAC			
17					
Siting Criteria (Regarding on-site closure methods only: 19.15.17 10 NMAC Instructions Each sting 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 convideration of approval Justifications and/or demonstrations of equivalency are	required riease rejer to 19 13	- I TO NMAC for ginaance	Yes No		
	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 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 - IWATERS database search, USGS; Data obta			N/A □		
Ground 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 obta	med from nearby wells		□ _{N/A} □		
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other signific (measured from the ordinary high-water mark)	ant watercourse or lakebed, su	nkhole, 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 e - Visual inspection (certification) of the proposed site; Aerial photo, satellite image	· · · · · · · · · · · · · · · · · · ·	oplication.	Yes No		
			Yes No		
Within 500 horizontal feet of a private, domestic fresh water well or spring that less that purposes, or within 1000 horizontal fee of any other fresh water well or spring, in exists - NM Office of the State Engineer - iWATERS database, Visual inspection (certific	ence at the time of the initial ap	·			
Within incorporated municipal boundaries or within a defined municipal fresh water we pursuant to NMSA 1978, Section 3-27-3, as amended	, ,	pal ordinance adopted	Yes No		
- Written confirmation or verification from the municipality; Written approval obta	ined from the municipality				
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	, , , , ,		Yes No		
- Written confiramtion or verification or map from the NM EMNRD-Mining and M	- Written confiramtion or verification or map from the NM EMNRD-Mining and Mineral Division				
Within an unstable area	100000000		∐Yes ∐No		
 Engineering measures incorporated into the design, NM Bureau of Geology & Mi Topographic map 	neral Resources, USGS, NM (Jeological Society,			
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 mus	t bee attached to the closu	re plan. Please indicate,		
Siting Criteria Compliance Demonstrations - based upon the appropriate	e requirements of 19 15 17	10 NMAC			
Proof of Surface Owner Notice - based upon the appropriate requiremen	nts 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					
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 requirements of Subsection F of 19 15.17.13 NMAC					
Disposal Facility Name and Permit Number (for liquids, drilling fluids a Soil Cover Design - based upon the appropriate requirements of Subsec	•		umot be acmeved)		
Re-vegetation Plan - based upon the appropriate requirements of Subsection					
Site Reclamation Plan - based upon the appropriate requirements of Sub					

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19 On any Amelianting Contifications
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) _ CRYSTAL TAFOYA _ Title STAFF REGULATORY TECHNICIAN
Signature Constal Talaya Date 11/21/2011
e-mail address <u>crystal.tafoya@conocophyllips.cym</u> Telephone (505) 326-9837
OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature: Approval Date: 1/29/2011 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 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 complitane to the items below) 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
24 <u>Closure 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)
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) ⁻ Title
Signature Date ·
e-mail address:Telephone

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Burlington Resources Oil & Gas Company, LP Closed-loop Plans

Closed-loop Design Plan

BR's closed loop system will not entail a drying pad, temporary pit, below grade tank or sump. It will include an above ground tank suitable for holding the cuttings and fluids for rig operations. The tank will be sufficient volume to maintain a safe free board between disposal of the liquids and solids from rig operations.

- 1. Fencing is not required for an above ground closed-loop system
- 2. It will be signed in compliance with 19.15.3.103 NMAC
- 3. A frac tank will be on location to store fresh water

Closed-loop Operating and Maintenance Plan

BR's closed-loop tank will be operated and maintained to contain liquids and solids in order to prevent contamination of fresh water sources, in order to protect public health and the environment. To ensure the operation is maintained the following steps will be followed:

- 1. The liquids will be vacuumed out and disposed of at the Basin Disposal facility (Permit # NM-01-005) or JFJ Landfarm % Industrial Ecosystem Inc. (Permit # NM-01-0010B). Solids in the closed-loop tank will be vacuumed out and disposed of at Envirotech (Permit # NM-01-0011) or JFJ Landfarm % Industrial Ecosystem Inc. (Permit # NM-01-0010B) on a periodic basis to prevent over topping.
- 2. No hazardous waste, miscellaneous solid waste or debris will be discharged into or stored in the tank. Only fluids or cutting used or generated by rig operations will be placed or stored in the tank.
- 3. The division district office will be notified within 48 hours of the discovery of compromised integrity of the closed-loop tank. Upon the discovery of the compromised tank, repairs will be enacted immediately

Closed-loop Closure Plan

The closed-loop tank will be closed in accordance with 19.15.17.13. This will be done by transporting cuttings and all remaining sludges to Envirotech (Permit # NM-01-0011) or JFJ Landfarm % Industrial Ecosystem Inc. (Permit # NM-01-0010B) immediately following rig operations. All remaining liquids will be transported and disposed of in the Basin Disposal facility (Permit # NM-01-005) or JFJ Landfarm % Industrial Ecosystem Inc. (Permit # NM-01-0010B). The tanks will be removed from the location as part of the rig move. At time of well abandonment, the site will be reclaimed and re-vegetated to pre-existing conditions when possible.