10 A A A A A A A A A A A A A A A A A A A		
District I 1625 N. French Dr., Hobbs, NM 88240	State of New Mexico	Form C-144 July 21, 2008
District II	Energy Minerals and Natural Resources Department	For temporary pits, closed-loop sytems, and below-grade
1301 W. Grand Ave., Artesia, NM 88210	Oil Conservation Division	tanks, submit to the appropriate NMOCD District Office.
District III	1220 South St. Francis Dr.	For permanent pits and exceptions submit to the Santa Fe
1000 Rio Brazos Rd., Aztec, NM 87410 District IV	Santa Fe, NM 87505	Environmental Bureau office and provide a copy to the
1220 S. St. Francis Dr., Santa Fe, NM 87505		appropriate NMOCD District Office.
	Pit, Closed-Loop System, Below-Grad	
A Prope	osed Alternative Method Permit or Clos	ure Plan Application
Type of action:	X Permit of a pit, closed-loop system, below-grade ta	nk, or proposed alternative method
5	Closure of a pit, closed-loop system, below-grade t	ank, or proposed alternative method
	Modification to an existing permit	· · ·
	Closure plan only submitted for an existing permitt below-grade tank, or proposed alternative method	ted or non-permitted pit, closed-loop system,
Instructions: Please submit one a	pplication (Form C-144) per individual pit, closed-loo	p system, below-grade tank or alternative request
Please be advised that approval o	f this request does not relieve the operator of liability should operations re	esult in pollution of surface water, ground water or the
environment. Nor does approval reli	eve the operator of its responsibility to comply with any other applicable	governmental authority's rules, regulations or ordinances.
1 Operator: Burlington Resources Oi	il & Gas Company, LP	OGRID#: 14538
Address: PO Box 4289, Farmingto		
Facility or well name: HANKS 17		
	0-045-06781 OCD Permit Numbe	r: .
U/L or Qtr/Qtr: N(SE/SW) Section		9W County: San Juan
Center of Proposed Design: Latitude		-107.81319 °W NAD: X 1927 1983
Surface Owner: X Federal	State Private Tribal Trust or Indian	
2 <u>Pit:</u> Subsection F or G of 19.15.17	7.11 NMAC	RCVD JAN 25 '13
Temporary: Drilling Wor	kover	OIL CONS. DIV.
	Cavitation P&A	DIST. 3
Lined Unlined Li	iner type: Thickness mil LLDPE	HDPE PVC Other
String-Reinforced		
Liner Seams: Welded Fa	actory Other Volume:	_ bbl Dimensions Lx Wx D
. 3		
	tion H of 19.15.17.11 NMAC	·
Type of Operation: P&A	Drilling a new well X Workover or Drilling (Applies to notice of intent)	activities which require prior approval of a permit or
Druing Bad V Abour Com	notice of intent)	
		IDPE PVD Other
	actory Other	
	· L	·····
4 Below-grade tank: Subsection	l of 19.15.17.11 NMAC	
	bbl Type of fluid:	
Tank Construction material:	······································	
Secondary containment with leak de	tection Visible sidewalls, liner, 6-inch lift and auto	matic overflow shut-off
Visible sidewalls and liner	Visible sidewalls only Other	
Liner Type: Thickness	milHDPEPVCOther	
5		· · · · · · · · · · · · · · · · · · ·
Alternative Method:		
Submittal of an exception request is rea	uired. Exceptions must be submitted to the Santa Fe Environr	nental Bureau office for consideration of approval.
	······································	
Form C-144	Oil Conservation Division	Page 1 of 5

6 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, instead of the four foot height, four strands of barbed wire evenly spaced between one and four feet Alternate. Please specify	titution or chui	rch)
7         Netting:       Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open (op tanks)         Screen       Netting         Other		
<ul> <li>8</li> <li>Signs: Subsection C of 19.15.17.11 NMAC</li> <li>12" X 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers</li> <li>X Signed in compliance with 19.15.3.103 NMAC</li> </ul>		
9 <u>Administrative Approvals and Exceptions:</u> Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance. <i>Please check a box if one or more of the following is requested, if not leave blank:</i> 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	proval.
<sup>10</sup> <u>Siting Criteria (regarding permitting)</u> : 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 Within 300 feet of a continuously flowing watercourse, or 200 feet of any other watercourse, lakebed, sinkhole, or playa lake	Yes Yes	□ No
(measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial	Yes	
<ul> <li>application.</li> <li>(Applies to temporary, emergency, or cavitation pits and below-grade tanks)</li> <li>Visual inspection (certification) of the proposed site; Aerial photo; Satellite image</li> </ul>		_
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; Acrial photo; Satellite image	Yes NA	No
Within 500 horizonal fect 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
<ul> <li>NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site.</li> <li>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</li> <li>Written confirmation or verification from the municipality; Written approval obtained from the municipality</li> </ul>	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	
<ul> <li>Within the area overlying a subsurface mine.</li> <li>Written confirmation or verification or map from the NM EMNRD - Mining and Mineral Division</li> <li>Within an unstable area.</li> </ul>	Yes Yes	No No
<ul> <li>Engineering measures incorporated into the design; NM Bureau of Geology &amp; Mineral Resources; USGS; NM Geological Society; Topographic map</li> <li>Within a 100-year floodplain</li> <li>FEMA map</li> </ul>	Yes	No

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11 <u>Temporary Pits, Emergency Pits and Below-grade Tanks Permit Application Attachment Checklist:</u> 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
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
<ul> <li>Spetang and Maintenance Flair obset upon the appropriate requirements of 75151712 formed</li> <li>Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9</li> <li>NMAC and 19.15.17.13 NMAC</li> </ul>
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 (1) 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         Quality Control/Quality Assurance Construction and Installation Plan         Operating and Maintenance 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 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 X Workover       Emergency       Cavitation       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 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, 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-01-0	010B
Disposal Facility Name: Basin Disposal Facility Disposal Facility Permit #: NM-01-005	
Will any of the proposed closed-loop system operations and associated activities occur on or in areas that <i>will not</i> be used for future 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 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	AC 
17 <u>Siting Criteria (Regarding on-site closure methods only:</u> 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 certain siting criteria may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to 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 fect below the bottom of the buried waste.	Yes No
- NM Office of the State Engineer - iWATERS database search; USGS: Data obtained from nearby wells	∐N/A
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 obtained 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 - 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 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 existence at the time of initial application. - 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 than five households use for domestic or stock watering purposes, or within 1000 horizontal fee of any other fresh water well or spring, in existence at the time of the initial application. - NM Office of the State Engineer - iWATERS database; 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
<ul> <li>Written commutation of vertileation from the municipality, written approval obtained from the municipality</li> <li>Within 500 fect of a wetland</li> <li>US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site</li> </ul>	Yes No
Within the area overlying a subsurface mine.	Yes No
- Written confiramtion 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 & Mineral Resources; USGS; NM Geological Society; Topographic map	
Within a 100-year floodplain. - FEMA map	Yes No
18 On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must bee attached to the closu	ure plan. Please indicate.
by a check mark in the box, that the documents are attached.	
Siting Criteria Compliance Demonstrations - based upon the appropriate 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 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 Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC	19.15.17.11 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 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

<b>Operator Application Certification:</b>	
	tion is true, accurate and complete to the best of my knowledge and belief.
Name (Print): DENISE JOURNEY	
Signature: DIMSE DUILUY	Date:         1/24/2013           Wind comp         (505) 326 0556
e-mail address: <u>Denise. Journey@conoceshil</u>	Itips.com         Telephone:         (505) 326-9556
20	
OCD Approval: Permit Application (including clos	une plam) Closure Plan (only) OCD Conditions (see attachment)
OCD Representative Signature:	Approval Date: 1/29/2013
Title: (om)lance O	QCD Permit Number:
Title:	
21	
Closure Report (required within 60 days of closure co	<b>mpletion):</b> Subsection K of 19.15.17.13 NMAC usure 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	s 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 activ	· _
	Closure Completion Date:
22	
Closure Method: Waste Excavation and Removal On-site Clo	osure 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 Clo	sed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only:
	the liquids, drilling fluids and drill cuttings were disposed. Use attachment if more than two facilities
were utilized.	Dissect Deville Devicit Marchan
Disposal Facility Name:	
Disposal Facility Name:	Disposal Facility Permit Number:
Yes (If yes, please demonstrate compliane to the items	
Required for impacted areas which will not be used for futu	
Site Reclamation (Photo Documentation)	
Soil Backfilling and Cover Installation	
Re-vegetation Application Rates and Seeding Techniqu	e
24 Closure Report Attachment Checklist: <i>Instructions</i> :	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.	Each of the following news must be anached to the closure report. Theuse mancate, by a check mark th
Proof of Closure Notice (surface owner and division	on)
Proof of Deed Notice (required for on-site closure)	
Proof of Deed Notice (required for on-site closure) Plot Plan (for on-site closures and temporary pits)	
Proof of Deed Notice (required for on-site closure)           Plot Plan (for on-site closures and temporary pits)           Confirmation Sampling Analytical Results (if application)	icable)
<ul> <li>Proof of Deed Notice (required for on-site closure)</li> <li>Plot Plan (for on-site closures and temporary pits)</li> <li>Confirmation Sampling Analytical Results (if applied Waste Material Sampling Analytical Results (if applied to the second sec</li></ul>	icable)
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<ul> <li>Proof of Deed Notice (required for on-site closure)</li> <li>Plot Plan (for on-site closures and temporary pits)</li> <li>Confirmation Sampling Analytical Results (if applied Waste Material Sampling Analytical Results (if applied Disposal Facility Name and Permit Number</li> <li>Soil Backfilling and Cover Installation</li> <li>Re-vegetation Application Rates and Seeding Tech</li> <li>Site Reclamation (Photo Documentation)</li> </ul>	icable) plicable) hnique
<ul> <li>Proof of Deed Notice (required for on-site closure)</li> <li>Plot Plan (for on-site closures and temporary pits)</li> <li>Confirmation Sampling Analytical Results (if applied Waste Material Sampling Analytical Results (if applied Disposal Facility Name and Permit Number</li> <li>Soil Backfilling and Cover Installation</li> <li>Re-vegetation Application Rates and Seeding Tech</li> <li>Site Reclamation (Photo Documentation)</li> <li>On-site Closure Location: Latitude:</li> </ul>	icable) plicable) hnique Longitude:NAD [] 1927 [] 1983
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Proof of Deed Notice (required for on-site closure) Plot Plan (for on-site closures and temporary pits) Confirmation Sampling Analytical Results (if application and permit Number Disposal Facility Name and Permit Number Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Tech Site Reclamation (Photo Documentation) On-site Closure Location: Latitude: 25 Operator Closure Certification: I hereby certify that the information and attachments submitted the closure complies with all applicable closure requirements and permited and permit	icable) plicable) hnique Longitude:NAD [ 1927 [ 1983NAD [ 1927 [ 1983 [ 19
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Proof of Deed Notice (required for on-site closure)     Plot Plan (for on-site closures and temporary pits)     Confirmation Sampling Analytical Results (if applied Waste Material Sampling Analytical Results (if applied Waster Material Sampling Analytical Results (if applied Waster Results	icable) plicable) hniqueLongitude:NAD [ 1927 [ 1983NAD [ 1927 [ 1983

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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:

- 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.