District I 1625 N French Dr , Hobbs, NM 88240 District II 1301 W Grand Ave. Artesia NM 88211

State of New Mexico Energy Minerals and Natural Resources

Santa Fe, NM 87505

Department
Oil Conservation Division
1220 South St. Francis Dr.

Form C-144 July 21, 2008

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

For permanent pits and exceptions submit to the Santa Fe

Environmental Bureau office and provide a copy to the

appropriate NMOCD District Office

District II
1301 W Grand Ave , Artesia, NM 88210
District III
1000 Rio Brazos Rd , Aztec, NM 87410
District IV

1220 S St Francis Dr , Santa Fe, NM 87505

Pit, Closed-Loop	<u>o System, Below-C</u>	<u>Frade Tank, or</u>
Proposed Alternative l	Method Permit or	Closure Plan Application

W	Type of action:	Permit of a pit, closed-lo	oop system, below-gr	ade tank, or	proposed al	ternative	method	
		X Closure of a pit, closed-l	loop system, below-g	rade tank, o	r proposed a	ılternative	method	
		Modification to an exist	ing permit					
		Closure plan only submi			non-permitte	ed pit, clo	sed-loop	system,
	70.	below-grade tank, or pro	•					
		plication (Form C-144) per this request does not relieve the opera	_		_			_
		ve the operator of its responsibility to	-	-		_		
1 Operator: B ı	ırlington Resources Oil	& Gas Company, LP		OGR	ID#: 1453	38		
) Box 4289, Farmington				•			
Facility or we	ell name: Frontier B 3						·	
API Number:	30	-045-06861	OCD Permit N	lumber.				
U/L or Qtr/Qt	tr: <u>E(SW/NW)</u> Section	n: 4 Township:	27N Range:	11W	County:	San Jua	an	
'	posed Design: Latitude:	36.60515	<u>oN</u> Longitude:		01488	<u>°W</u> N	NAD: X]1927[]1983
Surface Owne	er: X Federal	State Private	Tribal Trust or	Indian Allot	ment			
2	h	11 2744 C					PCUD	JAN 19'12
	bsection F or G of 19.15 17							CONS. DIV.
Temporary Permaner	Drilling Work	over						
Lined		er type Thickness	mil LLDPE	HDPE	ПрусГ	Other		DIST. 3
String-Re	L		2357.2] 0		
Liner Seams		etory Other	Volume	bbl	Dimensions	s L	x W	x D
		· 🗆						
X Closed	d-loop System: Subsection	on H of 19.15.17 11 NMAC						
Type of Ope		. –	rkover or Drilling (Appl	lies to activiti	es which requ	lire prior a	pproval of	f a permit or
	🗖	_	ce of intent)					
Drying		d Steel Tanks Haul-off I		Пноре		Jou		
Lined Liner Seams	Unlined Liner Welded Fac	type Thickness	mil`LLDPE	Шноче	PVD	Other		
Emer Seams								
4 Below-	grade tank: Subsection I	of 19 15.17 11 NMAC						
Volume	bb	l Type of fluid		-				
Tank Constr	uction material							
Secondar	y containment with leak dete	ection Visible sidew	alls, liner, 6-inch lift an	d automatic o	verflow shut-	-off		
Usible Visible	sidewalls and liner	Visible sidewalls only	Other	,				
Liner Type	Thickness	milHDPE _	PVC Othe	r			<u>-</u>	
5 Altern	ative Method:				a			
Submittal of	an exception request is requ	ired Exceptions must be subm	itted to the Santa Fe En	vironmental	Bureau office	tor consid	leration 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, institution or church) 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 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 (Fencing/BGT Liner) Exception(s) Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval				
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) - Visual inspection (certification) of the proposed site; Aerial photo, Satellite image	Yes NA	No		
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 Within a 100-year fleedulain	Yes	□ No		
Within a 100-year floodplain - FFMA man	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 19.15.17.11 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
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 Cookering and Hydrogen Logic Data (only for one site cleaves), because the requirements of Paragraph (2) of Subsection P. of 10.15.17.0
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
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
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

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16 Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Ste	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				
Disposal Facility Name	Disposal Facility Permit #			
Disposal Faculity Name:	Disposal Facility Permit #.			
Will any of the proposed closed-loop system operations and associated activiting the Yes (If yes, please provide the information No	es occur on or in areas that will not be used for future s	ervice 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 Plan - based upon the app	iate requirements of Subsection H of 19 15 17 13 NMA ection I of 19 15 17 13 NMAC	С		
17 Siting Criteria (Regarding on-site closure methods only: 19 15 17 10 NMA Instructions Each siting criteria requires a demonstration of compliance in the closure plan certain siting criteria may require administrative approval from the appropriate district offi office for consideration of approval Justifications and/or demonstrations of equivalency ar	n Recommendations of acceptable source material are provided l ce or may be considered an exception which must be submitted to			
Ground water is less than 50 feet below the bottom of the buried waste		Yes No		
- NM Office of the State Engineer - 1WATERS database search, USGS Data ob	tained from nearby wells	∐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 - iWATERS database search, USGS, Data obt	ained 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 - (WATERS database search, USGS, Data obt	ained 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)	cant 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 - Visual inspection (certification) of the proposed site, Aerial photo, satellite imag		Yes No		
Within 500 horizontal feet of a private, domestic fresh water well or spring that less the purposes, or within 1000 horizontal fee of any other fresh water well or spring, in exist - NM Office of the State Engineer - iWATERS database; Visual inspection (certification)	tence at the time of the initial application	L_Yes L_No		
Within incorporated municipal boundaries or within a defined municipal fresh water w pursuant to NMSA 1978, Section 3-27-3, as amended - Written confirmation or verification from the municipality, Written approval obt		Yes No		
Within 500 feet of a wetland - US Fish and Wildlife Wetland Identification map, Topographic map, Visual ins	, ,	Yes No		
Within the area overlying a subsurface mine		Yes No		
- Written confiramtion or verification or map from the NM EMNRD-Mining and I	Mineral Division			
Within an unstable area - Engineering measures incorporated into the design, NM Bureau of Geology & N	Inneral Resources; USGS; NM Geological Society,	YesNo		
Topographic map Within a 100-year floodplain - FEMA map		Yes No		
On-Site Closure Plan Checklist: (19 15 17 13 NMAC) Instructions: Each by a check mark in the box, that the documents are attached.	h of the following items must bee attached to the clost	re plan. Please indicate,		
Siting Criteria Compliance Demonstrations - based upon the appropria	ate requirements of 19 15 17 10 NMAC			
Proof of Surface Owner Notice - based upon the appropriate requirement	ents 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 appropria	•			
Waste Material Sampling Plan - based upon the appropriate requireme		annot he achieved)		
Disposal Facility Name and Permit Number (for liquids, drilling fluids	-	annot be acmeved)		
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 Sci				

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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
OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature: Approval Date: 19/202 Title: OCD Permit Number:
21
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: 1/4/2012
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 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 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 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) CRYSTAL TAFOYA Title STAFF REGULATORY TECHNICIAN
Signature John Taloya Date 1/18/2012
e-mail address crystal.tafoya@conocophillips com Telephone (505) 326-9837