District I	State of New Mexico	Form C-1
1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 1301 W. Grand Ave., Artesia, NM 88210	Energy Minerals and Natural Resources Department Oil Conservation Division	July 21, 20 For temporary pits, closed-loop sytems, and below-grade tanks, submit to the appropriate NMOCD District Office.
District III 1000 Rio Brazos Rd., Aztec, NM 87410	1220 South St. Francis Dr. Santa Fe, NM 87505	For permanent pits and exceptions submit to the Santa Fe Environmental Bureau office and provide a copy to the
District IV 1220 S. St. Francis Dr., Santa Fe, NM 8750	5	appropriate NMOCD District Office.
_	Pit, Closed-Loop System, Below-Gra	<u>de Tank, or</u>
$\frac{Prc}{Prc}$	posed Alternative Method Permit or Clo	osure Plan Application
Type of action:	Permit of a pit, closed-loop system, below-grade t	ank, or proposed alternative method
	Closure of a pit, closed-loop system, below-grade	tank, or proposed alternative method
	X Modification to an existing permit	
	Closure plan only submitted for an existing permi below-grade tank, or proposed alternative method	tted or non-permitted pit, closed-loop system,
Instructions: Please submit on	e application (Form C-144) per individual pit, closed-la	oop system, below-grade tank or alternative request
	al of this request does not relieve the operator of liability should operations relieve the operator of its responsibility to comply with any other applicab	
1 Operator: Burlington Resources (OGRID#: <u>14538</u>
Address: PO Box 4289, Farming		
Facility or well name: San Juan 2		
	30-039-22991 OCD Permit Numb	······································
· · ·	tion: <u>3</u> Township: <u>27N</u> Range:	4W County: Rio Arriba
Center of Proposed Design: Latitud		107.23329 °W NAD: X 1927 198
Surface Owner: X Federal	State Private Tribal Trust or India	
² <u>Pit:</u> Subsection F or G of 19.15 Temporary: Drilling W	orkover	RCUD DEC 23'1 UIL CONS. DIV DIST. 3
Permanent Emergency Lined Unlined	Cavitation P&A Liner type:. Thickness mil LLDPE	HDPE PVC Other
	Liner type: . Thickness mil LLDPE	HDPE PVC Other
Lined Unlined String-Reinforced Liner Seams: Welded .	Liner type: . Thickness mil LLDPE	bbl Dimensions Lx Wx D
Lined Unlined String-Reinforced Liner Seams: Welded . 3 X <u>Closed-loop System:</u> Subsection: P&A Type of Operation: P&A Drying Pad X Above Grown X Lined Unlined Li	Liner type: . Thickness mil LLDPE Factory Dther Volume: retion H of 19.15.17.11 NMAC Cancel Permit Filed	bbl Dimensions Lx Wx D
Lined Unlined String-Reinforced Liner Seams: Welded . 3 X <u>Closed-loop System:</u> Subsection: P&A Drying Pad X Above Grown X Lined Unlined Lither Seams: X Welded X 4 Below-grade tank: Subsection Volume:	Liner type: Thickness mil LLDPE Factory Other Volume:	bbl Dimensions Lx Wx D
Lined Unlined String-Reinforced Liner Seams: Welded . 3 X Closed-loop System: Subsection: P&A Drying Pad X Above Grown X Lined Unlined Lither Seams: X Welded X 4 Below-grade tank: Subsection Volume: Tank Construction material: Secondary containment with leak Visible sidewalls and liner	Liner type: Thickness mil LLDPE Factory Other Volume:	bbl Dimensions Lx Wx D on 1/13/2010 HDPEPVDOther
Lined Unlined String-Reinforced Liner Seams: Welded . 3 X Closed-loop System: Subsection: P&A Drying Pad X Above Grown X Lined Unlined Li Liner Seams: X Welded X 4 Below-grade tank: Subsection Volume: Tank Construction material: Secondary containment with leak	Liner type: Thickness mil LLDPE Factory Other Volume:	bbl Dimensions Lx Wx D on 1/13/2010 HDPEPVDOther
Lined Unlined String-Reinforced Liner Seams: Welded . 3 X <u>Closed-loop System:</u> Subsection Type of Operation: P&A Drying Pad X Above Grown X Lined Unlined Li Liner Seams: X Welded X 4 Below-grade tank: Subsection Volume: Tank Construction material: Secondary containment with leak Visible sidewalls and liner Liner Type: Thickness	Liner type: Thickness mil LLDPE Factory Other Volume:	bbl Dimensions Lx Wx D on 1/13/2010 HDPEPVDOther
Lined Unlined String-Reinforced Liner Seams: Welded . 3 X Closed-loop System: Subsection: P&A Drying Pad X Above Grack Liner Seams: X Welded X Below-grade tank: Subsection Volume: Tank Construction material: Secondary containment with leak Visible sidewalls and liner Liner Type: Thickness	Liner type: Thickness mil LLDPE Factory Other Volume:	bbl Dimensions Lx Wx D on 1/13/2010 HDPEPVDOther
Lined Unlined String-Reinforced Liner Seams: Welded 3 Closed-loop System: X Closed-loop System: Subsection: P&A Drying Pad X Above Greation: P&A Drying Pad X Above Greation: P&A Lined Unlined Liner Seams: X Welded X 4 Below-grade tank: Subsection Volume:	Liner type: Thickness mil LLDPE Factory Other Volume:	bbl Dimensions Lx Wx D on 1/13/2010 HDPEPVDOther
Lined Unlined String-Reinforced Liner Seams: Welded 3 Closed-loop System: X Closed-loop System: Subsection: P&A Drying Pad X Above Greation: P&A Drying Pad X Above Greation: P&A Lined Unlined Liner Seams: X Welded X 4 Below-grade tank: Subsection Volume:	Liner type: Thickness mil LLDPE Factory Other Volume:	bbl Dimensions Lx Wx D on 1/13/2010 HDPE PVD Other

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6 <u>Fencing</u> : 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					
7 <u>Netting:</u> Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks) D Superson D States					
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					
XSigned in compliance with 19.15.3.103 NMAC					
9					
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)	ideration of ap	proval.			
Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.					
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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					
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.	Yes	No			
(Applied to permanent pits) - 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 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 <u>Closed-loop Systems 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. 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 (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
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 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 % IE1 Disposal Facility Permit #: NM-0109911 / NM 01-0	0010B
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	e 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 NM 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	IAC
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 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 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	
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	
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.	Yes No
 Written confirmation or verification from the municipality; Written approval obtained 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	
Within the area overlying a subsurface mine. - Written confirantion or verification or map from the NM EMNRD-Mining and Mineral Division	Yes No
Within an unstable area.	Yes No
 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 be attached to the close by a check mark in the box, that the documents are attached.	sure plan. Please indicate,
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	t 19.15.17.11 NMAC
Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC	с
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 of 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 	cannot be achieved)

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19 Operator Application Certifi	cation:			
	n submitted with this application is true, acc	curate and complete to the best	of my knowledge and belief.	
		m :1		
Signature:			······································	
e-mail address:		Telephone:		
# <u>OCD Approval:</u> Permit / OCD Representative Signatu	Application (including closure blan)	Closare P lan (only)	OCD Conditions (see attachment)Approval Date:/7/2014	
Title: Complia	ne Offici	OCD Permit	Number:	
Instructions: Operators are requir report is required to be submitted		r to implementing any closure tion of the closure activities. I completed.	activities and submitting the closure report. The closure Please do not complete this section of the form until an Completion Date:N/A Cancel Permit	
22				
Closure Method: Waste Excavation and Rer If different from approved		Alternative Closure Me	withod X Waste Removal (Closed-loop systems only)	.
#				
Instructions: Please identify the f were utilized. Disposal Facility Name: Er Disposal Facility Name: Ba Were the closed-loop system of Yes (If yes, please demons Required for impacted areas w Site Reclamation (Photo D Soil Backfilling and Cover Re-vegetation Application	avirotech / JFJ Landfarm % IEI isin Disposal Facility berations and associated activities performed atrate compliane to the items below) hich will not be used for future service and of occumentation)	Disposal Facility Per Disposal Facility Per Disposal Facility Per I on or in areas that will not be X No (Original Appro	were disposed. Use attachment if more than two facilities rmit Number: <u>NM-01-0011 / NM-01-0010B</u> rmit Number: <u>NM-01-005</u>)
24 Closure Report Attachmer	at Checklist. Instructions: Each of the fo	Mowing items must be attach	ed to the closure report. Please indicate, by a check mark in	
the box, that the documents ar		no ring acms mass be unacht	en iv ine closure report. Trease multure, by a check mark m	
Proof of Closure Notice	(surface owner and division)			
	equired for on-site closure)			
Plot Plan (for on-site clo	sures and temporary pits)			
	Analytical Results (if applicable)			
	g Analytical Results (if applicable)			
Disposal Facility Name				
Soil Backfilling and Cov				
	on Rates and Seeding Technique			
Site Reclamation (Photo	e i			
On-site Closure Location	·	Longitude:	NAD X 1927 1983	
	n: Latitude:	Longnude.	NAU [X] 1927 [1983	
			complete to the best of my knowledge and belief. I also certify replan.	that
Name (Print):	Kenny Davis	Title:	Staff Regulatory Technician	
	MAN T			
Signature:	the	Date:	12/20/2013	
	enny.r.davis@conocophillips.com	Date: Telephone:	505-599-4045	

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