## State of New Mexico Energy Minerals and Natural Resources

Form C-144 July 21, 2008

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

Department Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

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

1220	S. St	. Francis	Dr.,	Santa	Fe,	NM	8750
	-						D

<u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505	Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.
Pit, Closed-Loop System, Below-	Grade Tank, or
Proposed Alternative Method Permit or  Type of action:  Permit of a pit, closed-loop system, below-g  X Closure of a pit, closed-loop system, below-g	Closure Plan Application
Type of action: Permit of a pit, closed-loop system, below-g	grade tank, or proposed alternative method
X Closure of a pit, closed-loop system, below-	
Modification to an existing permit	
Closure plan only submitted for an existing	permitted or non-permitted pit, closed-loop system,
below-grade tank, or proposed alternative n	
Instructions: Please submit one application (Form C-144) per individual pit, clos	
Please be advised that approval of this request does not relieve the operator of liability should open environment. Nor does approval relieve the operator of its responsibility to comply with any other approval.	
1 Operator: ConocoPhillips Company	OGRID#: 217817
Address: PO Box 4289, Farmington, NM 87499	
Facility or well name: FC State Com 4A	
API Number: 30-045-32161 OCD Permit	Number:
U/L or Qtr/Qtr: <u>C(NE/NW)</u> Section: <u>36</u> Township: <u>31N</u> Range:	
Center of Proposed Design: Latitude: 36.8583 °N Longitude	
Surface Owner: Federal X State Private Tribal Trust of	r Indian Allotment
2	RCVD MAR 28 '13
Pit: Subsection F or G of 19.15.17.11 NMAC	OIL CONS. DIV.
Temporary: Drilling Workover	DIST. 3
Permanent Emergency Cavitation P&A  Lined Unlined Liner type: Thickness mil LLDP	
	E HDFE FVC Other
Liner Seams: Welded Factory Other Volume:	bbl Dimensions L x W x D
Liner Seams: Welded Factory Other Volume:	bbl Dimensions Lx Wx D
X Closed-loop System: Subsection H of 19.15.17.11 NMAC	
	plies to activities which require prior approval of a permit or
notice of intent)	,
Drying Pad X Above Ground Steel Tanks Haul-off Bins Other	
	E HDPE PVD Other
Liner Seams: Welded Factory Other	
4	
Below-grade tank: Subsection 1 of 19.15.17.11 NMAC	
Volume:bbl Type of fluid:	
Tank Construction material:  Secondary containment with leak detection  Visible sidewalls, liner, 6-inch lift a	
Visible sidewalls and liner Visible sidewalls only Other	nd automatic overnow shut-off
Liner Type: Thickness mil HDPE PVC Oth	ner
Alternative Method:	
Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe E	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, 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)					
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					
X Signed 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 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.	Yes No				
(Applied to permanent pits) - Visual inspection (certification) of the proposed site; Acrial photo; Satellite image	□ NA				
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				
<ul> <li>Within an unstable area.</li> <li>Engineering measures incorporated into the design; NM Bureau of Geology &amp; Mineral Resources; USGS; NM Geological Society; Topographic map</li> </ul>	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  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				
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				
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				
Proposed Clayura Mathed: Weste Fuguration and Removal				
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)				
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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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 cut facilities are required.	Instructions: Please identify the facility or facilities for the disposal of liquids, drilling fluids and drill cuttings. Use attachment if more than two					
Disposal Facility Name: Disposal Facility	Permit #:					
	Permit #:					
	Will any of the proposed closed-loop system operations and associated activities occur on or in areas that will not be used for future 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						
17 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.	Yes	No				
- NM Office of the State Engineer - iWATERS database search; USGS: Data obtained from nearby w	vells 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 we	ells N/A	_				
Ground water is more than 100 feet below the bottom of the buried waste.	Yes	ΠNo				
- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby we	ells N/A					
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or I (measured from the ordinary high-water mark).	lakebed, sinkhole, or playa lake	□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 - Visual inspection (certification) of the proposed site; Aerial photo; satellite image	of initial application.	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 pursuant to NMSA 1978, Section 3-27-3, as amended.		□No				
<ul> <li>Written confirmation or verification from the municipality; Written approval obtained from the munic</li> <li>Within 500 feet of a wetland</li> </ul>	Yes	ΠNo				
<ul> <li>US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification)</li> </ul>						
Within the area overlying a subsurface mine.	Yes	No				
- Written confirantion or verification or map from the NM EMNRD-Mining and Mineral Division		_				
Within an unstable area.	Yes	∐No				
<ul> <li>Engineering measures incorporated into the design; NM Bureau of Geology &amp; Mineral Resources; US</li> <li>Topographic map</li> </ul>	SGS; NM Geological Society;					
Within a 100-year floodplain FEMA map	Yes	□No				
18						
<u>On-Site Closure Plan Checklist:</u> (19.15.17.13 NMAC) Instructions: Each of the following is by a check mark in the box, that the documents are attached.	tems must bee attached to the closure plan. Plea	ase 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 I	F of 19.15.17.13 NMAC	1				
Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requ						
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 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 1 of 19.15.17  Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15	Re-vegetation Plan - based upon the appropriate requirements of Subsection 1 of 19.15.17.13 NMAC  Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC					

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:						
C-man address.						
20 OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature: Approval Date: 4/02/2013 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.  [X] Closure Completion Date: 3/7/2013						
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 <u>Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only:</u> 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 operations?  Yes (If yes, please demonstrate compliane to the items below)  X 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						
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						
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: 3/28/13						
c-mail address: dollie.l.busse@conocophillips.com Telephone: (505) 324-6104						