District I 1625 N French Dr , Hobbs, NM 88240

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 appropriate NMOCD District Office

10218
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District IV

1220 S St Francis Dr , Santa Fe, NM 87505	appropriate NMOCD District Office
Prope	Pit, Closed-Loop System, Below-Grade Tank, or osed Alternative Method Permit or Closure Plan Application
Type of action	X Permit of a pit, closed-loop system, below-grade tank, or proposed alternative method  Closure of a pit, closed-loop system, below-grade tank, or proposed alternative method  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 method
Please be advised that approval of	pplication (Form C-144) per individual pit, closed-loop system, below-grade tank or alternative request of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the neve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances
Operator: ConocoPhillips Compan	OGRID# 217817

environment Nor does approval relieve the operator of its responsibility to comply with any other applicability	le governmental authority's rules, regulations or ordinances
Operator: ConocoPhillips Company	OGRID# <u>217817</u>
Address PO Box 4289, Farmington, NM 87499	
Facility or well name Maddox WN Federal 5	
API Number 30-045-30338 OCD Permit Number	ber
U/L or Qtr/Qtr. A(NE/NE) Section. 24 Township. 30N Range	13W County. San Juan
Center of Proposed Design Latitude: <u>36.802881</u> °N Longitude	108.151401 °W NAD X 1927 1983
Surface Owner. X Federal State Private Tribal Trust or Indi	an Allotment
Pit: Subsection F or G of 19 15 17 11 NMAC  Temporary Drilling Workover Permanent Emergency Cavitation P&A Lined Unlined Liner type Thickness mil LLDPE String-Reinforced Liner Seams Welded Factory Other Volume	RCVD JUM 22 '12 OIL CONS. DIV. DIST. 3  HDPE PVC Other bbl Dimensions L x W x D
notice of intent)  Drying Pad X Above Ground Steel Tanks Haul-off Bins Other	o activities which require prior approval of a permit or  HDPE PVD Other
Below-grade tank: Subsection I 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 and au  Visible sidewalls and liner Visible sidewalls only Other  Liner Type Thickness mil HDPE PVC Other	tomatic overflow shut-off
Submittal of an exception request is required Exceptions must be submitted to the Santa Fe Enviro	nmental Bureau office for consideration of approval

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Alternate Péace specify		titution or chu	irch)
Science   Subsection E of 19 13 17 11 NIMAC (Applies to per namon par and permanent sque top tunky)			
Screen   Netting   Other	Atternate riease specify		
Signal: Subsection C of 19 13 17 11 NMAC			
Signs: Subsection C of 19 15 17 11 NMAC    12 * X 24 * 2* lettering: providing Operator's name, site location, and energency telephone numbers   Signed in compliance with 19 15 3 103 NMAC    Administrative Approvals and Exceptions:			ı
Signs   Subsection C of 19 1s 17 11 NNAC	Nonthly inspections (if heiting or screening is not physically feaviole)		
Administrative Augmovals 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 required. Please refer to 19 15 17 NMAC for guidance  Please check a box if one or more of the following is required to the appropriate division district of the Santa Fe Environmental Bureau office for consideration of approval (*recurring first Tuner)  [Caception(s) Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.  [Stime Criteria (regarding permitting)] 19 15 17 10 NMAC  Justification Engagement and Ammonistre compliance for each siding criteria below in the application. Recommendations of acceptable source material are provided below. Requests regarding changes to certain sting criteria may require administrative approval from the appropriate district officer on my be considered on a considered an excluding which are also selectated in the submitted to t	Signs: Subsection C of 19 15 17 11 NMAC		
Administrative Autorevals and Exceptions:			<u>.</u>
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Cenning/BGT Linery			
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Within a 100-year floodplain	- Engineering measures incorporated into the design, NM Burcau of Geology & Mineral Resources, USGS, NM Geological	Yes	No
·	Within a 100-year floodplain	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
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
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 Words Street Characterization
☐ 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 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)
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 <u>Removal Closure</u> For Closed-loop Systems That Utilize Above Ground Str	eel Tanks or Haul-off Bins On	<u>lv:</u> (19 15 17 13 D NMAC)		
Instructions Please identify the facility of facilities for the disposal of liquids, drillin facilities are required				
Disposal Facility Name Envirotech / JFJ Landfarm / IEI	Disposal Facility Permit #	NM-01-0011 / NM-01-00	10B	
Disposal Facility Name Basin Disposal Facility	Disposal Facility Permit #	NM-01-005		
Will any of the proposed closed-loop system operations and associated activiting Yes (If yes, please provide the information No	ies occur on or in areas that i	vill 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 of the service and operations.		ion H of 19 15 17 13 NMA	.С	
Re-vegetation Plan - based upon the appropriate requirements of Subse				
Site Reclamation Plan - based upon the appropriate requirements of Su	ibsection G of 19 15 17 13 N	IMAC		
17 Siting Criteria (Regarding on-site closure methods only: 19 15 17 10 NMA Instructions Each string criteria requires a demonstration of compliance in the closure plan certain string criteria may require administrative approval from the appropriate district office.	Recommendations of acceptable			
office for consideration of approval - Justifications and/or demonstrations of equivalency are	e 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 - NM Office of the State Engineer - iWATERS database search, USGS Data ob	tained from nearby wells		Yes N/A	∐No
Ground water is between 50 and 100 feet below the bottom of the buried wast	e		□Yes	□No
- NM Office of the State Engineer - tWATERS database search, USGS, Data obt			□N/A	ш···
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, 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 - Visual inspection (certification) of the proposed site, Aerial photo, satellite image		pplication	Yes	∐No
			Yes	No
Within 500 horizontal feet of a private, domestic fresh water well or spring that less th purposes, or within 1000 horizontal fee of any other fresh water well or spring, in exist - NM Office of the State Engineer - tWATERS database, Visual inspection (certification)	tence at the time of the initial ap	_		
Within incorporated municipal boundaries or within a defined municipal fresh water w pursuant to NMSA 1978, Section 3-27-3, as amended		pal ordinance adopted	Yes	□No
<ul> <li>Written confirmation or verification from the municipality, Written approval obtained.</li> <li>Within 500 feet of a wetland</li> </ul>	ained from the municipality		Yes	$\square_{N_0}$
- US Fish and Wildlife Wetland Identification map, Topographic map, Visual insp	pection (certification) of the prop	posed site	٠٠٠٠	
Within the area overlying a subsurface mine			Yes	No
- Written confirantion or verification or map from the NM EMNRD-Mining and Mineral Division		П.,		
Within an unstable area - Engineering measures incorporated into the design, NM Bureau of Geology & M	lineral Resources, USGS, NM (	Geological Society.	Yes	∐No
Topographic map	,	,,		
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	st bee attached to the closu	re plan. Pleas	se indicate,
Siting Criteria Compliance Demonstrations - based upon the appropria	te requirements of 19 15 17	10 NMAC		
Proof of Surface Owner Notice - based upon the appropriate requireme	ents of Subsection F of 19 15	17 13 NMAC		
Construction/Design Plan of Burial Trench (if applicable) based upon t	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 and drill cuttings or in case on-site closure standards cannot be achieved)  Soil Cover Design, based upon the consequence of Subsection H of 10.15.17.13 NMAC.				
Soil Cover Design - based upon the appropriate requirements of Subsection Re-vegetation Plan - based upon the appropriate requirements of Subsection Plan -				ļ
Site Reclamation Plan - based upon the appropriate requirements of Su				

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) Dolliè L Busse Title Staff Regulatory Technician
Signature Millie J. Decesse Date 6.121/12
e-mail address dollie I busse@conocophillips com Telephone 505-324-6104
20 OCD Approval: Permit Application (preliading closuse plan) Closuse Plan (only) OCD Conditions (see attachment)
OCD Representative Signature: Approval Date: Approval Date:
Title: (OM) Cauce () Office OCD) Permit Number:
Closure Report (required within 60 days of closure completion): Subsection K of 1915 1713 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 compliane to the atems 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
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 (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

## ConocoPhillips Company Closed-loop Plans

## Closed-loop Design Plan

COPC'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**

COPC'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.