District I 1625 N French Dr., Hobbs, NM 88240

District It 1301 W. Grand Ave , Artesia, NM 88210

District III 1000 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico Energy Minerals and Natural Resources

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

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

District IV 1220 S St Francis Dr , Santa Fe, NM 87505	Environmental Bureau office and provide a copy to the appropriate NMOCD District Office
9044 Prope	Pit, Closed-Loop System, Below-Grade Tank, or osed Alternative Method Permit or Closure Plan Application
Type of action:	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
Instructions: Please submit one a	oplication (Form C-144) per individual pit, closed-loop system, below-grade tank or alternative request
	this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the

Operator: ConocoPhillips Company OGRID#: 217817 Address: PO Box 4289, Farmington, NM 87499 Facility or well name: SAN JUAN 30-5 UNIT 51N API Number: 30-039-30920 OCD Permit Number: U/L or Qtr/Qtr: N(SE/SW) Section: 30N 21 Township: Range: County: Rio Arriba 36.793248 ٥N Center of Proposed Design: Latitude: 107.366152 °W NAD: 1927 X 1983 Longitude: Surface Owner: Federal State X Private Tribal Trust or Indian Allotment X Pit: Subsection F or G of 19.15.17 11 NMAC Drilling Workover Temporary: Permanent Emergency X Cavitation P&A (Pre-set) Thickness mil LLDPE HDPE PVC Other Lined Unlined Liner type: String-Reinforced Liner Seams Welded Subsection H of 19.15.17.11 NMAC Closed-loop System: Drilling a new well Workover or Drilling (Applies to activities which require prior approval of a permit or Type of Operation. P&A notice of intent) Above Ground Steel Tanks Haul-off Bins Other Unlined Liner type. mıl LLDPE HDPE Liner Seams Welded Factory Other Below-grade tank: Subsection Lof 19 15 17.11 NMAC Type of fluid. Volume. bbl Tank Construction material Secondary containment with leak detection Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off Visible sidewalls only Visible sidewalls and liner Other HDPE PVC Liner Type Thickness Other Alternative Method:

Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe 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)	r		
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:  X Administrative approval(s): Requests must be submitted to the appropriate division district of the Santa Fe Environmental Bureau office for consideration pit for Pre-set)  Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.	leration of app	roval.	
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.  (Applies to temporary, emergency, or cavitation pits and below-grade tanks)	Yes	□No	
- 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.  (Applied to permanent pits)	☐Yes ☐NA	No	
<ul> <li>Visual inspection (certification) of the proposed site; Aerial photo; Satellite image</li> <li>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.</li> </ul>	Yes	□No	
- NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site.		İ	
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	□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			
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 X 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			

Form C-144 Oil Conservation Division Page 3 of 5

16			
Waste Removal Closure For Closed-loop Systems That Utilize Above Grou Instructions Please identify the facility or facilities for the disposal of liquids,			
facilities are required	string flates and arm callings the anathren if more man two	O	
Disposal Facility Name: Envirotech / JFJ Landfarm % IEI	Disposal Facility Permit #: NM-01-0011 / NM-01-	0010B	
Disposal Facility Name: Basin Disposal Facility	Disposal Facility Permit #: NM-01-005		
Will any of the proposed closed-loop system operations and associated Yes (If yes, please provide the information No	activities occur on or in areas that will nbe used for future	e service and	
Required for impacted areas which will not be used for future service and oper	rations.		
Soil Backfill and Cover Design Specification - based upon the a		NMAC	
Re-vegetation Plan - based upon the appropriate requirements of Site Reclamation Plan - based upon the appropriate requirements			
Sie Recianiation Frant - based apon the appropriate requirements	of Sabsection G of 19 15 17 15 INMAC		
17 Siting Criteria (Regarding on-site closure methods only: 19.15.17.10 Instructions Each siting criteria requires a demonstration of compliance in the closure p certain siting criteria may require administrative approval from the appropriate district of office for consideration of approval. Justifications and/or demonstrations of equivalency	lan Recommendations of acceptable source material are provided below office or may be considered an exception which must be submitted to the .		
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. D	ata obtained from nearby wells	∐N/A	
Ground water is between 50 and 100 feet below the bottom of the burie	ed waste	Yes No	
- NM Office of the State Engineer - iWATERS database search; USGS; Da	ata obtained from nearby wells	□ N/A	
Ground water is more than 100 feet below the bottom of the buried wa	iste.	Yes No	
- NM Office of the State Engineer - iWATERS database search; USGS; Da		N/A	
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other	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 chi	surch in existence at the time of initial application	Yes No	
- Visual inspection (certification) of the proposed site; Aerial photo; satellit	1.		
		Yes No	
Within 500 horizontal feet of a private, domestic fresh water well or spring that purposes, or within 1000 horizontal fee of any other fresh water well or spring,  - NM Office of the State Engineer - iWATERS database; Visual inspection	in existence at the time of the initial application		
Within incorporated municipal boundaries or within a defined municipal fresh within to NMSA 1978, Section 3-27-3, as amended	ater well field covered under a municipal ordinance adopted	Yes No	
- Written confirmation or verification from the municipality, Written appro	oval obtained from the municipality		
Within 500 feet of a wetland - US Fish and Wildlife Wetland Identification map; Topographic map; Vis	sual inspection (certification) of the proposed site	Yes No	
Within the area overlying a subsurface mine.	an improved (commonton) or the proposed bits	☐Yes ☐No	
- Written confiramtion or verification or map from the NM EMNRD-Minin	g and Mineral Division		
Within an unstable area.		Yes No	
<ul> <li>Engineering measures incorporated into the design, NM Bureau of Geolog Topographic map</li> </ul>	gy & Mineral Resources; USGS, NM Geological Society,		
Within a 100-year floodplain FEMA map		Yes No	
18			
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: by a check mark in the box, that the documents are attached.	Each of the following items must bee attached to the cl	osure plan. Please indicate,	
Siting Criteria Compliance Demonstrations - based upon the app	propriate 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 19.15.17.11 NMAC			
X 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			
X Waste Material Sampling Plan - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC			
X 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			

19	Section
Operator Application Certi  I hereby certify that the informati	ion submitted with this application is true, accurate and complete to the best of my knowledge and belief
Name (Print)	Marie Eg Jaramillo ///, Title: Staff Regulatory Technician
• • •	111 1110 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Signature:	Date: Claramillo@corocophillips.com  Telephone: 505-326-9865
e-mail address: n	nafie e. aramillo@conocobhillips.com Telephone: 565-326-9865
20	
-· <u>-</u>	t Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment)
OCD Representative Signat	
Title: <i>E</i>	www.bpecOCD Permit Number:
21	
	ithin 60 days of closure completion): Subsection K of 19 15 17 13 NMAC
•	ired to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. The closure d to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an
•	obtained and the closure activities have been completed
	Closure Completion Date:
22 Closure Method:	
Waste Excavation and R	emoval On-site Closure Method Alternative Closure Method Waste Removal (Closed-loop systems only)
If different from approve	
I different from approve	и риан, рисам охриани.
23	
	ste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only:  facility or facilities for where the liquids, drilling fluids and drill cuttings were disposed. Use attachment if more than two facilities
instructions: rieuse tuentijy the were utilized.	jacinity or jacinines for where the aquias, ariting fluius and ariti cuttings were disposed. Ose anachment if more than two facilities
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 demo	nstrate complilane to the items below) No
Required for impacted areas	which will not be used for future service and operations:
Site Reclamation (Photo	
Soil Backfilling and Cov	
Re-vegetation Application	on Rates and Seeding Technique
24	
	tent 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	
므	ce (surface owner and division) (required for on-site closure)
	closures and temporary pits)
=	ng Analytical Results (if applicable)
<u> </u>	ling Analytical Results (if applicable)
Disposal Facility Nam	
Soil Backfilling and C	
	ation Rates and Seeding Technique
Site Reclamation (Pho	
On-site Closure Locat	ion: Latitude: Longitude: NAD 1927 1983
25	
Operator Closure Certifica	
	ion and attachments submitted with this closure report is ture, accurate and complete to the best of my knowledge and belief I also certify that clicable closure requirements and conditions specified in the approved closure plan
о оюни с сотрись жин ин ирр	
Name (Print):	Title:
Signature:	Date:
orginature.	Date.
e-mail address:	Telephone:

## ConocoPhillips Company Cavitation Pit for Closed-Loop Locations

## Design:

ConocoPhillips Company will use a cavitation pit plan when the surface casing will be pre-set on closed-loop locations. The drill cuttings will be stockpiled on the surface.

## **Operations and Maintenance:**

The cavitation pit will be operated and maintained as follows:

- 1. Only Fresh water and air will be used in the drilling of the surface casing.
- 2. The Cement used will be: Neat Cement with no additives.
- 3. All of the fluids will be removed within 48hrs after drilling.
- 4. A representative five point composite sample will be taken of the drill cuttings, after the setting of the surface casing is complete, using sampling tools and all samples will be tested per Subsection B of 19.15.17.13(B)(1)(b). In the event that the testing criteria is not met, all contents will be dug and hauled per Subparagraph (a) of Paragraph (1) of Subsection B of 19.15.17.13 i.e.

Components	Tests Method	Limit (mg/Kg)
Benzene	EPA SW-846 8021B or 8260B	0.2
BTEX	EPA SW-846 8021B or 8260B	50
TPH	EPA SW-846 418.1	2500
GRO/DRO	EPA SW-846 8015M	500
Chlorides	EPA 300.1	500

The NMOCD will be notified via email of the test results of the cavitation surface as follows:

Componer	nts -	Tests Method	Limit (mg/Kg)	Results
Benzene	EPA SW	/-846 8021B or 8260B	0.2	
BTEX	EPA SW	/-846 8021B or 8260B	50	
TPH	EP	A SW-846 418.1	2500	
GRO/DRO	O EP/	A SW-846 8015M	500	
Chlorides	3	EPA 300.1	500	

## Closure Plan:

- 1. The NMOCD will be notified of the sample results and the intent to start the closure process 3-7 days prior to the drill cuttings being transported, moved, or distributed on location.
- In the event the criteria are not met, all solids and liquids will be removed and disposed of at Envirotech (Permit #NM-01-0011) and/or Basin Disposal Facility (Permit #NM-01-005) and/or JFJ Landfarm % Industrial Ecosystem Inc. (Permit # NM-01-0010B).
- Testing results will be submitted with the Closure Report of the well locations Closed-Loop Permit on Form C-144.

ConocoPhillips is aware that approval of this plan does not relieve ConocoPhillips of liability should operations result in pollution of surface water, ground water, or the environment. Nor does approval relieve ConocoPhillips of its responsibility to comply with any other applicable governmental authority's rules and regulations.