District I

1625 N. French Dr., Hobbs, NM 88240

District I!

1301 W. Grand Ave., Artesia, NM 88210

State of New Mexico Energy Minerals and Natural Resources

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

1000 Rio Brazos Rd., Aztec, N		T. Francis Dr.	Para management and an anadam and an anadam to the Court Co.
District IV	Suite 10, 1	NM 87505	For permanent pits and exceptions submit to the Santa Fe Environmental Dureau office and provide a copy to the appropriate NMOCD District Office.
1220 S. St. Francis Dr., Sonta F		. 75 1 77 1	
4378	Pit, Closed-Loop System Proposed Alternative Metho		
Турс	Closure of a pit, closed-loop	p system, below-grade	ank, or proposed alternative method tank, or proposed alternative method
	below-grade tank, or propo-	d for an existing permit sed alternative method	tted or non-permitted pit, closed-loop system,
Instructions: Please s	ibmit one application (Form C-144) per inc	lividual pit, closed-loo,	p system, below-grade tank or alternative request
	that approval of this request does not relieve the operator of ses approval relieve the operator of its responsibility to com-		
Operator. ConocoPhilli		and the second second	OGRID#: <u>217817</u>
	, Farmington, NM 87499		
Facility or well name: S	an Juan 29-6 Unit 20		
API Number	30-039-07652	OCD Permit Numbe	er:
U/L or Qtr/Qtr: K(NE// Center of Proposed Desig Surface Owner X			6W County: Rio Arriba 107.488403 °W NAD: X 1927 1983 n Alfotment *** *** NAD: X 1927 1983
2			
Pit: Subsection F or	G of 19.15.17.11 NMAC		
femporary: Drill	ing Workover		
Permanent Eine	rgency Cavitation P&A		
Lined Unli	ned Liner type: Thickness	mil LLDPE	HDPE PVC Other
String-Reinforced			
Liner Scams: We	ded Factory Other	Volume:	bbl Dimensions L x W x D
X. Closed-loop System Type of Operation:			activities which require prior approval of a permit or
Drying Pad X Lined Unlin Liner Seams: Weld	Above Ground Steel Tanks Haul-off Binsed Liner type Thickness n	S Other	IDPE PVD Other
Volume:	Subsection Lof 19.15.17.11 NMAC bbl Type of fluid		
Tank Construction materi			
Secondary containmer Visible sidewalls an Line: Type: Thickne	d line: Visible sidewalls only	tiner, 6-inch hft and auto Other Other	matic overflow shut-off
5 Alternative Meth	od:		

Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

6 <u>Fencing:</u> Subsection D of 19,15 17 11 KMAC (Applies to permanent pit, temporary pus, and below-grade tanks)						
Chain link, six feet in height, two strands of hatbed wire at top //Required if located within 1900 feet of a permanent residence, school, hospital, institution or church)						
Four foot height, four strands of batbod wire evenly spaced between one had four feet Alternate Please specify						
7						
Netting: Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks)	Netting: Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tunks)					
Scree 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.	×					
10						
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 dues not apply to drying pads or above grade-tanks associated with a closed-loop system.						
Ground water is less than 50 feet below the hottom 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 plays lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	∏Yex	□No				
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.	Yes	Пио				
(Applies to temporary, emergency, or cavitation pits and below-grade tanks)	☐NA					
- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	<u></u>	[
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				
- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	<u> </u>					
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	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	Yes	No				
Within the area overlying a subsurface mine.	Yes	□No				
- Written confirmation or verification or map from the NM EMNRD - Mining and Mineral Division Within an unstable area Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological	Yes	No				
Society: Topographic map Within a 100-year Boodplain - FEMA map	Yes	∏No				

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Temnorary Pits, Emergency Pits and Below-grade Tanks Permit Application Attachment ChecklistSubsection 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					
Ulydrogeologic 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 Comphance 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 bas, 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					
tend					
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 lmx, 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 X Workover Emergency Cavitation P&A Permanent Pit Below-grade Fank 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 II of 19.15.17.13 NMAC					
Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC					
Sise Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC					

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10							
Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steet Varies or Baul-off Bins Only. (19.15.17.13.D) Instructions Please identify the facility or receives for the disposal of liquids, delining fluids and drill cultings. Tise allachment if more facilities are required	NMAC) than two						
Disposal Facility Name. Envirotech / JFJ Landfarm % JFI Disposal Facility Permit #: NM-01-0011 / N	NM-01-0010B						
Disposal Facility Name: Basin Disposal Facility							
Will any of the proposed closed-loop system operations and associated activities occur on or in areas that will not used to Yes (If yes, please provide the information No	or future service and						
Required for impacted areas which will not be used for future vervice 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							
Siting Criteria (Regarding on-site closure methods only: 19.15.17.10 NMAC instructions: Each string criteria requires a demonstration of compliance in the closure plan. Becommendations of acceptable source material are provident units string criteria and require administrative approxil from the approxilate district office or may be considered an exception which must be submitted office for consideration of approxil. Institute on and/or demonstrations of equivalency are required. Please (see 19.15.17.10 NMAC for guidance)							
Ground water is less than 50 feet below the bottom of the buried waste.	Ycs No						
- NM Office of the State Engineer - iWATERS database search; USGS: Data obtained from rearby wells	L]N/A						
Ground water is between 50 and 100 feet below the bottom of the buried waste	Ycs No						
- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained 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 obtained from nearby wells	□N/A						
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or playa la (measured from the ordinary high-water mark)	rkc Yes No						
- Topographic map; Visual inspection (certification) of the proposed site	}						
Within 300 feet from a penmanent residence, school, hospital, rastitution, 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 houzontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock water 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	ing						
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopt pursuant to NMSA 1978, Section 3-27-3, as amended.	ted Yes No						
 Written confirmation or ventication 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 	Yes No						
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						
 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 Ou-Site Clusure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must bee attached to by a check mark in the box, that the documents are attached.	o the closure plan. Please indicate,						
Siting Criteria Comphance 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	INMAC						
Construction/Design Plan of Temporary Pit (for in place burial of a drying pad) - based upon the appropriate requ	arements 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 Sumpling Plan - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC							
Disposal Facility Name and Pennit Number (for liquids, dritting fluids and drill cuttings or in case on-site closure standards cannot be achieved)							
Soil Cover Design - based upon the appropriate requirements of Subsection II of 19.15.17.13 NMAC							
Re-vegetation Plan - based upon the appropriate requirements of Subsection Lof 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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Operator Application Certifi	pation.			
	earton: a submitted with this application is true, acco	este and commiste to the be	Clad the lawning and hales	
Name (Print):	, larine Goodwin	Title	Regulatory Technician	
Signature.	in produce	Date:	11/1c/129	
e-mail address: // Jar	nie L.G <u>godwin@conacephillips.com</u>	Telephone:	505-326-9784	
<u> </u>				
²⁰		1		
OCD Approval: Remit	Application (including closure plan)	Closure Plan (only)	OCD Conditions (see attachment)	
OCD Representative Signatu	re:	1/_	Approval Date 5/2/7/1	6
£ 11	1.		_	_
Title: LUVIV	o Ispec .	OCD Pern	nit Number:	
21				
Closure Report (required wit	hin 60 days of closure completion): Se	bscetion IC of 19 15 17 13 NMA		
			enctivities and submitting the closure report. The closure Please do not complete this section of the form until an	
	damed and the closure activities have been c		The state of the s	
		Closura	Completion Date.	
22				
Closure Method:		,1		
Waste Excavation and Ren		Alternative Closure	Method Waste Removal (Closed-loop systems only)	
If different from approved	plan, please explana.			
23				
	Removal Closure For Closed-loop System	ns That Utilize Above Gro	und Steel Tanks or Haul-off Bins Only:	
	scility or facilities for where the liquids, driv	ling fluids and drill cutting	rs were disposed. Use machment if more than two facilities	
were utilized.				
Disposal Facility Name:		Disposal Facility	Permit Number:	
Disposal Facility Name:		Disposal Facility		
	perations and associated activities performed	_	be used for future service and operations?	
Yes (If yes, please demons	trate complitane to the items below)	∐No		
	litch will not be used for future service and o	perations:		
Site Reclamation (Photo D				
Soil Backfilling and Cover				
Re-vegetation Application	Rates and Seeding Technique			
24				
		llowing items must be attac	hed to the closure report. Please indicate, by a check mark in	
the box, that the documents ar				
· · · · · · · · · · · · · · · · · · ·	(surface owner and division)			
	equired for on-site closure)			
	osures and temporary pits)			
Confirmation Sampling	Analytical Results (if applicable)			
Waste Material Samplu	ig Analytical Results (if applicable)			
Disposal Facility Name	and Permit Number			
Soil Backfilling and Co	ver Installation			
Re-vegetation Applicati	on Rutes and Seeding Technique			
Site Reclamation (Photo	Documentation)			
On-site Closure Location	n: Latitude:	Langitude:	NAD 1927 1983	
			Lamina La	
7.0				
25 Operator Closure Certificati	บก'			
		e report is ture, accurate a	nd complete to the best of my knowledge and belief. I also certify	าลส
	enble clusure requirements and conditions s	•		
Name (Bent):		Mr.41		
Name (Print):		Title		
Signature.		Date		
e-mail address:		Telepitone:		

ConocoPhillips Company San Juan Basin

Modification for a Closed Loop Drilling/Completion and Workover

This modification is to change the type of operation from a P&A to Workover.