State of New Mexico Energy Minerals and Natural Resources

Form C-144 July 21, 2008

District II 1301 W Grand Ave, Artesia, NM 88210 District III 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

District IV 1220 S St Francis Dr , Santa Fe, NM 87505	Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.
	em, Below-Grade Tank, or d Permit or Closure Plan Application
Type of action: Permit of a pit, closed-loop	system, below-grade tank, or proposed alternative method
	system, below-grade tank, or proposed alternative method
X Modification to an existing	permit ·
Closure plan only submitted below-grade tank, or propos	for an existing permitted or non-permitted pit, closed-loop system,
	ividual pit, closed-loop system, below-grade tank or alternative request
Please be advised that approval of this request does not relieve the operator of environment. Nor does approval relieve the operator of its responsibility to com	f liability should operations result in pollution of surface water, ground water or the ply with any other applicable governmental authority's rules, regulations or ordinances
1 Operator: ConocoPhillips Company	OGRID#: 217817
Address: PO Box 4289, Farmington, NM 87499	
Facility or well name: SAN JUAN 30-5 UNIT 49N	
API Number: 30-039-30732	OCD Permit Number
U/L or Qtr/Qtr: K(NE/SW) Section: 9 Township: 30	
Center of Proposed Design: Latitude: 36.826535 °N Surface Owner: Federal State X Private	Longitude: 107.366312 °W NAD: 1927 X 1983 Tribal Trust or Indian Allotment
	The Present Median Anoment
X Pit: Subsection F or G of 19 15 17 11 NMAC	
Temporary X Drilling Workover	
Permanent Emergency Cavitation P&A	
X Lined Unlined Liner type Thickness 20	mil X LLDPE HDPE PVC Other
X String-Reinforced	
Liner Seams X Welded X Factory Other	Volume <u>7700</u> bbl Dimensions L <u>120'</u> x W <u>55'</u> x D <u>12'</u>
3 Closed-loop System: Subsection H of 19 15 17 11 NMAC Type of Operation P&A Drilling a new well Workown notice of	er or Drilling (Applies to activities which require prior approval of a permit or
Drying Pad Above Ground Steel Tanks Haul-off Bins	Other 0526272
Lined Unlined Liner type Thickness m	
Liner Seams Welded Factory Other	
4	liner, 6-inch lift and automatic overflow shut-off Other OC
Below-grade tank: Subsection I of 19 15 17 11 NMAC	
Volumebbl Type of fluid	OIL CONS. DIV. DIST. 3
Tank Construction material	
Secondary containment with leak detection Visible sidewalls, Visible sidewalls and liner Visible sidewalls only	Inner, 6-inch lift and automatic overflow shut-off Other
	VC Other
5	
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 4' hogwire fence with a single strand of barbed wire on top.			
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)			
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: 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. (Applied to permanent pits) - Visual inspection (certification) of the proposed site, Aerial photo; Satellite image	Yes No		
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 Within the area overlying a subsurface mine. Written confirmation or verification or map from the NM EMNRD - Mining and Mineral Division 	☐Yes ☐No ☐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	İ
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	i
Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19 15.17.10 NMAC	
	ļ
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	- 1
Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of	l
19.15.17 9 NMAC and 19 15.17.13 NMAC	İ
Previously Approved Design (attach copy of design) API or Permit	
12	\neg
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	ļ
Siting Criteria Compliance Demonstrations (only for on-site closure) - based upon the appropriate requirements of 19.15.17.10 NMAC	ĺ
Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC	l
Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC	- 1
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	1
Previously Approved Operating and Maintenance Plan API	İ
13 Pro 1974	İ
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	- 1
Climatological Factors Assessment	i
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	1
Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC	
Quality Control/Quality Assurance Construction and Installation Plan	ſ
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	- 1
Nuisance or Hazardous Odors, including H2S, Prevention Plan	
Emergency Response Plan	
Oil Field Waste Stream Characterization	
Monitoring and Inspection Plan	
Erosion Control Plan	1
Closure Plan - based upon the appropriate requirements of Subsection C of 19 15.17.9 NMAC and 19.15.17.13 NMAC	
14	\Box
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	
Alternative	i
Proposed Closure Method Waste Excavation and Removal	ĺ
Waste Removal (Closed-loop systems only)	
On-site Closure Method (only for temporary pits and closed-loop systems)	ľ
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	ın.
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 facilities for the disposal of liquids, drilling fluids and drill cuttings. Use attachment if more than two facilities are required.				
Disposal Facility Name Disposal Facility Permit #-				
Disposal Facility Name Disposal Facility Permit # Disposal Facility Name. Disposal Facility 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 Yes (If yes, please provide the information No				
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 G 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 string criteria requires a demonstration of compliance in the closure plan Recommendations of acceptable source material are provided below Requests regarding changes to certain string 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 - tWATERS 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 - NM Office of the State Engineer - iWATERS database search, USGS, Data obtained from nearby wells	Yes No			
Ground water is more than 100 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search, USGS, Data obtained from nearby wells	∐Yes ∐No ∏N/A			
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. - Written confirmation or verification from the municipality, Written approval obtained from the municipality	Yes No			
Within 500 feet of a wetland	Yes No			
- 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			
On-Site Closure Plan Checklist: (19 15 17 13 NMAC) Instructions: Each of the following items must bee attached to the close by a check mark in the box, that the documents are attached.	ure 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	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 of the control of the cont	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				

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Operator Application Certification: I hereby certify that the information submitted with this application is true, actually and complete to the best of my knowledge and belief
Name (Print) Marie E. Jaramillo Title Staff Regulatory, Technician
Signature Date 1 1911)
e-mail address mariele jaramillo@conocqphillips.com Telephone 505-326-9865
20
OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment)
OCD Representative Signature: Approval Date: Approval Date:
Title: OCD Permit Number:
Time. (5) Free Manuel.
21
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.
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 complitane to the items 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 (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
Oil-site closure botation Educate
25
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 San Juan Basin

Modification for a temporary pit Drilling/Completion and Workover

Extension for three months to meet closure/cover requirements in Rule 19.15.17.13.A(6)

- As required by the Surface Owner and/or Surface Managing Agency (e.g. BLM, USFS, Tribal),
 COP can not conduct construction or similar activities during Seasonal Closures and therefore can not meet the closure requirements specified in the referenced rule. Completion of the well and Closure will be scheduled and initiated as soon as the Seasonal Closure is lifted.
- <u>(Revised Closure 04/11/10)</u> needed due to Surface Owner restriction and limitation.
- Other than the revised closure date there will be no modifications to the design, operation and maintenance, or closure plans for this location.

COP realizes this does not relieve any of the requirements of Part 17.