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

July 21, 2008 For temporary pits, closed-loop sytems, and below-grade tanks, submit to the appropriate NMOCD District Office

Form C-144

For permanent pits and exceptions submit to the Santa Fe

<u>District IV</u> 1220 S St Francis Dr , Santa Fe,	Environmental Bureau office and provide a appropriate NMOCD District Office	copy to the
	Pit, Closed-Loop System, Below-Grade Tank, or	
	Proposed Alternative Method Permit or Closure Plan Application	
ებენ Type o	of action: Permit of a pit, closed-loop system, below-grade tank, or proposed alternative method	
(0)	X Closure of a pit, closed-loop system, below-grade tank, or proposed alternative method	ĺ
	Modification to an existing permit	
	Closure plan only submitted for an existing permitted or non-permitted pit, closed-loop below-grade tank, or proposed alternative method	system,
Instructions: Please su	ıbmit one application (Form C-144) per individual pit, closed-loop system, below-grade tank or alter	native request
	that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water is approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or or	
1		
'	rarmington, NM 87499  OGRID#: 14538	
Facility or well name: Sa		
API Number:	<b>30-039-25710</b> OCD Permit Number	<del></del>
U/L or Qtr/Qtr: A(NE/N		
Center of Proposed Design		1927 1983
Surface Owner: X	Federal State Private Tribal Trust or Indian Allotment	
2 Pit: Subsection For C	G of 19 15 17 11 NMAC	F
Temporary Drillin		
	gency Cavitation P&A	
Lined Unline	ned Liner type Thickness mil LLDPE HDPE PVC Other	
String-Reinforced		
Liner Seams Weld	ded Factory Other Volume. bbl Dimensions L x W	x D
3 Closed-loop System	n: Subsection H of 19.15 17 11 NMAC	
	P&A Drilling a new well Workover or Drilling (Applies to activities which require prior approval o	f a permit or
	notice of intent)	
Drying Pad X  Lined Unline	Above Ground Steel Tanks	
Liner Seams Welde		
4		
Below-grade tank:	Subsection I of 19 15 17 11 NMAC	

Liner Type	Thickness	mil	HDPE	PVC	Other			
5 Alterna	tive Method:						,	
Submittal of a	n exception request is	s required Exce	ptions must be s	ubmitted to the	Santa Fe Environr	mental Bureau o	office for consideration of approval.	

Other

Tank Construction material

Visible sidewalls and liner

Secondary containment with leak detection

bbl

Type of fluid.

Visible sidewalls only

Volume:

Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off



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, ins  Four foot height, four strands of barbed wire evenly spaced between one and four feet  Alternate Please specify	titution or chu	rch)				
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)	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 - 1WATERS 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				
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
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
13
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
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

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16 Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks	s 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 a facilities are required						
•	al Facility Permit#					
	al Facility Permit #					
Will any of the proposed closed-loop system operations and associated activities occur  Yes (If yes, please provide the information No	<del></del>					
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 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 - tWATERS database search, USGS Data obtained fro	m nearby wells	∐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 - 1WATERS database search, USGS; Data obtained from	m 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	m nearby wells	N/A				
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant water (measured from the ordinary high-water mark)	ercourse or lakebed, sinkhole, 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 existence at the time of initial application  - Visual inspection (certification) of the proposed site, Aerial photo, satellite image		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		Yes No				
pursuant to NMSA 1978, Section 3-27-3, as amended  - 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 confirantion 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 Society, Topographic map		Yes No				
Within a 100-year floodplain - FEMA map		Yes No				
18 On-Site Closure Plan Checklist: (19 15 17 13 NMAC) Instructions: Each of the	following items must bee attached to the closure	nlan. Please indicate				
by a check mark in the box, that the documents are attached.	forming memo main occ unuencu to the closure	prom a reuse museume,				
Siting Criteria Compliance Demonstrations - based upon the appropriate require	rements of 19 15 17 10 NMAC					
Proof of Surface Owner Notice - based upon the appropriate requirements of S	ubsection 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 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	of 19 15 17 13 NMAC					
Site Reclamation Plan - based upon the appropriate requirements of Subsection	n 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
OCD Approval: Permit Application (including closuroplan) Closure Plan (only) OCD Conditions (see attachment)  OCD Representative Signature:  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: 8/31/2011
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.
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 Name  Basin Disposal Facility  Disposal Facility Permit Number:  NM-01-001  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 opeartions?
Yes (If yes, please demonstrate compliance 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
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
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) CRYSTAL TAFOYA Title STAFF REGULATORY TECHNICIAN
Signature: Date: 927 2011
e-mail address crystal.tafoya@conocognillips.com Telephone (505) 326-9837