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

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.
Pit, Closed-Loop System, Belo	w-Grade Tank, or
Proposed Alternative Method Permit of	r Closure Plan Application
Type of action: X Permit of a pit, closed-loop system, bel	ow-grade tank, or proposed alternative method
Closure of a pit, closed-loop system, be	elow-grade tank, or proposed alternative method
BGT 1 Modification to an existing permit	
Closure plan only submitted for an exist below-grade tank, or proposed alternation	ting permitted or non-permitted pit, closed-loop system,
Instructions: Please submit one application (Form C-144) per individual pit,	
Please be advised that approval of this request does not relieve the operator of liability shoul environment. Nor does approval relieve the operator of its responsibility to comply with any of	
1	
Operator: ConocoPhillips Company	OGRID#: 217817
Address: PO Box 4289, Farmington, NM 87499	
Facility or well name: MOORE C 2E API Number: 3004524651 OCD Per	weight Name Land
YIII 0. 10.	rmit Number:
	nge: 12W County: San Juan tude: -108.06793°W NAD: X 1927 1983
	st or Indian Allotment
String-Reinforced	LDPE HDPE PVC Other bbl Dimensions L x W x D
Closed-loop System: Subsection H of 19.15.17.11 NMAC Type of Operation: P&A Drilling a new well Workover or Drilling notice of intent)	(Applies to activities which require prior approval of a permit or
Drying Pad Above Ground Steel Tanks Haul-off Bins Other Lined Unlined Liner type: Thickness mil LLI Liner Seams: Welded Factory Other	DPE HDPE PVD Other
X Below-grade tank: Subsection I of 19.15.17.11 NMAC	ift and automatic overflow shut-off
Usible sidewalls and liner Visible sidewalls only Other Liner Type: Thickness mil HDPE PVC X	Other Unspecified
Alternative Method:	

Form C-144

Oil Conservation Division

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

Society; Topographic map Within a 100-year floodplain

FEMA map

Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological

Written confirmation or verification or map from the NM EMNRD - Mining and Mineral Division

Yes

Yes

X No

X No

X No

Within the area overlying a subsurface mine.

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.			
X 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			
X Siting Criteria Compliance Demonstrations - 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	of		
Previously Approved Design (attach copy of design) API or Permit			
12 of Petrint			
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 a Geologic and Hydrogeologic Data (only for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of	attached. 19.15.17.9		
Siting Criteria Compliance Demonstrations (only for on-site closure) - based upon the appropriate requirements of 19.15.17.10			
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 NMAC and 19.15.17.13 NMAC	f 19.15.17.9		
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 a	an attached		
Hydrogeologic Report - based upon the requirements of Paragraph (I) of Subsection B of 19.15.17.9 NMAC	ге шиспеа.		
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 X Below-grade Tank Closed loop			
Type: Drilling Workover Emergency Cavitation P&A Permanent Pit X Below-grade Tank Closed-loop Alternative	System		
Proposed Closure Method: X Waste Excavation and Removal (Below-Grade Tank)			
Waste Removal (Closed-loop systems only)	1 7 7 7		
On-site Closure Method (only for temporary pits and closed-loop systems)	200		
In-place Burial On-site Trench			
Alternative Closure Method (Exceptions must be submitted to the Santa Fe Environmental Bureau for consi	ideration)		
15	deration)		
Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached Please indicate, by a check mark in the box, that the documents are attached.	to the closure plan.		
X Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC			
X Confirmation Sampling Plan (if applicable) - 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)	6 1		
X Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC			
X Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC			
X Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC			
	1		

16			-
Waste Removal Closure For Closed-loop Systems Th	hat Utilize Above Ground Steel Tanks or Haul-off Bins Only; (19.15.17.13.D NMAC) the disposal of liquids, drilling fluids and drill cuttings. Use attachment if more than two	facilities	
Disposal Facility Name:	Disposal Facility Permit #		
	Disposal Facility Permit #: Disposal Facility Permit #:		
	tions and associated activities occur on or in areas that will not be used for future		
Required for impacted areas which will not be used for Soil Backfill and Cover Design Specification	future service and operations: on - based upon the appropriate requirements of Subsection H of 19.15.17.13 NM.	AC	
Re-vegetation Plan - based upon the approp	oriate requirements of Subsection I of 19.15.17.13 NMAC		
Site Reclamation Plan - based upon the app	propraite requirements of Subsection G of 19.15.17.13 NMAC		
certain siting criteria may require administrative approval fro	ods only: 19.15.17.10 NMAC f compliance in the closure plan. Recommendations of acceptable source material are provided be from the appropriate district office or may be considered an exception which must be submitted to the frations of equivalency are required. Please refer to 19.15.17.10 NMAC for guidance.	low. Requests regarding chan e Santa Fe Environmental Bu.	nges to reau office
Ground water is less than 50 feet below the bottom - NM Office of the State Engineer - iWATERS date	n of the buried waste. tabase search; USGS: Data obtained from nearby wells	Yes No	
Ground water is between 50 and 100 feet below the - NM Office of the State Engineer - iWATERS data	e bottom of the buried waste abase search; USGS; Data obtained from nearby wells	Yes No	
Ground water is more than 100 feet below the botto			
	abase search; USGS; Data obtained from nearby wells	Yes No	
(measured from the ordinary high-water mark).	or 200 feet of any other significant watercourse or lakebed, sinkhole, or playa lake	Yes No	
- Topographic map; Visual inspection (certification)			
 Within 300 feet from a permanent residence, school, hos Visual inspection (certification) of the proposed site 	spital, institution, or church in existence at the time of initial application. e; Aerial photo; satellite image	Yes No	
Within 500 besides of Court of the Court of		Yes No	
purposes, or within 1000 horizontal fee of any other fresh	vater well or spring that less than five households use for domestic or stock watering the water well or spring, in existence at the time of the initial application. base; Visual inspection (certification) of the proposed site		
Within incorporated municipal boundaries or within a depursuant to NMSA 1978, Section 3-27-3, as amended.	efined municipal fresh water well field covered under a municipal ordinance adopted icipality; Written approval obtained from the municipality	Yes No	
Within 500 feet of a wetland	Topographic map; Visual inspection (certification) of the proposed site	Yes No	
Within the area overlying a subsurface mine.		Yes No	
- Written confiramtion or verification or map from th	ne NM EMNRD-Mining and Mineral Division		
Within an unstable area. - Engineering measures incorporated into the design; Topographic map	NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society;	YesNo	
Within a 100-year floodplain FEMA map		Yes No	
18 On-Site Closure Plan Checklist: (19.15.17.13 NM by a check mark in the box, that the documents are	AAC) Instructions: Each of the following items must bee attached to the closur e attached.	e plan. Please indicate,	
Siting Criteria Compliance Demonstrations -	based upon the appropriate requirements of 19.15.17.10 NMAC		
	the appropriate requirements of Subsection F of 19.15.17.13 NMAC		
	if applicable) based upon the appropriate requirements of 19.15.17.11 NMAC		
	for in place burial of a drying pad) - based upon the appropriate requirements of 19 propriate requirements of 19.15.17.13 NMAC	0.15.17.11 NMAC	
	based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC		
	the appropriate requirements of Subsection F of 19.15.17.13 NMAC		
	for liquids, drilling fluids and drill cuttings or in case on-site closure standards can	not be achieved)	
Soil Cover Design - based upon the appropria Re-vegetation Plan - based upon the appropria	ate requirements of Subsection H of 19.15.17.13 NMAC ate requirements of Subsection I of 19.15.17.13 NMAC	io oc acineved)	
Site Reciamation Plan - based upon the appro	priate requirements of Subsection G of 19.15.17.13 NMAC		

Operator Application	n Contification.				
Operator Application		this application is true, accur	rate and complete to the	best of my knowledge and belief.	
Name (Print):	Crysta	Tafoya	Title:	Regulatory Technician	
Signature:	Capta	e - / alonger		12/22/2008	
e-mail address:	crystal tafoya@	conocophillips/com/	Telephone:	505-326-9837	
20					
OCD Approval:	Permit Application (inc	luding closure plan)	Closure Plan (only)	OCD Conditions (see attachment)	
		_			
OCD Representative	Signature:	CRWhitehead	d	Approval Date: November	er 9, 2021
Title: Enviro	nmental Speciali	st	OCD Perm	it Number: BGT 1	
21					
Closure Report (requ	ired within 60 days of	closure completion): Subse	ction K of 19.15.17.13 NMAC		
Instructions: Operators of	are required to obtain an a	pproved closure plan prior to	implementing any closus	re activities and submitting the closure report. Th	ne closure
		thin 60 days of the completion losure activities have been co		Please do not complete this section of the form to	until an
approved crosure plan in	as been obtained and the t	tosure activities have been con			
			Closure	Completion Date:	
22					
Closure Method:			_	_	
Waste Excavation	n and Removal	On-site Closure Method	Alternative Closure	Method Waste Removal (Closed-loop syste	ems only)
If different from	approved plan, please exp	ain.			
23					
Closure Report Regard	ing Waste Removal Close	re For Closed-loop Systems	That Utilize Above Gro	und Steel Tanks or Haul-off Bins Only:	
Instructions: Please iden	tify the facility or facilitie	s for where the liquids, drilli	ng fluids and drill cuttin	gs were disposed. Use attachment if more than t	wo facilities
were utilized.			D: 15 W. F		
Disposal Facility Nam			Disposal Facility F		
Disposal Facility Nam			Disposal Facility F	Permit Number:	
	system operations and ass e demonstrate complilane			be used for future service and opeartions?	
		_	No		
	(Photo Documentation)	sed for future service and ope	rations:		
=	nd Cover Installation				
	plication Rates and Seeding	g Technique			
	phearton Nates and Seedin	g recinique			
24 Closure Report Att	tachment Checklist: In	structions: Each of the follow	vina items must be attack	ned to the closure report. Please indicate, by a ch	
the box, that the docu	ments are attached.	siructions. Euch of the follow	ving tiems must be attach	iea to the closure report. Please indicate, by a ch	teck mark in
Proof of Closure	Notice (surface owner	and division)			
	otice (required for on-si				
Plot Plan (for on	-site closures and tempo	rary pits)			
Confirmation Sa	mpling Analytical Resu	ts (if applicable)			
	Sampling Analytical Res				
	Name and Permit Num				
=	and Cover Installation				
	pplication Rates and Sec	ding Technique			
=	(Photo Documentation				
			I amair t		
On-site Closure	Location: Latitude:		Longitude:	NAD	983
S Clares C	4161 - 41				
Operator Closure Cer		and the state of the state of			
nereby certify that the in he closure complies with	formation and attachments	submitted with this closure re irements and conditions speci	eport is ture, accurate and	d complete to the best of my knowledge and belief.	I also certify that
ie cusure computes with	ин аррикате столите геді	rements and conditions speci	jieu in ine approved clos	ure pian.	
lame (Print):			Title:		
ignature:			Date:		200
			Date.		
-mail address:			Telephone:		

Oil Conservation Division

Page 5 of 5

Township: 32N Range: 12W Sections:

NAD27 X:

Y:

Zone:

Search Radius:

County:

Basin:

Number:

Suffix:

Owner Name: (First)

(Last)

O Non-Domestic O Domestic O All

POD / Surface Data Report

Avg Depth to Water Report

Water Column Report

Clear Form

(quarters are 1=NW 2=NE 3=SW 4=SE)

iWATERS Menu

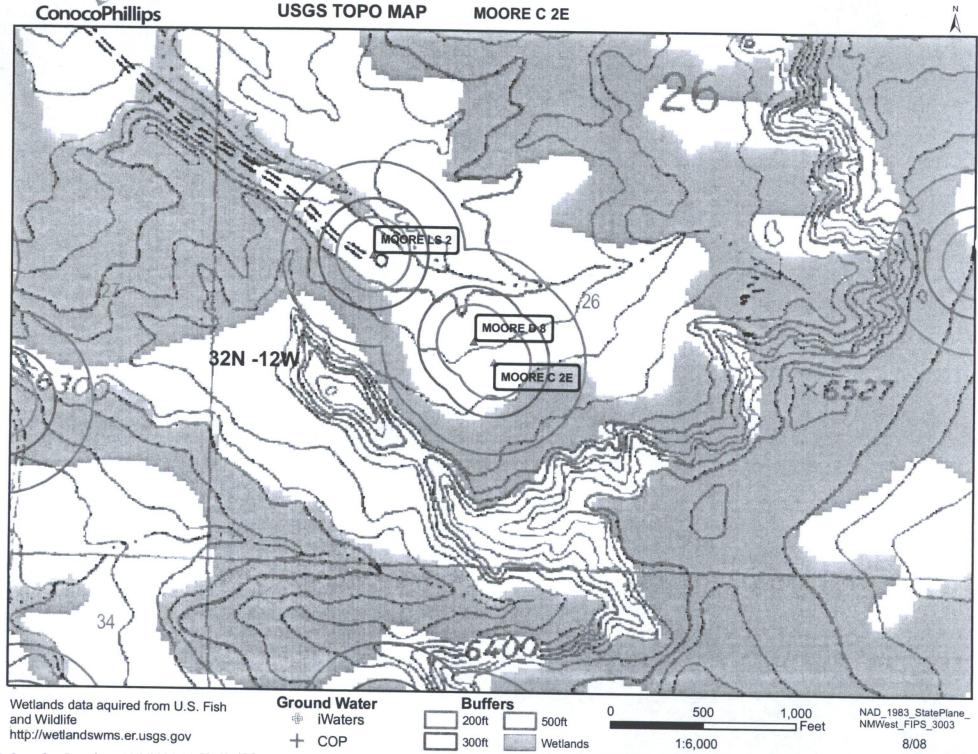
Help

WATER COLUMN REPORT 08/20/2008

(quarters are biggest to smallest) Depth Depth Water (in feet) POD Number Tws Rng Sec q q q Zone X Well Water Column 2 3 4 SJ 01213 32N 12W 18 640 20 620 SJ 01212 32N 12W 18 4 1 3 43 5 38 SJ 03583 32N 12W 23 1 1 1 167 60 107

SJ 00055 32N 12W 25 504 SJ 02110 32N 12W 28 2 1 4 391500 2170000 W 171 90 81 SJ 01106 3 4 32N 12W 35 180 115 65

Record Count: 6

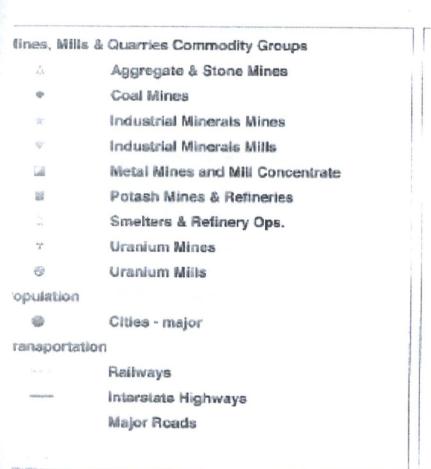


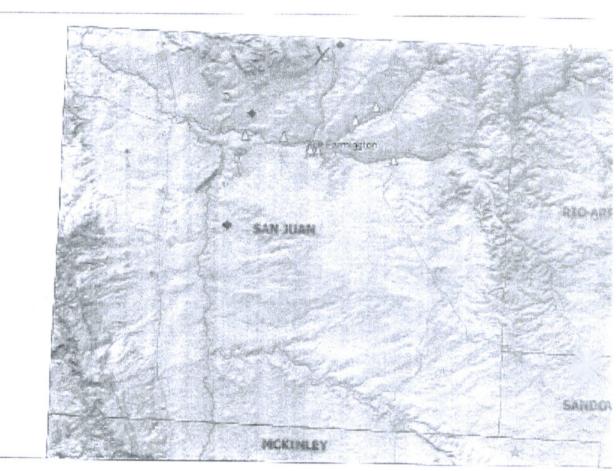
Data Source NAD_1983_SP_ NM West_FIPS_3003 500 1,000 Feet 300FT Aerial flown locally Sedgewick in 2005. 1000FT 1:6,000 8/08 Released to Imaging: 11/9/2021 11:53:48 AM

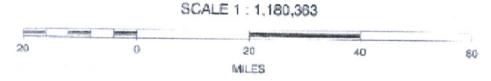
Mines, Mills and Quarries Web Map

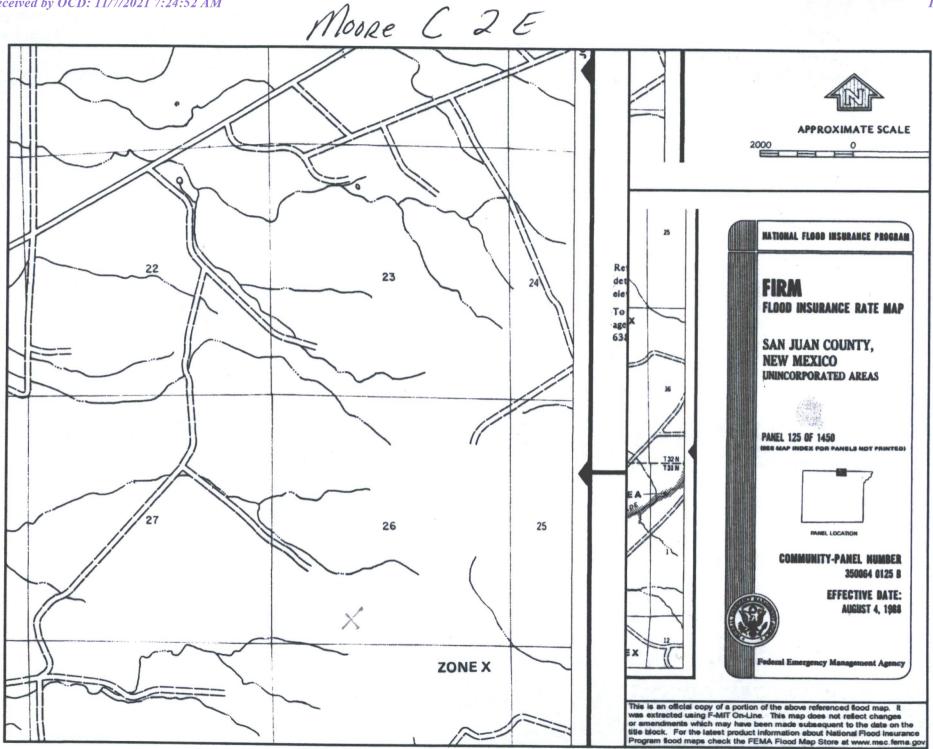
MOORE C 2E

Unit Letter: N, Section: 26, Town: 032N, Range: 012W









MOOREC2E

Site Specific Hydrogeology

A visual site inspection confirming the information contained herein was performed on the well 'MOORE C 2E', which is located at 36.9525 degrees North latitude and 108.06793 degrees West longitude. This location is located on the Abode Downs Ranch 7.5' USGS topographic quadrangle. This location is in section 26 of Township 32 North Range 12 West of the Public Land Survey System (New Mexico Principal Meridian). This location is located in San Juan County, New Mexico. The nearest town is La Plata, located 7.2 miles to the west. The nearest large town (population greater than 10,000) is Farmington, located 16.9 miles to the southwest (National Atlas). The nearest highway is State Highway 574, located 2.9 miles to the southwest. The location is on BLM land and is 1,030 feet from the edge of the parcel as notated in the BLM land status layer updated January 2008. This location is in the Middle San Juan. Arizona, Colorado, New Mexico, Sub-basin. This location is located 1930 meters or 6330 feet above sea level and receives 14 inches of rain each year. The vegetation at this location is classified as Inter-Mountain Basins Big Sagebrush Shrubland as per the Southwest Regional Gap Analysis Program.

The estimated depth to ground water at this point is 55 feet. This estimation is based on the data published on the New Mexico Engineer's iWaters Database website and water depth data from ConocoPhillips' cathodic wells. Groundwater data available from the NM State Engineer's iWaters Database for wells near the proposed site are attached. The nearest stream is 425 feet to the north and is classified by the USGS as an intermittent stream. The nearest perennial stream is named Dusenberry Glade and is 8,642 feet to the southeast. The nearest water body is 3,698 feet to the northwest. It is classified by the USGS as an intermittent lake and is 0.1 acres in size. The nearest spring is 24,959 feet to the northwest. All stream, river, water body and spring information was determined as per the USGS Hydrographic Dataset (High Resolution), downloaded 3/2008. The nearest water well is 5,781 feet to the south. There is no wetland data available for this area. The slope at this location is 3 degrees to the northwest as calculated from USGS 30M National Elevation Dataset. This information is also discerned from the aerial and topographic map included. The surface geology at this location is NACIMIENTO FORMATION--Shale and sandstone with a Shale dominated formations of all ages substrate. The soil at this location is 'Badland-Rock outcrop-Persayo complex, extremely steep' and is not hydric with severe erosion potential as taken from the NRCS SSURGO map unit, downloaded January 2008. The nearest underground mine is 1.6 miles to the northwest as indicated on the Mines, Mills and Quarries Map of New Mexico provided.

Regional Geological context:

The Nacimiento Formation is of Paleocene age (Baltz, 1967, p. 35). It crops out in a broad band inside the southern and western margins of the central basin and in a narrow band along the west face of the Nacimiento Uplift. The Nacimiento is a nonresistant unit and typically erodes to low, rounded hills or forms badland topography.

The Nacimiento Formation occurs in approximately only the southern two-thirds of the San Juan Basin where it conformably overlies and intertongues with the Ojo Alamo Sandstone (Fassett, 1974, p. 229). The Nacimiento Formation grades laterally into the main part of the Animas Formation (Fassett and Hinds, 1971, p. 34); thus, in this area, the two formations occupy the same stratigraphic interval. Strata of the Nacimiento Formation were deposited in lakebeds in the central basin area with lesser deposition in stream channels (Brimhall, 1973, p. 201). In general, the Nacimiento consists of drab, interbedded black and gray shale with discontinuous, white, medium- to very coarse grained arkosic sandstone (Stone e al., 1983, p.30). Stone et al. indicated that the formation may contain more sandstone than commonly reported because some investigators assume the slope-forming strata in the unit area shales, whereas in many places the strata actually are poorly consolidated sandstones. Total thickness of the Nacimiento Formation ranges from about 500 to 1,300 feet. The unit generally thickens from the basin margins toward the basin center (Steven et al., 1974). The sandstone deposits within the Nacimiento Formation are much thinner than the total thickness of the formation because their environment of deposition was localized stream channels (Brimhall, 1973, p. 201). The thickness of the combined San Jose, Animas, and Nacimiento Formations ranges from 500 to more than 3.500 feet.

Hydraulic Properties:

Reported well yields for 53 wells completed in either the Animas or Nacimiento Formations range from 2 to 90 gallons per minute and the median yield is 7.5 gallons per minute. The primary use of water from Nacimiento and Animas Formations is domestic and livestock supplies. There are no known aquifer tests for the Animas or Nacimiento Formations, but specific capacities reported for six wells range from 0.24 to 2.30 gallons per minute per foot of drawdown (Levings et al., 1990).

The Animas and Nacimiento Formations are in many ways hydrologically similar to the San Jose Formation because sands in both units produce approximately the same quantities of water. However, the greater percentage of fine materials in the Animas and Nacimiento Formations may restrict downward vertical leakage to the Ojo Alamo Sandstone or Kirtland Shale. The poorly cemented fine material is highly erodible, forms a badland terrain, and supports only spotty vegetation. These conditions are more conductive to runoff than retention of precipitation.

References:

Baltz, E.H., 1967, Stratigraphy and regional tectonic implications of part of Upper Cretaceous rocks, east-central San Juan Basin, New Mexico: USGS Professional Paper 552, 101 p.

Brimhall, R.M., 1973, Ground-water hydrology of Tertiary rocks of the San Juan Basin, New Mexico, in Fassett, J.E., ed., Cretaceous and Tertiary rocks of the Southern Colorado Plateau: Four Corners Geological Society Memoir. p. 197-207.

Fassett, J.E., 1974, Cretaceous and Tertiary rocks of the eastern San Juan Basin, New Mexico and Colorado, in Guidebook of Ghost Ranch, central-northern New Mexico: New Mexico Geological Society, 25th Field Conference, p. 225-230.

Fassett, J.E., and Hinds, J.S., 1971, Geology and fuel resources of the Fruitland Formation and Kirtland Shale of the San Juan Basin, New Mexico and Colorado: USGS Professional Paper 676, 76 p. Levings, G.W., Craigg, S.d., Dam, W.L., Kernodle, J.M., and Thorn, C.R., 1990, Hydrogeology of the San Jose, Nacimiento, and Animas Formations in the San Juan structural basin, New Mexico, Colorado, Arizona, and Utah: USGS Hydrologic Investigations Atlas HA-720-A, 2 sheets.

Stone, W.J., Lyford, F.P., Frenzel, P.F., Mizell, N.H., and Padgett, E.T., 1983, Hydrogeology and water resources of San Juan Basin, New Mexico: New Mexico Bureau of Mines and Mineral Resources, Hydrologic Report 6.

MOORE COM 1

Site Specific Hydrogeology

A visual site inspection confirming the information contained herein was performed on the well 'MOORE COM 1', which is located at 36.959647 degrees North latitude and 108.04966 degrees West longitude. This location is located on the Abode Downs Ranch 7.5' USGS topographic quadrangle. This location is in section 25 of Township 32 North Range 12 West of the Public Land Survey System (New Mexico Principal Meridian). This location is located in San Juan County, New Mexico. The nearest town is La Plata, located 8.3 miles to the west. The nearest large town (population greater than 10,000) is Farmington, located 17.8 miles to the southwest (National Atlas). The nearest highway is State Highway 574, located 3.9 miles to the southwest. The location is on BLM land and is 1,537 feet from the edge of the parcel as notated in the BLM land status layer updated January 2008. This location is in the Middle San Juan. Arizona, Colorado, New Mexico, Sub-basin. This location is located 1987 meters or 6517 feet above sea level and receives 14.5 inches of rain each year. The vegetation at this location is classified as Colorado Plateau Pinon-Juniper Woodland as per the Southwest Regional Gap Analysis Program.

The estimated depth to ground water at this point is 75 feet. This estimation is based on the data published on the New Mexico Engineer's iWaters Database website and water depth data from ConocoPhillips' cathodic wells. Groundwater data available from the NM State Engineer's iWaters Database for wells near the proposed site are attached. The nearest stream is 137 feet to the south and is classified by the USGS as an intermittent stream. The nearest perennial stream is 8,039 feet to the northwest. The nearest water body is 3,456 feet to the northeast. It is classified by the USGS as a perennial lake and is 0.2 acres in size. The nearest spring is 24,062 feet to the southeast. All stream, river, water body and spring information was determined as per the USGS Hydrographic Dataset (High Resolution), downloaded 3/2008. The nearest water well is 1,218 feet to the northwest. There is no wetland data available for this area. The slope at this location is 4 degrees to the southeast as calculated from USGS 30M National Elevation Dataset. This information is also discerned from the aerial and topographic map included. The surface geology at this location is SAN JOSE FORMATION--Siltstone, shale, and sandstone with a Sandstone dominated formations of all ages substrate. The soil at this location is 'Atrac-Florita-Travessilla association, hilly' and is well drained and not hydric with severe erosion potential as taken from the NRCS SSURGO map unit, downloaded January 2008. The nearest underground mine is 2.1 miles to the northwest as indicated on the Mines, Mills and Quarries Map of New Mexico provided.

Regional Hydrogeological context:

The San Jose Formation of Eocene age occurs in New Mexico and Colorado, and its outcrop forms the land surface over much of the eastern half of the central basin. It overlies the Nacimiento Formation in the area generally south of the Colorado-New Mexico State line and overlies the Animas Formation in the area generally north of the State line. The San Jose Formation was deposited in various fluvial-type environments. In general, the unit consists of an interbedded sequence of sandstone, siltstone, and variegated shale. Thickness of the San Jose Formation generally increases from west to east (200 feet in the west and south to almost 2,700 feet in the center of the structural basin). Ground water is associated with alluvial and fluvial sandstone aquifers. Thus, the occurrence of ground water is mainly controlled by the distribution of sandstone in the formation. The distribution of such sandstone is the result of original depositional extent plus any post-depositional modifications, namely erosion and structural deformation. Transmissivity data for San Jose Formation are minimal. Values of 40 and 120 feet squared per day were determined from two aquifer tests (Stone et al, 1983, table 5). The reported or measured discharge from 46 water wells completed in San Jose Formation ranges from 0.15 to 61 gallons per minute and the median is 5 gallons per minute. Most of the wells provide water for livestock and domestic use. The San Jose Formation is a very suitable unit for recharge from precipitation because soils that form on the unit are sandy and highly permeable and therefore readily adsorb precipitation. However, low annual precipitation, relatively high transpiration and evaporation rates, and deep dissection of the San Jose Formation by the San Juan River and its tributaries all tend to reduce the effective recharge to the unit.

Stone et al., 1983, Hydrogeology and Water Resources of the San Juan Basin, New Mexico: Socorro, New Mexico Bureau of Mines and Mineral Resources Hydrologic Report 6, 70 p.

ConocoPhillips Company San Juan Basin Below Grade Tank Design and Construction

In accordance with NMAC 19.15.17 the following information describes the design and construction of below grade tanks on ConocoPhillips Company (COPC) locations. This is COPC's standard procedure for all below grade tanks (BGT). A separate plan will be submitted for any BGT which does not conform to this plan.

General Plan:

- COPC will design and construct a properly sized and approved BGT which will contain liquids and should prevent contamination of fresh water to protect the public health and environment.
- COPC signage will comply with 19.15.3.103 NMAC when COPC is the operator. If COPC is not the operator it will comply with 19.15.17.11NMAC. COPC includes Emergency Contact information on all signage.
- 3. COPC has approval to use alternative fencing that provides better protection. COPC constructs fencing around the BGT using 4 foot hog wire fencing topped with two strands of barbed wire, or with a pipe top rail. A six foot chain link fence topped with three strands of barbed wire will be use if the well location is within 1000 feet of permanent residence, school, hospital, institution or church. COPC ensures that all gates associated with the fence are closed and locked when responsible personnel are not onsite.
- COPC will construct a screened, expanded metal covering, on the top of the BGT.
- 5. COPC shall ensure that a below-grade tank is constructed of materials resistant to the below-grade tank's particular contents and resistant to damage from sunlight as shown on design drawing and specification sheet.
- The COPC below-grade tank system shall have a properly constructed foundation consisting of a level base free of rocks, debris, sharp edges or irregularities to prevent punctures, cracks or indentations of the liner or tank bottom as shown on design drawing.
- 7. COPC shall operate and install the below-grade tank to prevent the collection of surface water run-on. COPC has built in shut off devices that do not allow a below-grade tank to overflow. COPC constructs berms and corrugated retaining walls at least 6" above ground to keep from surface water run-on entering the below grade tank as shown on the design plan.
- 8. COPC will construct and use a below-grade tank that does not have double walls. The below-grade tank's side walls will be open for visual inspection for leaks, the below-grade tank's bottom is elevated a minimum of six inches above the underlying ground surface and the below-grade tank is underlain with a geomembrane liner to divert leaked liquid to a location that can be visually inspected.

- 9. COPC has equipped the below-grade tanks with the ability to detect high level in the tank and provide alarm notification and shutdown process streams into the tank. Once high level is detected RTU logic closes the inlet separator sales valve and does not permit vent valve to open. This shutdown of the sales valve and gagging of the vent valves prevents any hydrocarbon process streams from entering the pit tank once a high level is detected. Furthermore, an electronic page is sent to the COPC MSO for that well site and to the designated contract "Water-Hauling" Company indicating a high level and that action must be taken to address this alarm. The environmental drain line from COPC's compressor skid under normal operating conditions is in the open position. The environmental drain line is in place to capture any collected rain water or spilled lubricants from our compressor skids. The swab drain line is a manually operated drain and by normal operating procedures is in the closed position. The tank drain line is also a manually operated drain and during normal operations it is in the closed position.
- 10. The geomembrane liner consists of a 45-mil flexible LLDPE material manufactured by Raven Industries as J45BB. This product is a four layer reinforced laminated containing no adhesives. The outer layers consist of a high strength polyethylene film manufactured using virgin grade resins and stabilizers for UV resistance in exposed applications. The J45BB is reinforced with 1300 denier (minimum) tri-directional scrim reinforcement. It exceeds ASTMD3083 standard by 10%. J45BB has a warranty for 20 years from Raven Industries and is attached. It is typically used in Brine Pond, Oilfield Pit liner and other industrial applications. The manufacture specific sheet is attached and the design attached displays the proper installation of the liner.
- The general specification for design and construction are attached in the COPC document.

MANUAL OPERATION 1) PRODUCTION TANKS DRAINLINE 2) SWABLINE DRAIN LINE 3) ENVIROMENTAL DRAIN LINE FROM COMPRESSOR SKID DRAIN FROM **SEPARATORS** AUTOMATED OPERATION 1) VENT VALVE DRAIN LINE SWABLINE 2) DUMP LINE FROM SEPARATORS 3) AUTOMATIC SHUT OFF LSHH ACTIVATES AT 10' FROM TOP OF TANK VENT LINE ENVIROMENTAL DRAIN LINE 3" TRUCK LOADOUT CONNECTION SLOPE TO DRAIN . TO RTU + TRUCK GROUND CONNECTION LAHH TO RTU = LAH EXPANDED METAL COVER DRAIN LINES LSHH FROM TANKS LI HINGED MANWAY 3" TRUCK LUAD LINE PRIGINAL GRADE CORROGATED RETAINING WALL 4" SLOTTED. HEIGHT 56" 'SUPER MUFFLER' SA-36 3/16" PLATE SA-36 1/4" PLATE DURASKRIM J45 **IMPERMEABLE** و LINER FOR VISIBLE LEAK DETECTION PROPERLY CONSTRUCTED FOUNDATION VOID OF ANY SHARP DBJECTS

ConocoPhillips

San Juan Business Unit

PRODUCED WATER PIT TANK OPEN TOP GRAVITY FLOW TANK INTERNALLY COATED WITH 12-14 MILS AMERON AMERCOAT 385

DURA-SKRIM®

130, 136 a 145

PROPERTIES	TEST METHOD	<u> </u>	30B B	J3	6B B	J4	58 8
		Min. Roll Averages	Typical Roll Averages	Min. Roll Averages	Typical Roll Averages	Min. Roll Averages	Typical Roll Averages
Appearance		Bla	ck/Black	Blac	k/Black	Black	k/Black
Thickness	ASTM D 5199	27 mil	30 mil	32 mil	36 mil	40 mil	45 mil
Weight Lbs Per MSF (oz/yd²)	ASTM D 5261	126 lbs (18.14)	140 lbs (20.16)	151 lbs (21.74)	168 lbs (24.19)	189 lbs (27.21)	210 lbs (30.24)
Construction		**Ext	rusion laminated				, , , ,
Ply Adhesion	ASTM D 413	16 lbs	20 lbs	19 lbs	24 lbs	25 lbs	31 lbs
1" Tensile Strength	ASTM D 7003	88 lbf MD 63 lbf DD	110 lbf MD 79 lbf DD	90 lbf MD 70 lbf DD	113 lbf MD 87 lbf DD	110 lbf MD 84 lbf DD	138 lbf MD 105 lbf DD
1" Tensile Elongation @ Break % (Film Break)	ASTM D 7003	550 MD 550 DD	750 MD 750 DD	550 MD 550 DD	750 MD 750 DD	550 MD 550 DD	750 MD 750 DD
1" Tensile Elongation @ Peak % (Scrim Break)	ASTM D 7003	20 MD 20 DD	33 MD 33 DD	20 MD 20 DD	30 MD 31DD	20 MD 20 DD	36 MD 36 DD
Tongue Tear Strength	ASTM D 5884	75 lbf MD 75 lbf DD	97 lbf MD 90 lbf DD	75 lbf MD 75 lbf DD	104 lbf MD 92 lbf DD	100 lbf MD 100 lbf DD	117 lbf MD 118 lbf DD
Grab Tensile	ASTM D 7004	180 lbf MD 180 lbf DD	218 lbf MD 210 lbf DD	180 lbf MD 180 lbf DD	222 lbf MD 223 lbf DD	220 lbf MD 220 lbf DD	257 lbf MD 258 lbf DD
Trapezoid Tear	ASTM D 4533	120 lbf MD 120 lbf DD	146 lbf MD 141 lbf DD	130 lbf MD 130 lbf DD	189 lbf MD 172 lbf DD	160 lbf MD 160 lbf DD	193 lbf MD 191 lbf DD
* Dimensional Stability	ASTM D 1204	<1	<0.5	<1	<0.5	<1	<0.5
Puncture Resistance	ASTM D 4833	50 lbf	64 lbf	65 lbf	83 lbf	80 lbf	99 lbf
Maximum Use Temperature		180° F	180° F	180° F	180° F		
Minimum Use Temperature		-70° F	-70° F	-70° F	-70° F	180° F	180° F

MD = Machine Direction DD = Diagonal Directions



Note: Minimum Roll Averages are set to take into account product variability in addition to testing variability between laboratories.

*Dimensional Stability Maximum Value

**DURA-SKRIM J30BB, J36BB & J45BB are a four layer reinforced laminate containing no adhesives. The outer layers consist of a high strength polyethylene film manufactured using virgin grade resins and stabilizers for UV resistance in exposed applications. DURA-SKRIM J30BB, J36BB & J45BB are reinforced with a 1300 denier (minimum) tri-directional scrim reinforcement.

Note: RAVEN INDUSTRIES MAKES NO WARRANTIES AS TO THE FITNESS FOR A SPECIFIC USE OR MERCHANTABILITY OF PRODUCTS REFERRED TO, no guarantee of satisfactory results from reliance upon contained information or recommendations and disclaims all liability for resulting loss or damage.

PLANT LOCATION

Sioux Falls, South Dakota

SALES OFFICE

P.O. Box 5107 Sioux Falls, SD 57117-5107 (605) 335-0174 (605) 331-0333 FAX **800-635-3456**

08/06

RAVEN

RAVEN INDUSTRIES INC. EXPOSED GEOMEMBRANE LIMITED WARRANTY

Raven Industries Inc. warrants Dura-Skrim J30BB, J36BB, and J45BB to be free from manufacturing defects and to be able to withstand normal exposure to sunlight for a period of 20 years from the date of sale for normal use in approved applications in the U.S and Canada, excluding Hawaii. This warranty is effective for products sold and shipped from January 1, 2008 to December 31, 2008. These dates will be updated prior to December 31, 2008.

This Limited Warranty does not include damages or defects in the Raven geomembrane resulting from acts of God, casualty or catastrophe including but not limited to: earthquakes, floods, piercing hail, or tornadoes. The term "normal use" as used herein does not include, among other things improper handling during transportation, unloading, storage or installation, the exposure of Raven geomembranes to harmful chemicals, atypical atmospheric conditions, abuse of Raven geomembranes by machinery, equipment or people; improper site preparation or covering materials, excessive pressures or stresses from any source or improper application or installation. Raven geomembrane material warranty is intended for commercial use only and is not in effect for the consumer as defined in the Magnuson Moss Warranty or any similar federal, state, or local statues. The parties expressly agree that the sale hereunder is for commercial or industrial use only.

Should defects or premature loss of use within the scope of the above Limited Warranty occur, Raven Industries Inc. will, at its option, repair or replace the Raven geomembrane on a pro-rata basis at the then current price in such manner as to charge the Purchaser/User only for that portion of the warranted life which has elapsed since purchase of the material. Raven Industries Inc. will have the right to inspect and determine the cause of any alleged defect in the Raven geomembrane and to take appropriate steps to repair or replace the Raven geomembrane if a defect exists which is covered under this warranty. This Limited Warranty extends only to Raven's geomembrane, and does not extend to the installation service of third parties nor does it extend to materials furnished or installed by others in connection with the intended use of the Raven geomembranes.

Any claim for any alleged breach of this warranty must be made in writing, by certified mail, to the General Manager of Engineered Films Division of Raven Industries Inc. within ten (10) days of becoming aware of the alleged defect. Should the required notice not be given, the defect and all warranties are waived by the Purchaser, and Purchaser shall not have any rights under this warranty. Raven Industries Inc. shall not be obligated to perform repairs or replacements under this warranty unless and until the area to be repaired or replaced is clean, dry, and unencumbered. This includes, but is not limited to, the area made available for repair and/or replacement of Raven geomembrane to be free from all water, dirt, sludge, residuals and liquids of any kind. If after inspection it is determined that there is no claim under this Limited Warranty, Purchaser shall reimburse Raven Industries Inc. for its costs associated with the site inspection.

In the event the exclusive remedy provided herein fails in its essential purpose, and in that event only, the Purchaser shall be entitled to a return of the purchase price for so much of the material as Raven Industries Inc. determines to have violated the warranty provided herein. Raven Industries Inc. shall not be liable for direct, indirect, special, consequential or incidental damages resulting from a breach of this warranty including, but not limited to, damages for loss of production, lost profits, personal injury or property damage. Raven Industries Inc. shall not be obligated to reimburse Purchaser for any repairs, replacement, modifications or alterations made by Purchaser unless Raven Industries Inc. specifically authorized, in writing, said repairs, replacements, modifications or alteration in advance of them having been made. Raven Industry's liability under this warranty shall in no event exceed the replacement cost of the material sold to the Purchaser for the particular installation in which it failed.

Raven Industries Inc. neither assumes nor authorizes any person other than the undersigned of Raven Industries Inc. to assume for it any other or additional liability in connection with the Raven geomembrane made on the basis of the Limited Warranty. The Limited Warranty on the Raven geomembrane herein is given in lieu of all other possible material warranties, either expressed or implied, and by accepting delivery of the material; Purchaser waives all other possible warranties, except those specifically given. This Limited Warranty may only be modified by written document mutually executed by Owner and Raven Industries Inc.

Limited Warranty is extended to the purchaser/owner and is non-transferable and non-assignable; i.e., there are no third-party beneficiaries to this warranty.

Purchaser acknowledges by acceptance that the Limited Warranty given herein is accepted in preference to any and other possible materials warranties.

THIS LIMITED WARRANTY SHALL BE GOVERNED BY SOUTH DAKOTA LAW AND VENUE FOR ALL LEGAL PROCEEDINGS IN CONNECTION WITH THIS LIMITED WARRANTY SHALL BE IN MINNEHAHA COUNTY, SOUTH DAKOTA. RAVEN INDUSTRIES INC. MAKES NO WARRANTY OF ANY KIND OTHER THAN THAT GIVEN ABOVE AND HEREBY DISCLAIMS ALL WARRANTIES, BOTH EXPRESSED OR IMPLIED, OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THIS IS THE ONLY WARRANTY THAT APPLIES TO THE MATERIALS REFERRED TO HEREIN AND RAVEN INDUSTRIES INC. DISCLAIMS ANY LIABILITY FOR ANY WARRANTIES GIVEN BY ANY OTHER PERSON OR ENTITY, EITHER WRITTEN OR ORAL.

RAVEN INDUSTRIES' WARRANTY BECOMES AN OBLIGATION OF RAVEN INDUSTRIES INC. TO PERFORM UNDER THE WARRANTY ONLY UPON RECEIPT OF FINAL PAYMENT AND EXECUTION BY A DULY AUTHORIZED OFFICER OF RAVEN INDUSTRIES INC.

ConocoPhillips Company San Juan Basin Below Grade Tank Maintenance and Operating Plan

In accordance with Rule 19.15.17 the following information describes the operation and maintenance of Below Grade Tank (BGT) on ConocoPhillips Company (COPC) locations. This is COPC's standard procedure for all BGT. A separate plan will be submitted for any BGT which does not conform to this plan.

General Plan:

- COPC will operate and maintain a BGT to contain liquids and solids and maintain
 the integrity of the liner, liner system and secondary containment system to
 prevent contamination of fresh water and protect public health and environment.
 COPC will accomplish this by performing an inspection on a monthly basis,
 installing cathodic protection, and automatic overflow shutoff devices as seen on
 the design plan.
- 2. COPC will not discharge into or store any hazardous waste in the BGT.
- 3. COPC shall operate and install the below-grade tank to prevent the collection of surface water run-on. COPC has built in shut off devices that do not allow a below-grade tank to overflow. COPC constructs berms and corrugated retaining walls at least 6" above ground to keep from surface water run-on entering the below grade tank as shown on the design plan.
- 4. As per 19.17.15.12 Subsection D, Paragraph 3, COPC will inspect the below-grade tank at least monthly reviewing several items which include 1) containment berms adequate and no oil present, 2) tanks had no visible leaks or sign of corrosion, 3) tank valves, flanges, and hatches had no visible leaks and 4) no evidence of significant spillage of produced liquids. In addition, COPC's multiskilled operators (MSOs) are required to visit each well location once per week. If detected on either inspection, COPC shall remove any visible or measurable layer of oil from the fluid surface of a below-grade tank in an effort to prevent significant accumulation of oil overtime. The written record of the monthly inspections will include the items listed above and will be maintained for five years.
- 5. COPC shall require and maintain a 10" adequate freeboard to prevent overtopping of the below-grade tank.
- 6. If the below grade tank develops a leak, or if any penetration of the pit liner or below grade tank, occurs below the liquid's surface, then COPC shall remove all liquid above the damage or leak line within 48 hours. COPC shall notify the appropriate district office. COPC shall repair or replace the pit liner or below grade tank, within 48 hours of discovery. If the below grade tank or pit liner does not demonstrate integrity, COPC shall promptly remove and install a below grade tank or pit liner that complies with Subsection I of 19.15.17.11 NMAC. COPC shall notify the appropriate district office of a discovery of leaks less than 25 barrels as required pursuant to Subsection B of 19.15.3.116 NMAC shall be reported within twenty-four (24) hours of discovery of leaks greater than 25 barrels. In addition, immediate verbal notification pursuant to Subsection B, Paragraph (1), and Subparagraph (d) of 19.15.3.116 NMAC shall be reported to the division's Environmental Bureau Chief.

ConocoPhillips Company San Juan Basin Below Grade Tank Closure Plan

In accordance with Rule 19.15.17.13 NMAC the following information describes the closure requirements of Below Grade Tanks (BGTs) on ConocoPhillips Company locations hereinafter known as COPC locations. This is COPC's standard procedure for all BGTs. A separate plan will be submitted for any BGT which does not conform to this plan.

General Requirements:

- 1. COPC shall close a below-grade tank within the time periods provided in Subsection A of 19.15.17.13 NMAC. This will include a) below-grade tanks that do not meet the requirements of Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC or is not included in Paragraph (5) of Subsection I o f19.15.17.11 NMAC within five years, if not retrofitted to comply with Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC; b) permitted below-grade tanks within 60 days of cessation of the below-grade tank's operation., or c) an earlier date that the division requires because of imminent danger to fresh water, public health or the environment. For any closure, COPC will file the C144 Closure Report as required.
- 2. COPC shall remove liquids and sludge from a below-grade tank prior to implementing a closure method and shall dispose of the liquids and sludge in a division-approved facility. The facilities to be used will be Basin Disposal (Permit #NM-01-005) and Envirotech Land Farm (Permit #NM-01-011). The liner after being cleaned well (Subsection D, Paragraph 1, Subparagraph (m) of 19.15.9.712 NMAC) will be disposed of at the San Juan County Regional Landfill located on CR 3100.
- 3. COPC will receive prior approval to remove the below-grade tank and dispose of it in a division-approved facility or recycle, reuse, or reclaim it in a manner that the appropriate division district office approves. Documentation of how the below-grade tank was disposed of or recycled will be provided in the closure report.
- If there is any on-site equipment associated with a below-grade tank, then COPC shall remove the equipment, unless the equipment is required for some other purpose.
- 5. COPC shall test the soils beneath the below-grade tank to determine whether a release has occurred. COPC shall collect, at a minimum, a five point, composite sample; collect individual grab samples from any area that is wet, discolored or showing other evidence of a release; and analyze for BTEX, TPH and chlorides to demonstrate that the benzene concentration, as determined by EPA SW-846 methods 8021B or 8260B or other EPA method that the division approves, does not exceed 0.2 mg/kg; total BTEX concentration, as determined by EPA SW-846 methods 8021B or 8260B or other EPA method that the division approves, does not exceed 50 mg/kg; the TPH concentration, as determined by EPA method 418.1 or other EPA method that the division approves, does not exceed 100 mg/kg; and the chloride concentration, as determined by EPA method 300.1 or other EPA method that the division approves, does not exceed 250 mg/kg, or the background concentration, whichever is greater. COPC shall notify the division of its results on form C-141.

- 6. If COPC or the division determines that a release has occurred, then COPC shall comply with 19.15.3.116 NMAC and 19.15.1.19 NMAC, as appropriate.
- 7. If the sampling program demonstrates that a release has not occurred or that any release does not exceed the concentrations specified in Paragraph (4) of Subsection E of 19.15.17.13 NMAC, then COPC shall backfill the excavation with compacted, non-waste containing, earthen material; construct a division-prescribed soil cover; recontour and re-vegetate the site.
- 8. Notice of Closure will be given prior to closure to the Aztec Division office between 72 hours and one week via email or verbally. The notification of closure will include the following:
 - i. Operator's name
 - ii. Location by Unit Letter, Section, Township, and Range. Well name and API number.
- The surface owner shall be notified of COPC's closing of the below-grade tank prior to closure as per the approved closure plan via certified mail, return receipt requested.
- 10. Re-contouring of location will match fit, shape, line, form and texture of the surrounding. Re-shaping will include drainage control, prevent ponding, and prevent erosion. Natural drainages will be unimpeded and water bars and/or silt traps will be place in areas where needed to prevent erosion on a large scale. Final re-contour shall have a uniform appearance with smooth surface, fitting the natural landscape.
- 11. COPC shall seed the disturbed areas the first growing season after the operator closes the pit. Seeding will be accomplished via drilling on the contour whenever practical or by other division-approved methods. BLM stipulated seed mixes will used on federally jurisdicted lands and division-approved seed mixtures (administratively approved if required) will be utilized on all State or private lands. Vegetative cover will equal 70% of the native perennial vegetative cover (unimpacted) consisting of at least three native plant species, including at least one grass, but not including noxious weeds, and maintain that cover through two successive growing seasons. If alternate seed mix is required by the state, private owner or tribe, it will be implemented with administrative approval if needed. COPC will repeat seeding or planting will be continued until successful vegetative growth occurs.
- 12. A minimum of four feet of cover shall be achieved and the cover shall include one foot of suitable material to establish vegetation at the site, or the background thickness of topsoil, whichever is greater.
- 13. All closure activities will include proper documentation and be available for review upon request and will be submitted to OCD within 60 days of closure of the belowgrade tank. Closure report will be filed on C-144 and incorporate the following:
 - Soil Backfilling and Cover Installation
 - Re-vegetation application rates and seeding techniques
 - Photo documentation of the site reclamation
 - Confirmation Sampling Results
 - Proof of closure notice

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410

Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. **Santa Fe, NM 87505**

QUESTIONS

Action 60587

QUESTIONS

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	60587
	Action Type:
	[C-144] Legacy Below Grade Tank Plan (C-144LB)

QUESTIONS

Facility and Ground Water		
Please answer as many of these questions as possible in this group. More information will help us identify the appropriate associations in the system.		
Facility or Site Name	Moore C 2E	
Facility ID (f#), if known	Not answered.	
Facility Type	Below Grade Tank - (BGT)	
Well Name, include well number	Moore C 2E	
Well API, if associated with a well	3004524651	
Pit / Tank Type	Not answered.	
Pit / Tank Name or Identifier	BGT 1	
Pit / Tank Opened Date, if known	Not answered.	
Pit / Tank Dimensions, Length (ft)	Not answered.	
Pit / Tank Dimensions, Width or Diameter (ft)	Not answered.	
Pit / Tank Dimensions, Depth (ft)	Not answered.	
Ground Water Depth (ft)	55	
Ground Water Impact	Not answered.	
Ground Water Quality (TDS)	Not answered.	

Below-Grade Tank			
Subsection I of 19.15.17.11 NMAC			
Volume / Capacity (bbls)	120		
Type of Fluid	Produced Water		
Pit / Tank Construction Material	Steel		
Secondary containment with leak detection	Not answered.		
Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off	True		
Visible sidewalls and liner	Not answered.		
Visible sidewalls only	Not answered.		
Tank installed prior to June 18. 2008	Not answered.		
Other, Visible Notation. Please specify	Not answered.		
Liner Thickness (mil)	Not answered.		
HDPE (Liner Type)	Not answered.		
PVC (Liner Type)	Not answered.		
Other, Liner Type. Please specify (Variance Required)	Not answered.		

Fencing	
Subsection D of 19.15.17.11 NMAC (Applies to permanent pits, 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)	Not answered.
Four foot height, four strands of barbed wire evenly spaced between one and four feet	Not answered.
Alternate, Fencing. Please specify (Variance Required)	4' hogwire

Netting	
Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks)	
Screen	True
Netting	Not answered.
Other, Netting. Please specify (Variance May Be Needed)	Not answered.

Signs

Subsection C of 19.15.17.11 NMAC (If there are multiple operators at a site, each operator must have their own sign in compliance with Subsection C of 19.15.17.11 NMAC.)

12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers	Not answered.
Signed in compliance with 19.15.16.8 NMAC	True

Variances and Exceptions	
Justifications and/or demonstrations ofequivalency 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:	
Variance(s): Requests must be submitted to the appropriate division district for consideration of approval.	True
Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval	Not answered.

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. Siting criteria does not apply to drying pads or above-grade tanks.

g Criteria, General Siting		
Ground water is less than 25 feet below the bottom of a low chloride temporary pit or below-grade tank	No	
NM Office of the State Engineer - iWATERS database search	True	
USGS	Not answered.	
Data obtained from nearby wells	Not answered.	

Siting Criteria, Below Grade Tanks		
Within 100 feet of a continuously flowing watercourse, significant watercourse, lakebed, sinkhole, wetland or playa lake (measured from the ordinary high-water mark)	No	
Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption	No	

Proposed Closure Method	sed Closure Method		
Below-grade Tank	Below Grade Tank - (BGT)		
Waste Excavation and Removal	True		
Alternate Closure Method. Please specify (Variance Required)	Not answered.		

Operator Application Certification	
Registered / Signature Date	12/22/2008

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State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. **Santa Fe, NM 87505**

ACKNOWLEDGMENTS

Action 60587

ACKNOWLEDGMENTS

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	60587
	Action Type:
	[C-144] Legacy Below Grade Tank Plan (C-144LB)

ACKNOWLEDGMENTS

√	I acknowledge that I have received prior approval from the OCD to submit documentation of a legacy below-grade tank on behalf of my operator.	
I hereby certify that the information submitted with this documentation is true, accurate and complete to the best of my knowledge and belief.		

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CONDITIONS

Action 60587

CONDITIONS

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
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	Action Type:
	[C-144] Legacy Below Grade Tank Plan (C-144LB)

CONDITIONS

Created By	Condition	Condition Date
cwhitehead	None	11/9/2021