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

District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

Liner Type:

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 Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

Pit, Closed-Loop System, Below-Grade Tank, or
Proposed Alternative Method Permit or Closure Plan Application
Type of action:  X Permit of a pit, closed-loop system, below-grade tank, or proposed alternative method  Closure of a pit, closed-loop system, below-grade tank, or proposed alternative method
BGT 1 Modification to an existing permit  Closure plan only submitted for an existing permitted or non-permitted pit, closed-loop system, below-grade tank, or proposed alternative method
Instructions: Please submit one application (Form C-144) per individual pit, closed-loop system, below-grade tank or alternative request  Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.
Operator: ConocoPhillips Company  Address: PO Box 4289, Farmington, NM 87499  OGRID#: 217817
Facility or well name: MICHENER 2E
ADI N
LI/I or Oh/Ohr D. C. i. and T. ii.
U/L or Qtr/Qtr: B Section: 33 Township: 28N Range: 9W County: San Juan  Center of Proposed Design: Latitude: 36.623458°N Longitude: -107.79002°W NAD: X 1927 1983  Surface Owner: X Federal State Private Tribal Trust or Indian Allotment
Pit: Subsection F or G of 19.15.17.11 NMAC  Temporary: Drilling Workover  Permanent Emergency Cavitation P&A  Lined Unlined Liner type: Thickness mil LLDPE HDPE PVC Other  String-Reinforced  Liner Seams: Welded Factory Other Volume: 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 (Applies to activities which require prior approval of a permit or notice of intent)
Drying Pad Above Ground Steel Tanks Haul-off Bins Other Lined Unlined Liner type: Thickness mil LLDPE HDPE PVD Other Liner Seams: Welded Factory Other
X Below-grade tank: Subsection I of 19.15.17.11 NMAC  Volume: 120 bbl Type of fluid: Produced Water  Tank Construction material: Metal  Secondary containment with leak detection X Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off
Visible sidewalls and liner Visible sidewalls only Other

Alternative Method:

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

Other

PVC

HDPE

mil

12/22/2008

Unspecified



X Other

Thickness

Form C-144

Society; Topographic map Within a 100-year floodplain

FEMA map

Oil Conservation Division

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Yes

X No

Temporary Pits, Emergency Pits an Instructions: Each of the following items i	d Below-grade Tanks I	Permit Application Plans	cation Attachment Ch	ecklist: Subsection B of 19.15.17.9 NM	AC		
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							
Sitting Citienta 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							
X Operating and Maintenance Plan				IMAG			
				ate requirements of Subsection C of			
19.15.17.9 NMAC and 19.15.17	1.13 NMAC		ased upon the appropri	ate requirements of Subsection C of			
Previously Approved Design (attach	copy of design)	API		or Permit			
Siting Criteria Compliance Dem Design Plan - based upon the ap	nust be attached to the app. ta (only for on-site closu onstrations (only for on- propriate requirements of	lication. Please re) - based uposite closure) - f 19.15.17.11	on the requirements of based upon the approp NMAC	rk in the box, that the documents are attac Paragraph (3) of Subsection B of 19.1 riate requirements of 19.15.17.10 NM	5.17.9		
Operating and Maintenance Plan							
Closure Plan (Please complete B NMAC and 19.15.17.13 NMAC	oxes 14 through 18, if a	pplicable) - ba	sed upon the appropria	tte requirements of Subsection C of 19	0.15.17.9		
Previously Approved Design (attach	copy of design)	API					
Previously Approved Operating and	Maintenance Plan	API					
Permanent Pits Permit Application C  Instructions: Each of the following items of the Structions: Each of the following items of the Structions: Each of the following items of the Structural Compliance Demonstrate Climatological Factors Assessment Certified Engineering Design Plater Dike Protection and Structural In Leak Detection Design - based up Liner Specifications and Compation Quality Control/Quality Assurance Operating and Maintenance Plan Freeboard and Overtopping Prevent Nuisance or Hazardous Odors, in Emergency Response Plan Oil Field Waste Stream Character Monitoring and Inspection Plan Erosion Control Plan Closure Plan - based upon the approximation of the Structural Control Plan Closure Plan - based upon the approximation of the Structural Control Plan Closure Plan - based upon the approximation of the Structural Control Plan Closure Plan - based upon the approximation of the Structural Control Plan Closure Plan - based upon the approximation of the Structural Control Plan Closure Plan - based upon the approximation of the Structural Control Plan Closure Plan - based upon the approximation of the Structural Control Plan Closure Plan - based upon the approximation of the Structural Control Plan Closure Plan - based upon the approximation of the Structural Control Plan Closure Plan - based upon the approximation of the Structural Control Plan Closure Plan - based upon the approximation of the Structural Control Plan Closure Plan - based upon the approximation of the Structural Control Plan Closure Plan - based upon the approximation of the Structural Control Plan - based upon the approximation of the Structural Control Plan - based upon the approximation of the Structural Control Plan - based upon the approximation of the Structural Control Plan - based upon the approximation of the Structural Control Plan - based upon the approximation of the Structural Control Plan - based upon the approximation of the Structural Control Plan - based upon the approximation of the Structural Control Plan - based upo	nust be attached to the ap- on the requirements of I onstrations - based upon nt ns - based upon the appro- tegrity Design: based up- on the appropriate requi- ibility Assessment - based the Construction and Insta- based upon the approp- ention Plan - based upon cluding H2S, Prevention	Paragraph (I) of the appropriate copriate require on the appropriate appropriate appropriate appropriate appropriate appropriate requirements of 19 and 19 appropriate appropriate appropriate Plan	se indicate, by a check more of Subsection B of 19.1 te requirements of 19.1 te requirements of 19.15.17.11 riate requirements of 19.15.17.11 NMAC propriate requirements of 19.15.17.12 NR te requirements of 19.1	5.17.9 NMAC 5.17.10 NMAC  NMAC 9.15.17.11 NMAC  of 19.15.17.11 NMAC  MAC 5.17.11 NMAC	ttached.		
Proposed Closure Method: X Waste Ex Waste Re	cavation and Removal emoval (Closed-loop systemoval (Closed-loop systemoval Method (only for In-place Burial	(Below- ems only) emporary pits On-site Trenc	Permanent Pit XI  Grade Tank)  and closed-loop system h	Below-grade Tank Closed-loop Syst			
Waste Excavation and Removal Closus Please indicate, by a check mark in the box,  \[ \begin{align*} \text{Protocols} and Procedures - based to the confirmation Sampling Plan (if application) and Permin the confirmation Sampling Plan (if application) and Permin the confirmation Plan - based upon	upon the appropriate requipon the appropriate requipolicable) - based upon the Number (for liquids, disecifications - based upon the appropriate requireme	uirements of 1 are appropriate filling fluids are the appropriate athe appropria	9.15.17.13 NMAC requirements of Subset and drill cuttings) atterequirements of Sub- tion I of 19.15.17.13 N	osection H of 19.15.17.13 NMAC MAC	he closure plan.		

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Waste Removal Closure For Closed-loop Systems That Uti	ilize Above Ground Steel Tanks or Haul-off Bins Only: (19.15.17.13.D NMAC	
Instructions: Please identify the facility or facilities for the dis are required.	sposal of liquids, drilling fluids and drill cuttings. Use attachment if more than tw	o) ofacilities
Disposal Facility Name:	Disposal Facility Permit #:	
Disposal Facility Name:		
Will any of the proposed closed-loop system operations a	and associated activities occur on or in areas that will not be used for future.  No	
Required for impacted areas which will not be used for future  Soil Backfill and Cover Design Specification - ba  Re-vegetation Plan - based upon the appropriate r	service and operations: sed upon the appropriate requirements of Subsection H of 19.15.17.13 NM requirements of Subsection I of 19.15.17.13 NMAC te requirements of Subsection G of 19.15.17.13 NMAC	IAC
certain string criteria may require administrative approval from the	nly: 19.15.17.10 NMAC ance in the closure plan. Recommendations of acceptable source material are provided by appropriate district office or may be considered an exception which must be submitted to to of equivalency are required. Please refer to 19.15.17.10 NMAC for guidance.	elow. Requests regarding changes to the Santa Fe Environmental Bureau office
Ground water is less than 50 feet below the bottom of the - NM Office of the State Engineer - iWATERS databases		Yes No
Ground water is between 50 and 100 feet below the botto	om of the buried waste	☐Yes ☐No
- NM Office of the State Engineer - iWATERS database so		N/A
Ground water is more than 100 feet below the bottom of	the buried waste.	Yes No
- NM Office of the State Engineer - iWATERS database se	earch; USGS; Data obtained from nearby wells	□N/A
(measured from the ordinary high-water mark).	feet of any other significant watercourse or lakebed, sinkhole, or playa lake	Yes No
- Topographic map; Visual inspection (certification) of the		
Visual inspection (certification) of the proposed site; Aeria	nstitution, or church in existence at the time of initial application. al photo; satellite image	Yes No
Within 500 horizontal feet of a private, domestic fresh water we purposes, or within 1000 horizontal fee of any other fresh water - NM Office of the State Engineer - iWATERS database; V	ell or spring that less than five households use for domestic or stock watering r well or spring, in existence at the time of the initial application.	Yes No
	nunicipal fresh water well field covered under a municipal ordinance adopted	Yes No
Within 500 feet of a wetland	raphic map; Visual inspection (certification) of the proposed site	Yes No
Within the area overlying a subsurface mine.  - Written confirantion or verification or map from the NM		Yes No
Within an unstable area.	ureau of Geology & Mineral Resources; USGS; NM Geological Society;	Yes No
Topographic map Within a 100-year floodplain FEMA map		Yes No
by a check mark in the box, that the documents are attace  Siting Criteria Compliance Demonstrations - based  Proof of Surface Owner Notice - based upon the ap  Construction/Design Plan of Burial Trench (if appli	upon the appropriate requirements of 19.15.17.10 NMAC propriate requirements of Subsection F of 19.15.17.13 NMAC icable) based upon the appropriate requirements of 19.15.17.11 NMAC place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.11 NMAC place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.11 NMAC	
Waste Material Sampling Plan - based upon the app	upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC propriate requirements of Subsection F of 19.15.17.13 NMAC	
Soil Cover Design - based upon the appropriate required Re-vegetation Plan - based upon the appropriate required Research Plan - based upon the appropriate required Research Plan - based upon the appropriate required Res		nnot be achieved)

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19			
Operator Application	n Certification:		
I hereby certify that the	information submitted with this application is true, accu	irate and complete to the best of n	ny knowledge and belief.
Name (Print):	Crystal Tafoya		Regulatory Technician
Signature:	Constant tolona	Date:	12/22/2008
e-mail address:	crystal.tafoya@conocophillips.com	Telephone:	505-326-9837
			303 320 7031
20			
OCD Approval:	Permit Application (including closure plan)	Closure Plan (only)	CD Conditions (see attachment)
OCD Representative	Signature: CRWhitehea	d	Approval Date: October 19, 2021
Fitte: Enviror	nmental Specialist	OCD Permit Num	ber: BGT 1
21			
	nired within 60 days of closure completion): Substitution	action V of 10 15 17 12 NMAC	
Instructions: Operators of	are required to obtain an approved closure plan prior to	o implementing any closure activity	ties and submitting the closure report. The closure
report is required to be s	submitted to the division within 60 days of the completion as been obtained and the closure activities have been co	on of the closure activities. Please	e do not complete this section of the form until an
approved Closure plan no	is been obtained and the closure activities have been co		
		Closure Compl	letion Date:
22			
Closure Method:			
Waste Excavation	n and Removal On-site Closure Method	Alternative Closure Method	Waste Removal (Closed-loop systems only)
If different from	approved plan, please explain.		
3			
Closure Report Regardi	ing Waste Removal Closure For Closed-loop Systems	That Utilize Above Ground Ste	eel Tanks or Haul-off Bins Only:
nstructions: Please iden ere utilized.	ntify the facility or facilities for where the liquids, drilli	ing fluids and drill cuttings were	disposed. Use attachment if more than two facilities
Disposal Facility Nam	ne:	Disposal Facility Permit N	lumber:
Disposal Facility Nam		Disposal Facility Permit N	
Were the closed-loop	system operations and associated activities performed o		
		]No	
Required for impacted	areas which will not be used for future service and ope	erations:	
	(Photo Documentation)		
	nd Cover Installation		
Re-vegetation Ap	plication Rates and Seeding Technique		
4			
Closure Report Att	tachment Checklist: Instructions: Each of the follow	wing items must be attached to th	ne closure report. Please indicate, by a check mark in
	Notice (surface owner and division)		
	otice (required for on-site closure)		
	-site closures and temporary pits)		
	impling Analytical Results (if applicable)		
	Sampling Analytical Results (if applicable)		
	Name and Permit Number		
	and Cover Installation		
	pplication Rates and Seeding Technique		
	(Photo Documentation)		
On-site Closure		Longitude:	NAD [] 1027 [] 1092
on one closure i	Lamus.		NAD   1927   1983
perator Closure Cert	tification:		
		report is ture, accurate and comple	ete to the best of my knowledge and belief. I also certify that
closure complies with a	all applicable closure requirements and conditions spec	ified in the approved closure plan	1.
ame (Print):			
ine (11mt).		Title:	
gnature:		Date:	
mail address		Telephone:	

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## New Mexico Office of the State Engineer POD Reports and Downloads

Township: 28N Rang	e: 09W Sections:
NAD27 X: Y:	Zone: Search Radius:
County: Basin:	Number: Suffix:
Owner Name: (First)	(Last) C Non-Domestic C Domestic All
POD / Surface Data Report	Avg Depth to Water Report Water Column Report
Clear	Form iWATERS Menu Help

## WATER COLUMN REPORT 08/21/2008

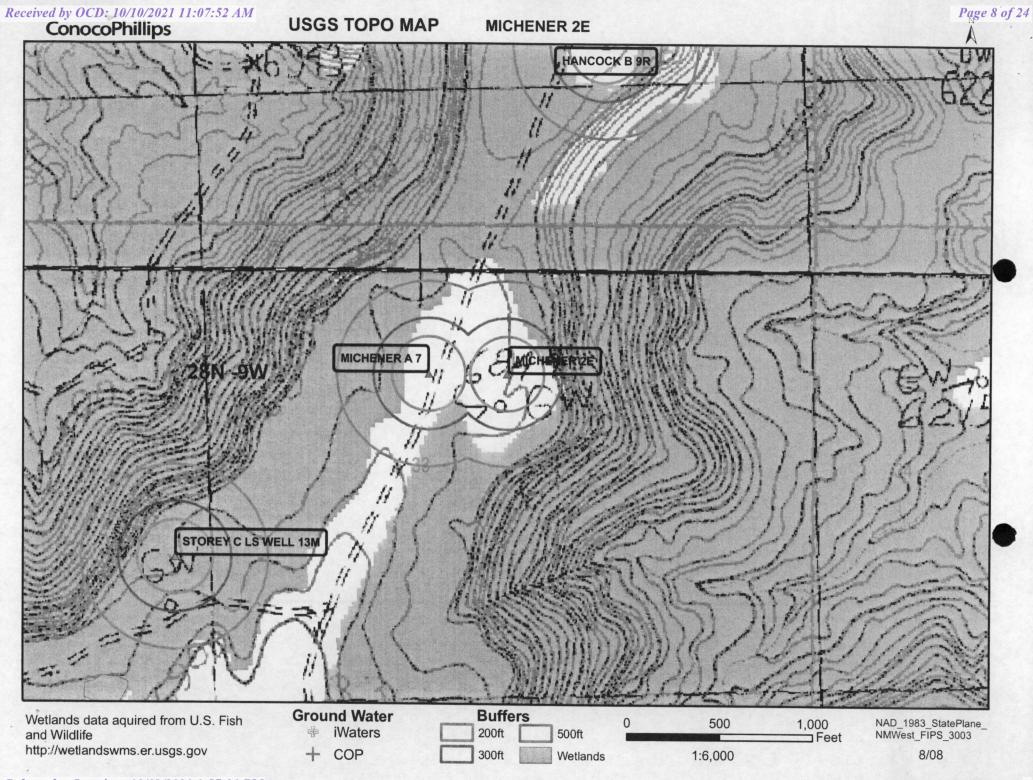
							3=SW 4=SE smallest			Depth	Depth	Water (	(in
POD Number	Tws	Rng	Sec	q	P	q	Zone	х	Y	Well	Water	Column	
SJ 03746 POD1	28N	09W	20	1	2	3				190	40	150	
SJ 00018	28N	09W	20	3	1	4				135	71	64	
SJ 02800	28N	09W	24	4	2	3				200			

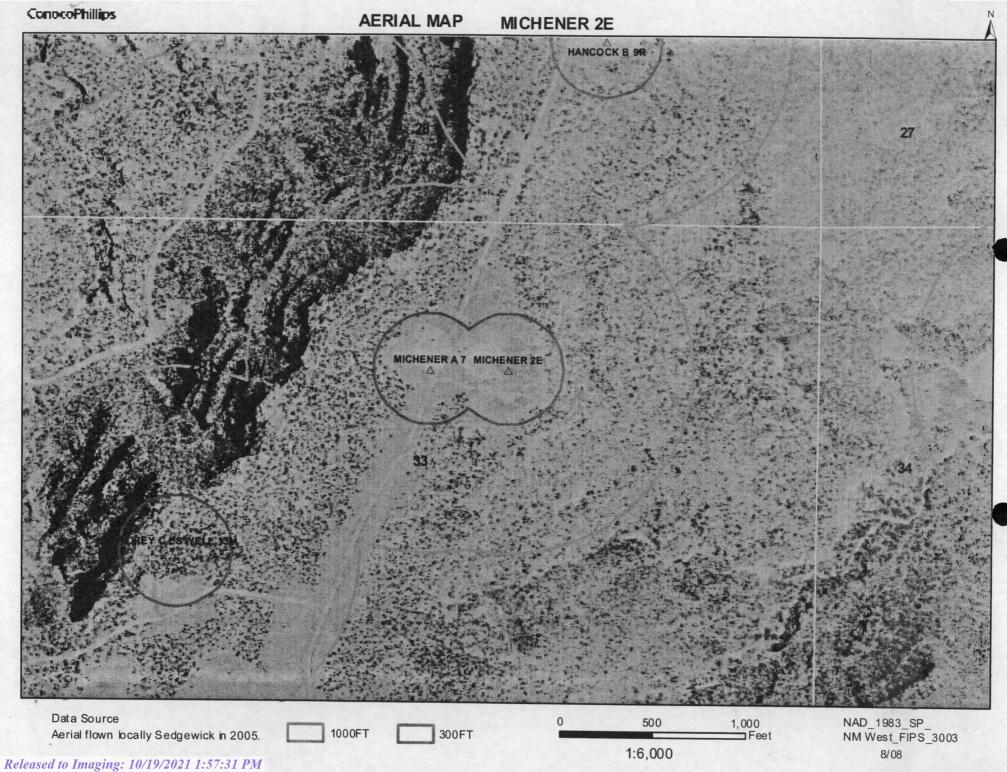
Record Count: 3

## New Mexico Office of the State Engineer POD Reports and Downloads

1 OD Reports and	Downloads
Township: 27N Range: 09W Sections	S:
NAD27 X: Y: Zone:	Search Radius:
County: Basin:	Number: Suffix:
Owner Name: (First) (Last) 6 All	C Non-Domestic C Domestic
POD / Surface Data Report	Avg Depth to Water Report
Water Column F  Clear Form iWATER	Report  RS Menu Help
(quarters are 1=NW 2=NE 3=SW (quarters are biggest to small)  POD Number Tws Rng Sec q q q Zone	lest) Depth Depth Wate

No Records found, try again



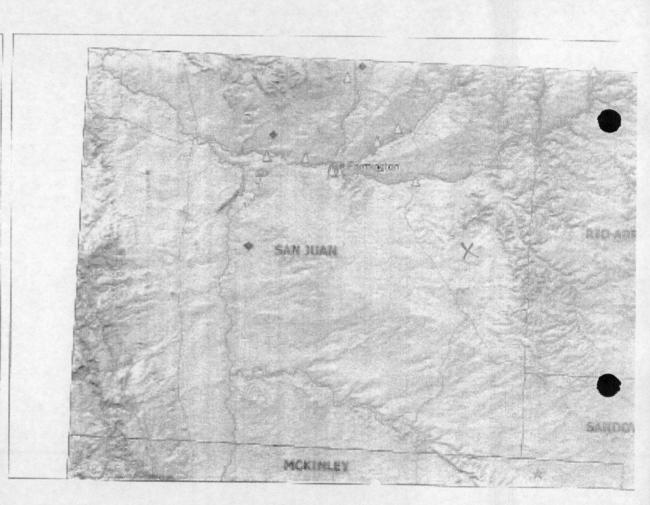


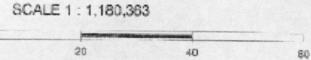
## Mines, Mills and Quarries Web Map

MICHENER 2F

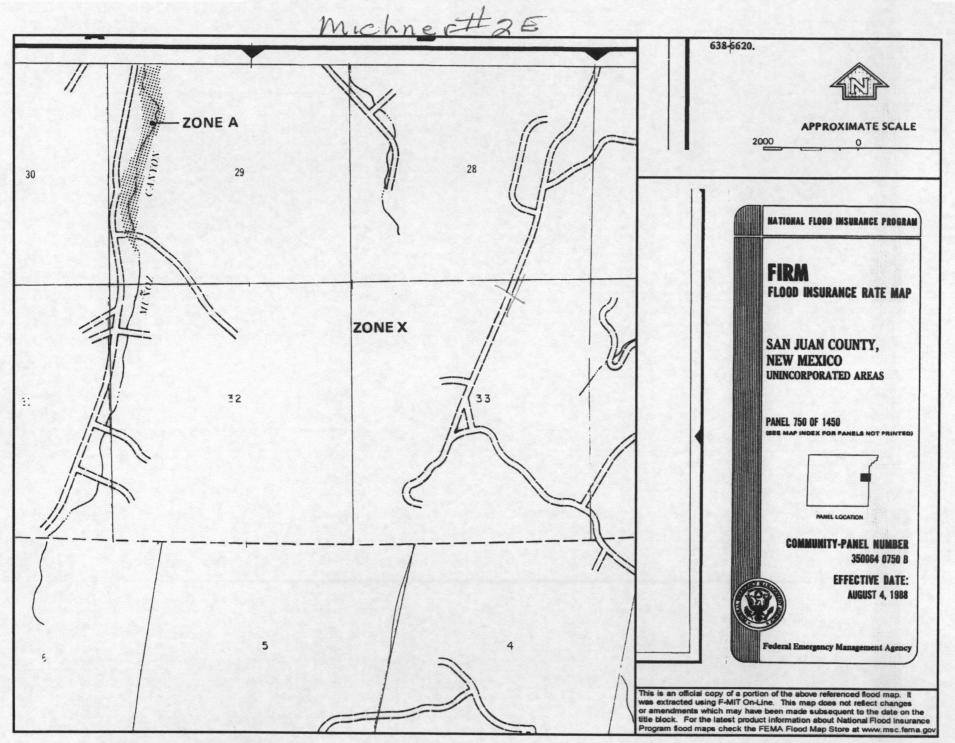
Unit Letter: B, Section: 33, Town: 028N, Range: 009W

ines, Mills	& Quarries Commodity Groups
۵	Aggregate & Stone Mines
	Coal Mines
×	Industrial Minerals Mines
*	Industrial Minerals Mills
Call .	Metal Mines and Mill Concentrate
M	Potash Mines & Refineries
nei.	Smelters & Refinery Ops.
*	Uranium Mines
0	Uranium Mills
pulation	
•	Cities - major
anaportati	on
	Railways
dustagenus	Interstate Highways
	Major Roads





MILES



### **MICHENER 2 E**

Site Specific Hydrogeology

A visual site inspection confirming the information contained herein was performed on the well 'MICHENER 2E', which is located at 36.623458 degrees North latitude and 107.79002 degrees West longitude. This location is located on the Huerfanito Peak 7.5' USGS topographic quadrangle. This location is in section 33 of Township 28 North Range 9 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 Blanco, located 7.2 miles to the north. The nearest large town (population greater than 10,000) is Farmington, located 24.3 miles to the west (National Atlas). The nearest highway is US Highway 64, located 6.8 miles to the northwest. The location is on BLM land and is 7,964 feet from the edge of the parcel as notated in the BLM land status layer updated January 2008. This location is in the Upper San Juan. Colorado. New Mexico, Sub-basin. This location is located 2073 meters or 6799 feet above sea level and receives 11.5 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 687 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 1,049 feet to the southeast and is classified by the USGS as an intermittent stream. The nearest perennial stream is 4,635 feet to the east. The nearest water body is 2,815 feet to the southwest. It is classified by the USGS as an intermittent lake and is 0.4 acres in size. The nearest spring is 11,803 feet to the southwest. 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 4,798 feet to the northwest. The nearest wetland is a 0.6 acre Other located 2,781 feet to the southwest. The slope at this location is 21 degrees to the east 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 'Travessilla-Weska-Rock outcrop complex, moderately steep' 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 24.1 miles to the north 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.

## 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.
- 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.

TO RTU +

LAHH

LI

LSHH

4' SLOTTED 'SUPER MUFFLER'

DRAIN FROM SEPARATORS

SWABLINE

VENT LINE

ENVIROMENTAL DRAIN LINE

DRAIN LINES FROM TANKS

TO RTU =

## DPERATION

- 1) PRODUCTION TANKS DRAINLINE
- 2) SWABLINE DRAIN LINE
- 3) ENVIROMENTAL DRAIN LINE FROM COMPRESSOR SKID

## AUTOMATED OPERATION

- 1) VENT VALVE DRAIN LINE
- 2) DUMP LINE FROM SEPARATORS
- 3) AUTOMATIC SHUT OFF LSHH ACTIVATES AT 10" FROM TOP

3" TRUCK LOADOUT CONNECTION SLOPE TO DRAIN TRUCK GROUND CONNECTION

EXPANDED METAL COVER

HINGED MANWAY

CORROGATED RETAINING WALL HEIGHT 56"

3' TRUCK LUAD LINE

SA-36 3/16" PLATE

PRIGINAL GRADE

SA-36 1/4" PLATE

DURASKRIM J45 **IMPERMEABLE** LINER FOR VISIBLE EXCAVATION

00

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

# DUFA-SKRIM®

# 130, 136 **a** 145

PROPERTIES	TEST METHOD	1	30B <b>B</b>	J3	6BB	. J4	588 ·	
		Min. Roll Averages	Typical Roll Averages	Min. Roll Averages	Typical Roll Averages	Min. Roll Averages	Typical Roll Averages	
Appearance		Blac	ck/Black	Black	k/Black	Black	Black/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	with encapsula				
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						
Minimum Use Temperature		-70° 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.
- 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 of 19.15.17.11 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.

- 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 54962

### **QUESTIONS**

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	54962
	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	Not answered.				
Facility ID (f#), if known	Not answered.				
Facility Type	Below Grade Tank - (BGT)				
Well Name, include well number	Not answered.				
Well API, if associated with a well	Not answered.				
Pit / Tank Type	Not answered.				
Pit / Tank Name or Identifier	Not answered.				
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)	Not answered.				
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)	Not answered.			
Type of Fluid	Not answered.			
Pit / Tank Construction Material	Not answered.			
Secondary containment with leak detection	Not answered.			
Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off	Not answered.			
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)	Not answered.	

Netting		
Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks)		
Screen	Not answered.	
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.
I	Signed in compliance with 19.15.16.8 NMAC	Not answered.

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.	Not answered.		
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.

ing Criteria, General Siting		
Ground water is less than 25 feet below the bottom of a low chloride temporary pit or below-grade tank	Not answered.	
NM Office of the State Engineer - iWATERS database search	Not answered.	
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)	Not answered.	
Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption	Not answered.	

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

Operator Application Certification	
Registered / Signature Date	Not answered.

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ACKNOWLEDGMENTS

Action 54962

#### **ACKNOWLEDGMENTS**

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	54962
	Action Type:
	[C-144] Legacy Below Grade Tank Plan (C-144LB)

#### **ACKNOWLEDGMENTS**

1	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.	
1	<	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 54962

### **CONDITIONS**

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#### CONDITIONS

Created By	Condition	Condition Date
cwhitehead	None	10/19/2021