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

**Energy Minerals and Natural Resources** 

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

Form C-144

District II 1301 W. Grand Ave., Artesia, NM 88210 District III 1000 Rio Brazos Rd., Aztec, NM 87410

Department Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

For permanent pits and exceptions submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

1220 3. 31	. Francis	Dr.,	Santa	Fe,	NM	87505
		Tribl				

District IV

### 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
	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 operation environment. Nor does approval relieve the operator of its responsibility to comply with any other application.	
Operator: ConocoPhillips Company	OGRID#: 217817
Address: PO Box 4289, Farmington, NM 87499	
Facility or well name: SAN JUAN 29-5 UNIT 15	P. C. C. I
API Number: 3003907595 OCD Permit Num	ber:
U/L or Qtr/Qtr: B Section: 20 Township: 29N Range:	5W County: Rio Arriba
Center of Proposed Design: Latitude: 36.7153511°N Longitude:	-107.3768005°W NAD: X 1927 1983
Surface Owner: Federal State X Private Tribal Trust or Indi	ian 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  String-Reinforced  Liner Seams: Welded Factory Other Volume:	HDPE PVC Other  bbl Dimensions Lx Wx 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 notice of intent)  Drying Pad Above Ground Steel Tanks Haul-off Bins Other  Lined Unlined Liner type: Thickness mil LLDPE  Liner Seams: Welded Factory Other	to activities which require prior approval of a permit or  HDPE PVD Other
Note	utomatic overflow shut-off Unspecified
5  Alternative Method: Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Envir	ronmental Bureau office for consideration of approval.

6	
Fencing: Subsection D of 19.15.17.11 NV Applies to permanent out tempor in	
Chara link, six feet in height, two death of the control of the co	
Chara link, six feet in height, two strands of barbed wire at top (Required if located within 1000 feet of a permanent residence, school, a literate.    Please proof.	
X / Aternate. Please specify 4' hog wire fencing topped with two strands barbed wire.	nospital, institution or church)
7	
Vetting: Subsection F of 19 15 17 11 NAVAGE	
Netting: Subsection F of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks)	The second secon
Monthly inspections (If netting or screening is not physically feasible)	
8	
Signs: Subsection C of 19.15.17.11 NMAC	
12" X 24", 2" lettering, providing Operators	
12" X 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers  X Signed in compliance with 19.15.3.103 NMAC	
9	
Administrative Approvals and Exceptions:	
rustrications and/or demonstrations of equivalency are required.	
Please check a box if one or more of the following is requested, if not leave blank:    X   Administrative approach to   Please refer to 19.15.17 NMAC for guidance.	
X Administrative approval(s): Requests must be submitted to the appropriate division district of the Santa Fe Environmental Bureau office  [Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office	
Exception(a). B.	for consideration of approval
Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.	or approvar.
	1970-19
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 appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental from the consideration of approval. Applicant must attach invite.	
Consideration of approval Application of approval Application with must be submitted to the Consideration of approval from the	
consideration of approval. Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria	
Ground water is less than 50.5 Siting criteria	
Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank.  NM Office of the State Engineer - iWATERS database search; USGS: Data obtained for	
NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes X No
lake (measured from the ordinary birth	
inspection (certification) of the proposed in	Yes X No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial	
application. application application application application application.	
remporary, emergency, or cavitation pieces at the	Yes XNo
(Certification) of the proposed site. A !	□ □NA
a per manent residence, school, hospital, institution or characteristics	
(Applied to permanent pits)	Yes No
- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image Within 500 horizonal feet of a private to	XNA
purposes, or within 1000 having 1000 having the less than 500 having the less tha 500 having the less than 500 having the less than 500 having the	- · · · ·
Within 500 horizonal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application.	Yes X No
- NM Office of the State Engineer - iWATERS database	A INO
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance  Written confirmation or verification from the search of the proposed site.	
adopted pursuant to NMSA 1978 Section 2 27 2	
Within 500 feet of a weekend	Yes XNo
- US Fish and Wildlife Wetland Identification man Towns	
US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	Yes X No
the accommunity of verification or map from the NM EMNIP.	
Within an unstable area.	Yes X No
- Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological	Tyes VNo
/ithin a 100-year floodplain	Yes X No
FEMA map	
	Yes X No

Temporary Pits, Emergency Pits a. elow-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC  X Hydrogeologic Report (Below-grade Tanks). In the application, Please indicate, by a check mark in the box, that the degree of the degree of the policy of the policy of the degree of the policy of t	
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.  It Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC  Hydrogeologic Data (Tangangara) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC	
X   Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC   N   Siting Criteria Compiliance B   Siting Criteria Compili	
Hydrogeologic Data (The Wigner and Comments are attached.	
See Salar (1 chipotary and Emerganous Disc.)	
and a state of the	
X   Design Plan - based upon the appropriate requirements of 19.15.17.10 NMAC   X   Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.11 NMAC	
X Operating and Maintenance of 19.15.17.11 NMAC	
X   Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.11 NMAC   X   Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of   Previously Approved Design (one of the second content of the second conten	
19.15.17.9 NMAC and 19.15.17.13 NMAC	
Previously Approved Design (attach copy of design)  API	
API	
or Permit	
Closed-loop Systems Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC  Geologic and Works at the Application Please in Experiment Checklist: Subsection B of 19.15.17.9 NMAC	
instructions: Each of the following items must be attached to the	
The state and rivurgeologic Data toply for an in the base indicate, by a check mark in the base	
Siting Criteria Compliance Dominion to our site closure) - based upon the requirements of Paragraph (3) of Section 1.	
the appropriate requirements of 10 15 17 10 No.	
and Maintenance Plan - based upon the	
Closure Plan (Please and Inc.) State of the Appropriate requirements of 19.15.17.12 NMAC	
Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9  Previously Approved Design (attach copy of design)	
Dased upon the appropriate requirements of Subsection C of 10.15.17.	
Previously Approved Operating and Maintenance Plan  API  API	
13	Se mil
Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC	( ( )
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.  Siting Criteria Compliance Demonstration.	
Under the Johnson must be attached to the application. Please in East	
Tyurogeologic Report - based upon the requirements of Paragraph of the indicate, by a check mark in the box, that the documents are ottached	- 1
Hydrogeologic Report - based upon the requirements of Paragraph (I) of Subsection B of 19.15.17.9 NMAC  Climatelesis of Paragraph (I) of Subsection B of 19.15.17.9 NMAC	
milatological Factors Assessment	
Certified Envineering Design Physics Certified Environment Physics Certified Envineering Design Physics Certified Environment Physics Certified Environme	
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	- 1
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 Specification 1.00	
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	
Shell Specifications and Compatibility A	.77.
Quality Control/Quality Assurance C	
Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.11 NMAC  Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.12 NMAC	
Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.12 NMAC  Nuisance or Hazardous Odors, including H2S, Prevention Plan  Finergency Plans	
Nuisance or Hazardous Odors, including H2S, Prevention Plan  Emergency Response Plan	
in the gency kesponse Plan	
Oil Field Waste Stream Characterization	3
Monitoring and Inspection Plan	1
Lipidian Control Plan	
Closure Plan - based upon the	
oused upon the appropriate requirements of Subsection C of 19.15.17.9.2004.	
Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17 13 NMAC	Salar.
structions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.    Drilling   Workover   Emergency   Cavitation   Dec.   D	=
ype: Drilling Worksham Dr. Boxes 14 through 18, in regards to the proposed closure plan	
Drilling Workover Emergency Cavitation P&A Permanent Bit St.	13
Thermative X Below-grade Tank Cloved-loop Survey	1
	1
Waste Removal (Closed Issued I	100
Closed-loop systems only	
On-site Closure Method (only for temporary pits and closed-loop and the control of the contro	1
	1
Alternative Closure Method / Francis	1
restrict (Exceptions must be submitted to the Santa Fe Environmental Fe	1 30
Alternative Closure Method (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration)	1
	7
ase indicate, by a check mark in the box, that the documents are attached.  Protocols and Procedures beauty the documents are attached.	1
Protocols and Procedures - based upon the appropriate	
Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC  Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC  Soil Backfill and Cover Design Specification of Specific and Cover Design Specific and Cover D	1
Disposal Facility Name and Disposal Facility Nam	1
Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings)  Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC	
- Design opening Land	1
Re-vegetation Plan - based upon the appropriate appropriate requirements of Subsection H of 19 15 17 12 NACCE	1
Site Reclamation Plan - beauty and the appropriate requirements of Subsection Lof 19.15.17.13 NMAC	
Site Reclamation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC  Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC	
Guisection G of 19.15.17.13 NMAC	
Form C-144	

W. A. D.		
Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-on Instructions: Please identify the facility or facilities for the disposal of liquids, drilling fluids and drill cutto Disposal Facility Name:		
are required.	ff Bins Only: (19.15.17 13.D N	MAC)
Disposal Facility Name.	mgs. Ose attachment if more th	um two facilities
Disposal Facility Name: Disposal Facility		
Will any of the proposed closed by	Poemis #	
Yes (If yes, please provide the informations and associated activities occur on a	rermit #:	
Will any of the proposed closed-loop system operations and associated activities occur on or in are    Yes (If yes, please provide the information   No   No   No	as that will not be used for f	uture service and operations?
Required for impacted areas which will not be used for future service and operations:  Soil Backfill and Cover Design Specification.		operations?
Re-vegetation Plan - based upon the appropriate requirements of	Cut	
Soil Backfill and Cover Design Specification - based upon the appropriate requirements of Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.1  Site Reclamation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.1	3 NMAG	NMAC
Site Reclamation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.1	7 NMAC	
	17.13 NMAC	
Siting Criteria (Regarding on-site closure methods only: 19.15.17.10 NMAC		
Instructions: Fach string criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptain string criteria may require administrative approval from the appropriate district office or may be considered an of approval. Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.		
for consideration of approval. Justifications and/or in the appropriate district office or may be consideration.	ptable source material are provide	d below P.
certain sting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptor consideration of appropriate administrative approval from the appropriate district office or may be considered an Ground water is less than 50 feet below the bottom of the	exception which must be submitted	to the Sania Fe Environmental Russian
Ground water is less than 50 feet below the bottom of the buried waste.  NM Office of the State Engineer Wilder and State Engineer and St	for guidance.	man bureau office
State Engineer - IWATERS database search; USGS: Data obtained of		Yes No
Ground water is between 50 and 100 search to		
Ground water is between 50 and 100 feet below the bottom of the buried waste		□N/A
Englished - IWATERS database search; USGS: Data obtained s		Yes No
is those than 100 feet below that		I IIN/A
- NM Office of the State Engineer - iWATERS database		
NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells  Within 300 feet of a continuously flowing and.		Yes No
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakeb Topographic map: Visual inspection (equilibrium).		N/A
Topographic man: Visual inequality	ed, sinkhole, or playa lake	Yes No
The inspection (certification) of the		L. C.S.   LIND
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of ini  Visual inspection (certification) of the proposed site: Aerial photo: satellite image		
<ul> <li>Visual inspection (certification) of the proposed site: Aerial photo: satellite image</li> </ul>	tial application.	Yes No
Within 500 horizontal face of		
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for or purposes, or within 1000 horizontal fee of any other fresh water well or spring, in existence at the time of the initial within incorporated municipal have to a WATERS database: Visual inspection (certification) of the corporated		Yes DNo
NM Office of the State Engineer - WATERS that water well or spring, in existence at the time of the initial	domestic or stock watering	1 1.40
NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site pursuant to NMSA 1978, Section 3-27-3, as amended.  Within confirmation or verification from the provision of the proposed site pursuant to NMSA 1978, Section 3-27-3, as amended.	ar application.	
1978. Section 1 27 2		
Written confirmation or verification from the municipality; Written approval obtained from the municipality  Within 500 feet of a wetland	americal ordinance adopted	Yes No
Within 500 feet of a wetland		
US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the particular assumption of the particular assumption (certification) of the particular assumption (certification).  Writing Control of the particular assumption of the particular assumption (certification) of the particular assumption (certification).		
Within the area overlying a subsurface mine.	proposed site	Yes No
written confiramtion or verification or man from the NIA SA NIA SA		
Vithin an unstable area.		Yes No
<ul> <li>Engineering measures incorporated into the design; NM Bureau of Geology &amp; Mineral Resources; USGS; NM Topographic map</li> <li>(ithin a 100-year floodplain)</li> </ul>		
Topographic map	Geological Society	∐Yes ∐No
ithin a 100-year floodplain FEMA map	o and octaty,	
теми тар		
		Yes No
a-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must a check mark in the box, that the documents are attached.  Siting Criteria Compliance Demonstrations a based was a six of the following items must be set to be		
a check mark in the box, that the documents are attached.	hee attached to the	
Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.1  Proof of Surface Owner Notice - based upon the appropriate requirements of 6.2 in the surface of the s	ore unached to the closure	plan. Please indicate,
Proof of Surface Owner Notice - based upon the appropriate requirements of 19.15.17 1	0 NMAC	
Proof of Surface Owner Notice - based upon the appropriate requirements of 19.15.17.1  Construction/Design Plan of Burial Trench (if applicable) based upon the	17.12.NAC	
Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of Construction/Design Plan of Temporary Pit (for in place burial of a drying real).	17.13 NMAC	
Protocol Pro	f 19.15.17.11 NMAC	
	Onright recuir	5 17 11 NMAG
The state of the s		NMAC
Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F  Waste Material Sampling Plan - based upon the appropriate requirements of Subsection F  Disposal Facility Name and Permit Number (for liquids, drilling fluids and 1.2)	of 19.15.17 13 NMAG	
Disposal Facility Name and Permit N	13 NMAC	
Soil Cover Design based were the Number (for liquids, drilling fluids and drill cuttings or in	13 NMAC	
Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on- Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC	site closure standards cannot	be achieved)
Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC  Site Reclamation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC		
Site Reclamation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC  Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC		
of Subsection G of 19.15.17.13 NMA	AC .	
Form C 1:4		

Name (Print):	mation submitted with this application is true, accur Crystal Fafoya	ate and complete to th	te best of my knowledge and belief.
Signature:	1-0-1	Title:	Regulatory Technician
e mail address:	Compete of open	Date:	12/22/2008
	cyclal rafova @conocopnilips.com	Telephone:	505-326-9837
20			70.11
OCD Approval: Pern	nit Application (including closure plan)		
OCD Representative Signa	Aturns	Closure Plan (only)	OCD Conditions (see attachment)
· Oigna	Rui e:		
Title:			Approval Date:
21		OCD Pern	nit Number:
Closure Ponent			
Instructions: Operators are requi	vithin 60 days of closure completion): Subsection	on K of 19.15.17.13 NMAC	re activities and submitting the closure report. The closure
report is required to be submitte	d to the division within 60 days of the completion	plementing any closus	re activities and submitting the closure report. The closure . Please do not complete this section of the form until an
approved Closure plan has been	obtained and the closure activities have been comp	f the closure activities leted	Please do not complete this section of the form until on
22		Closure	Completion Date:
Closure Method:			
Waste Excavation and Re	emoval On-site Closure Method		
If different from approved	I plan, please explain	Alternative Closure M	lethod Waste Removal (Closed-loop systems only)
3			
losure Report Regarding Wast	te Removal Closure For Closed-loop Systems Tha facility or facilities for where the liquids, drilling fl	Es .	
structions: Please identify the f	acility or facilities for where the limits	t Utilize Above Grou	nd Steel Tanks or Haul off P
Disposal Facility N	where the liquids, drilling fl	uids and drill cuttings	nd Steel Tanks or Haul-off Bins Only: s were disposed. Use attachment if more than two facilities
Disposal Facility Name:		Disposal Facilia B	more than two facilities
Disposal Facility Name:		Disposal Facility Per	rmit Number:
Ves (If your all	perations and associated activities performed on or in rate compliane to the items below) No	Disposal Facility Per	mit Number:
Tes (II yes, please demonst	rate complilane to the items below)	n areas that will not be	e used for future service and opeartions?
required for impacted areas wh	ich will not be a la		
Site Reclamation (Photo Do Soil Backfilling and Cover I		13.	
Re-vegetation Application P	nstallation		
Re-vegetation Application R	ates and Seeding Technique		
losure Report Attachment	Charlet		
ne box, that the documents are d	Checklist: Instructions: Each of the following ite	ems must be attached	to the closure report. Please indicate, by a check mark in
Proof of Closure Notice (si	urface owner and division		to the closure report. Please indicate, by a check mark in
Proof of Deed Notice (requ	uired for on-site closure)		
Plot Plan (for on-site closur	es and temporary pite)		
Confirmation Sampling An	alytical Results (if applicable)		
Waste Material Sampling A	analytical Results (if applicable)		
Disposal Facility Name and	Permit Number		
Soil Backfilling and Cover I	nstallation		
Re-vegetation Application P	lates and Seeding Technique		
Site Reclamation (Photo Doc	Cumentation		
On-site Closure Location:			
- Cocation.	Latitude:Longi	itude:	NAD CLASS C
			NAD 1927 1983
tor Closure Certification:			
certify that the information and	are a house of		
ure complies with all applicable	closure requirements submitted with this closure report is to	ire, accurate and com	Olete to the book of
Print):	attachments submitted with this closure report is tu closure requirements and conditions specified in the	e approved closure pla	olete to the best of my knowledge and belief. I also certify that in.
		itle:	
		me.	
re:			
ddress:		ate:	

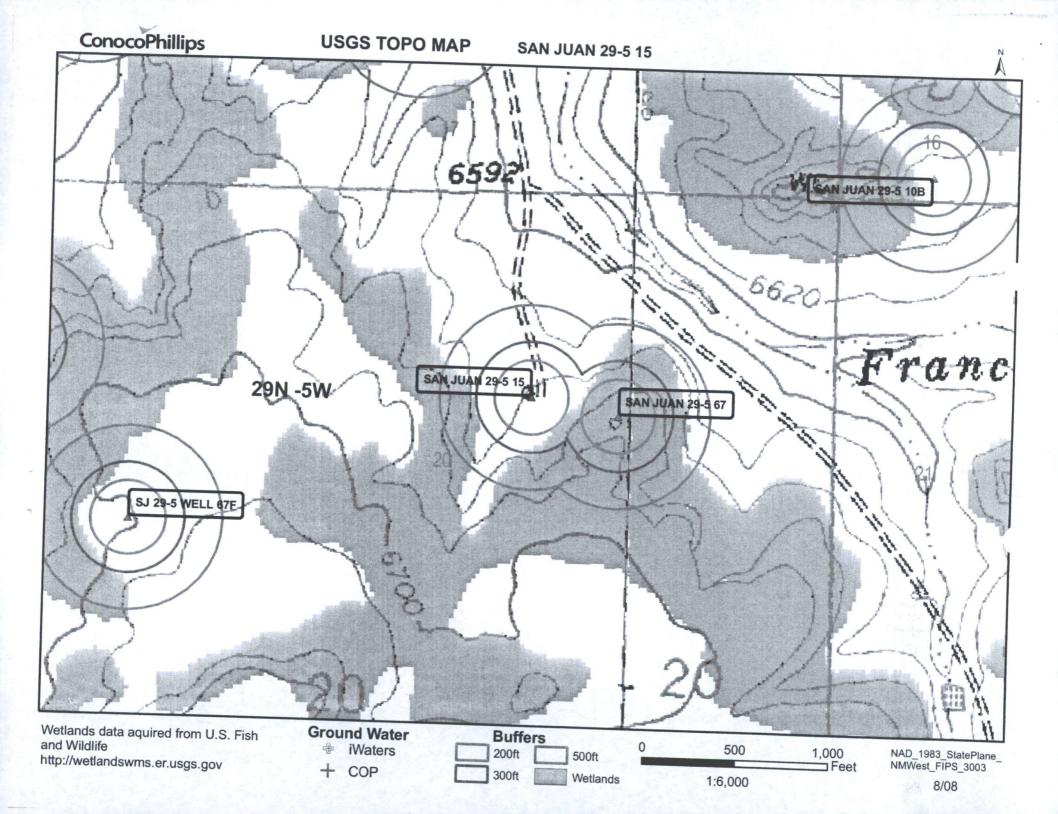
### New Mexico Office of the State Engineer POD Reports and Downloads

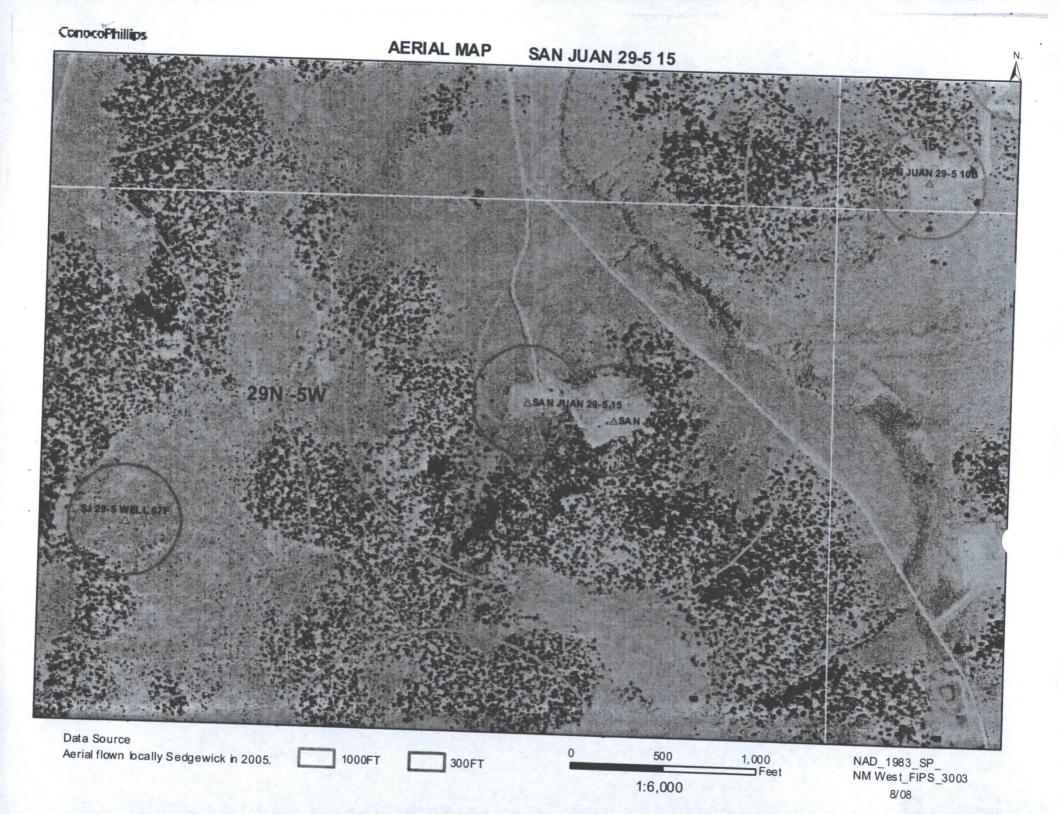
Township: 29N Range:	05W Sections:
NAD27 X: Y:	Zone: Search Radius:
County: Basin:	Number: Suffix:
Owner Name: (First)	Last) C Non-Domestic C Domestic All
POD / Surface Data Report	Avg Depth to Water Report Water Column Report
Clear Form	m iWATERS Menu Help

### WATER COLUMN REPORT 08/21/2008

							3=SW 4=SE) smallest)			D17			
POD Number SJ 02339	Tws	Rng 05W	Sec	q	q	q	Zone	x	Y	Depth Well	Depth Water	Water	(in
SJ 00422 SJ 00056	29N 29N	05W 05W	31	2						350 239	108 135	242 104	
SJ 00057 SJ 03208		05W	31	2	3	1				142 158	50 57	92 101	
SJ 02383		05W 05W		3		_				220 300	160 100	60 200	

Record Count: 6

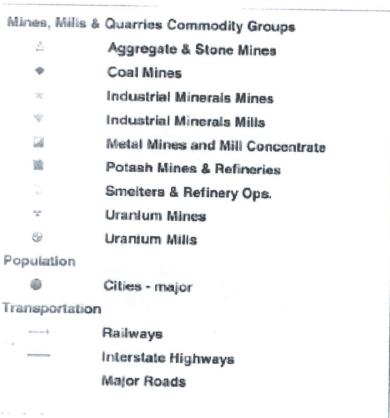




## Mines, Mills and Quarries Web Map

**SAN JUAN 29-5 15** 

Unit Letter: B, Section: 20, Town: 029N, Range: 005W







San Juan 29-5 # 15 = C JOINS PANEL 0225 ZONE X Frances R S W APPROXIMATE SCALE ZONE A NATIONAL FLOOD INSURANCE PROGRAM FIRM FLOOD INSURANCE RATE MAP RIO ARRIBA COUNTY. **NEW MEXICO** UNINCORPORATED AREAS Frances PANEL 400 OF 1325 (SEE MAP INDEX FOR PANELS NOT PRINTED) 20 PANEL LOCATION COMMUNITY-PANEL NUMBER 350049 0400 B EFFECTIVE DATE: **JANUARY 5, 1989** Federal Emergency Management Agency 30 This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes 29 or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov

### SAN JUAN 29-5 UNIT 15

Site Specific Hydrogeology

A visual site inspection confirming the information contained herein was performed on the well 'SAN JUAN 29-5 UNIT 15', which is located at 36.7153511 degrees North latitude and 107.3768005 degrees West longitude. This location is located on the Four mile Canyon 7.5' USGS topographic quadrangle. This location is in section 20 of Township 29 North Range 5 West of the Public Land Survey System (New Mexico Principal Meridian). This location is located in Rio Arriba County, New Mexico. The nearest town is Allison, located 22.2 miles to the north. The nearest large town (population greater than 10,000) is Farmington, located 46.0 miles to the west (National Atlas). The nearest highway is US Highway 64, located 0.9 miles to the south. The location is on Private land and is 1,188 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 2024 meters or 6638 feet above sea level and receives 13.5 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 165 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 named Frances Creek and is 876 feet to the northeast and is classified by the USGS as an intermittent stream. The nearest perrenial stream is 2,553 feet to the southeast. The nearest water body is 2,537 feet to the southeast. It is classified by the USGS as a perennial lake and is 0.4 acres in size. The nearest spring is 18,925 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 2,245 feet to the north. The nearest wetland is a 0.2 acre other located 10,358 feet to the southwest. The slope at this location is 4 degrees to the north 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 'Vessilla-Menefee-Orlie complex, 1 to 30 percent slopes' 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 8.5 miles to the north as indicated on the Mines, Mills and Quarries Map of New

### 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.

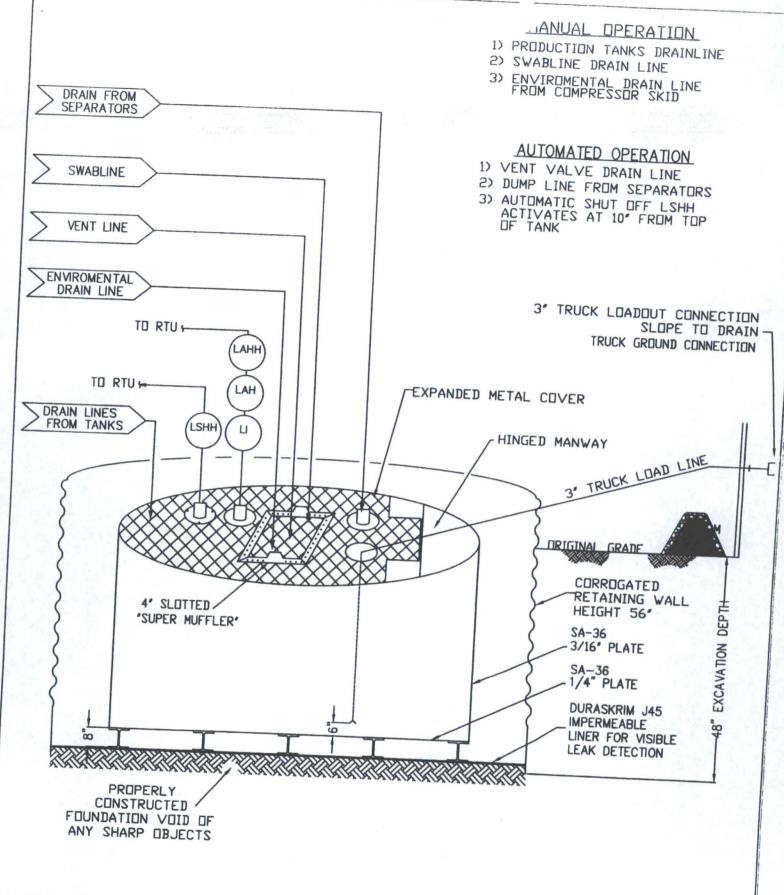
### ConocoPhillips Company San Juan Basin Below Grade Tank Design and Construction

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 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.



### ConocoPhillips

San Juan Business Unit

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

## HA-SKHIM®

# J30, J36 & J45

PROPERTIES	TEST METHOD		130BB	J	36BB	2 19 6 TO 1	4ED#
		Min. Roll Averages	Typical Roll Averages		Typical Roll	Min. Roll	
Appearance		Bla	ack/Black		Averages	Averages	
Thickness	ASTM D 5199	27 mil	1		ck/Black	Bla	ck/Black
Weight Lbs Per MSF (oz/yd²)	ASTM D 5261	126 lbs	30 mil	32 mil	36 mil	40 mil	45 mil
Construction		(18.14)	(20.16)	(21.74)	168 lbs (24.19)	189 lbs (27.21)	210 lbs (30.24)
Ply Adhesion	ACTAL	**Ex	trusion laminate	ed with encapsu	ated tri-direction	nal scrim reinfo	rcement
	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	138 lbf MD
1" Tensile Elongation @ Break % (Film Break)	ASTM D 7003	550 MD 550 DD	750 MD 750 DD	550 MD	750 MD	84 lbf DD 550 MD	105 lbf DD 750 MD
1" Tensile Elongation @		20 MD		550 DD	750 DD	550 DD	750 DD
Peak % (Scrim Break)	ASTM D 7003	20 MD	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
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	118 lbf DD 257 lbf MD
Trapezoid Tear	ASTM D 4533	120 lbf MD 120 lbf DD	146 lbf MD 141 lbf DD	130 lbf MD	189 lbf MD	220 lbf DD 160 lbf MD	258 lbf DD 193 lbf MD
Dimensional Stability	ASTM D 1204	<1		130 lbf DD	172 lbf DD	160 lbf DD	191 lbf DD
Puncture Resistance	ASTM D 4833	50 lbf	<0.5	<1	<0.5	<1	<0.5
Maximum Use Temperature	1000		64 lbf	65 lbf	83 lbf	80 lbf	99 lbf
Minimum Use Temperature		180° F					
D = Machine Direction		-70° F					



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

### 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

RAVEN INDUSTRIES

08/06

### 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 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 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

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 or alterations made by Purchaser unless Raven Industries Inc. specifically authorized, in writing, said repairs, replacement, modifications 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 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 multifled 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 inspections will include the items listed above and will be maintained for five
- 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 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 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.
- 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 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 100 mg/kg; and the 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