#### District I

1625 N French Dr., Hobbs, NM 88240

1301 W Grand Ave , Artesia, NM 88210

District III

1000 Rio Brazos Rd, Aztec, NM 87410

District IV

State of New Mexico Energy Minerals and Natural Resources

> Department Oil Conservation Division 1220 South St. Francis Dr.

> > Santa Fe, NM 87505

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

Form C-144

For permanent pits and exceptions submit to the Santa Fe Environmental Bureau office and provide a copy to the

Lined

Volume:

Liner Type

#### appropriate NMOCD District Office 1220 S St Francis Dr , Santa Fe, NM 87505 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 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 OGRID#: 217817 Address: PO Box 4289, Farmington, NM 87499 Facility or well name: SAN JUAN 32-7 UNIT 18M API Number: 30-045-34507 OCD Permit Number: U/L or Qtr/Qtr: O(SW/SE) Section: 5 Township: 31N Range: County: Rio Arriba Center of Proposed Design: Latitude: 36.923126 ٥N 107.591249 °W NAD: ☐ 1927 🗓 1983 Longitude: Surface Owner: Private Tribal Trust or Indian Allotment X Federal State Pit: Subsection F or G of 19.15.17 11 NMAC Drilling Workover Temporary. Permanent Emergency Cavitation P&A Thickness \_\_\_\_\_ mil LLDPE HDPE PVC Other Unlined Liner type: String-Reinforced Welded Factory Other Liner Seams: Volume: bbl Dimensions L Subsection H of 19 15 17 11 NMAC Closed-loop System: Drilling a new well Workover or Drilling (Applies to activities which require prior approval of a permit or Type of Operation: P&A notice of intent) 22232425 Above Ground Steel Tanks Haul-off Bins Other Drying Pad Unlined PVD Other Lined Liner type. Thickness mil LLDPE HDPE Liner Seams: Welded Factory Other OIL CONS. X Below-grade tank: Subsection I of 19.15.17.11 NMAC 120 · Type of fluid: **Produced Water** bbl Tank Construction material. Metal X Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off Secondary containment with leak detection Visible sidewalls and liner Visible sidewalls only Other

Alternative Method:

X Other

LLDPE

]PVC

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

HDPE

6 . Fencing: Subsection D of 19 15 17.11 NMAC (Applies to permanent pit, temporary pits, and below-grade tanks)							
Chain link, six feet in height, two strands of barbed wire at top (Required if located within 1000 feet of a permanent residence, school, hospital, institution or church)  Four foot height, four strands of barbed wire evenly spaced between one and four feet							
X Alternate Please specify 4' hogwire fence with a single strand of barbed wire on top.							
Netting: Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks)		ŧ					
Screen Netting Other							
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 Operator's name, site location, and emergency telephone numbers							
X Signed in compliance with 19.15.3.103 NMAC							
Administrative Approvals and Exceptions:  Justifications and/or demonstrations of equivalency are required. Please refer to 19 15 17 NMAC for guidance							
Please check a box if one or more of the following is requested, if not leave blank:							
Administrative approval(s): Requests must be submitted to the appropriate division district of the Santa Fe Environmental Bureau office for cons (Fencing/BGT Liner)	deration of ap	proval.					
Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.							
10							
Siting Criteria (regarding permitting): 19.15.17.10 NMAC Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptable source material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau Office for consideration of approval. Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria does not apply to drying pads or above grade-tanks associated with a closed-loop system.							
Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank.  NM Office of the State Engineer - tWATERS database search; USGS; Data obtained from nearby wells	Yes	XNo					
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other watercourse, lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).  - Topographic map; Visual inspection (certification) of the proposed site	Yes	X No					
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.	Yes	XNo					
(Applies to temporary, emergency, or cavitation pits and below-grade tanks)	□NA						
- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image		:					
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.  (Applied to permanent pits)	Yes X NA	No					
- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image							
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	XNo					
- NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site.							
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended	Yes	XNo					
<ul> <li>Written confirmation or verification from the municipality; Written approval obtained from the municipality</li> <li>Within 500 feet of a wetland.</li> </ul>	Yes	XNo					
- US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site Within the area overlying a subsurface mine.	Yes	X No					
- Written confirmation or verification or map from the NM EMNRD - Mining and Mineral Division		_					
<ul> <li>Within an unstable area.</li> <li>Engineering measures incorporated into the design; NM Bureau of Geology &amp; Mineral Resources; USGS; NM Geological Society; Topographic map</li> </ul>	Yes	X No					
Within a 100-year floodplain  - FEMA map	Yes	XNo					

Temporary Pits, Emergency Pits and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15 17.9 NMAC Instructions Each of the following items must be attached to the application Please indicate, by a check mark in the box, that the documents are attached							
X Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC							
Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15 17 9							
X   Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15 17 10 NMAC							
X Design Plan - based upon the appropriate requirements of 19.15 17.11 NMAC							
X   Operating and Maintenance Plan - based upon the appropriate requirements of 19 15 17 12 NMAC							
Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15 17.13 NMAC							
Previously Approved Design (attach copy of design)  API							
12							
Closed-loop Systems Permit Application Attachment Checklist: Subsection B of 19.15 17.9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.							
Geologic and Hydrogeologic Data (only for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of 19 15.17 9							
Siting Criteria Compliance Demonstrations (only for on-site closure) - based upon the appropriate requirements of 19.15.17.10 NMAC							
Design Plan - based upon the appropriate requirements of 19 15.17.11 NMAC							
Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC							
Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9							
NMAC and 19.15.17.13 NMAC							
Previously Approved Design (attach copy of design)  API							
Previously Approved Operating and Maintenance Plan API							
13							
Permanent Pits Permit Application Checklist: Subsection B of 19 15.17 9 NMAC							
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.							
Hydrogeologic Report - based upon the requirements of Paragraph (I) of Subsection B of 19.15.17.9 NMAC							
Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC							
Climatological Factors Assessment							
Certified Engineering Design Plans - based upon the appropriate requirements of 19 15.17.11 NMAC							
Dike Protection and Structural Integrity Design: based upon the appropriate requirements of 19.15 17.11 NMAC							
Leak Detection Design - based upon the appropriate requirements of 19.15 17.11 NMAC							
Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15 17.11 NMAC							
Quality Control/Quality Assurance Construction and Installation Plan  Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC							
Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC							
Nuisance or Hazardous Odors, including H2S, Prevention Plan							
Emergency Response Plan							
Oil Field Waste Stream Characterization							
Monitoring and Inspection Plan							
Erosion Control Plan							
Closure Plan - based upon the appropriate requirements of Subsection C of 19 15.17.9 NMAC and 19.15.17.13 NMAC							
14							
Proposed Closure: 19.15.17 13 NMAC Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.							
Type: Drilling Workover Emergency Cavitation P&A Permanent Pit X Below-grade Tank Closed-loop System							
Alternative							
Proposed Closure Method X Waste Excavation and Removal							
Waste Removal (Closed-loop systems only) On-site Closure Method (only for temporary pits and closed-loop systems)							
In-place Burial On-site Trench							
Alternative Closure Method (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration)							
Waste Excavation and Removal Closure Plan Checklist: (19 15 17 13 NMAC) Instructions: Each of the following items must be attached to the closure plan.							
Please indicate, by a check mark in the box, that the documents are attached.   X   Protocols and Procedures - based upon the appropriate requirements of 19.15 17.13 NMAC							
X   Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15 17.13 NMAC							
X   Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings)							
X   Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC							
X   Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC							
X Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17 13 NMAC							

16						
Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: (19.15.17.13.D NMAC) Instructions Please identify the facility or facilities for the disposal of liquids, drilling fluids and drill cuttings. Use attachment if more than two f	àcılıties					
are required  Disposal Facility Name  Disposal Facility Described.						
Disposal Facility Name. Disposal Facility Permit #:						
Disposal Facility Name.  Disposal Facility Permit #:  Will any of the proposed closed-loop system operations and associated activities occur on or in areas that will not be used for future service and operations?						
Yes (If yes, please provide the information No  Required for impacted areas which will not be used for future service and operations						
Soil Backfill and Cover Design Specification - based upon the appropriate requirements of Subsection H of 19.15.17 13 NMAC  Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC						
Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC						
17						
Siting Criteria (Regarding on-site closure methods only: 19 15.17 10 NMAC						
Instructions: Each siting criteria requires a demonstration of compliance in the closure plan Recommendations of acceptable source material are provided belocertain siting criteria may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to the for consideration of approval Justifications and/or demonstrations of equivalency are required Please refer to 19 15 17 10 NMAC for guidance						
Ground water is less than 50 feet below the bottom of the buried waste	Yes No					
- NM Office of the State Engineer - tWATERS database search; USGS. Data obtained from nearby wells	N/A					
Ground water is between 50 and 100 feet below the bottom of the buried waste	Yes No					
- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	∐ <sup>N/A</sup>					
Ground water is more than 100 feet below the bottom of the buried waste.  - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes No					
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).	Yes No					
- Topographic map; Visual inspection (certification) of the proposed site	Yes No					
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.  - Visual inspection (certification) of the proposed site; Aerial photo; satellite image  .						
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering	Yes No					
purposes, or within 1000 horizontal fee of any other fresh water well or spring, in existence at the time of the initial application.  - NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site						
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended.  - Written confirmation or verification from the municipality; Written approval obtained from the municipality	Yes No					
Within 500 feet of a wetland  - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	Yes No					
Within the area overlying a subsurface mine.	Yes No					
- Written confirantion or verification or map from the NM EMNRD-Mining and Mineral Division						
Within an unstable area Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society,	Yes No					
Topographic map						
Within a 100-year floodplain FEMA map	Yes No					
18 On Site Cleanus Blow Cheeldigt. (10.15.17.12 NIMAC) Instructions. Each of the following items must be extracted to the clean	na nian Diagonio di Alenti					
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must bee attached to the closury by a check mark in the box, that the documents are attached.	re pian. Fiease inaicaie,					
Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19 15.17.10 NMAC						
Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection F of 19.15.17 13 NMAC						
Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of 19 15 17.11 NMAC						
Construction/Design Plan of Temporary Pit (for in place burial of a drying pad) - based upon the appropriate requirements of	19.15 17 11 NMAC					
Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC  Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15 17.13 NMAC						
Waste Material Sampling Plan - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC						
Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards ca	unnot be achieved)					
Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC						
Re-vegetation Plan - based upon the appropriate requirements of Subsection 1 of 19.15.17 13 NMAC	,					
Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC						

19			
Operator Application	Certification:		
I hereby certify that the in	formation submitted with this application is true, a	accurate and complete to the	best of my knowledge and belief
Name (Print):	Crystal Tafoya	Title	Regulatory_Technician
Signature ——	to Talona	Date:	10/22/2009
e-mail address:	crystal tafoya@conocophillips.com	Telephone:	505-326-9837
- Han ada 633.			
20			
	Permit Application (including closure plan)	Closure Plan (only)	OCD Conditions (see attachment)
<del></del>	. 10		11/0/0
OCD Representative S	Signature: 73-11-15-1111		Approval Date:
Title:	Endivo/spec	OCD Pern	nit Number:
	znotor, spa		
21			
Closure Report (requi	ired within 60 days of closure completion):	Subsection K of 19 15 17 13 NMAC	
Instructions: Operators as	re required to obtain an approved closure plan pri	or to implementing any closi	ire activities and submitting the closure report. The closure
	· · · · · · · · · · · · · · · · · · ·	-	s Please do not complete this section of the form until an
approvea ciosure pian ha.	s been obtained and the closure activities have bee	· —	
		Closur	e Completion Date:
22			
Closure Method:			
Waste Excavation	and Removal On-site Closure Method	Alternative Closure	Method Waste Removal (Closed-loop systems only)
If different from a	approved plan, please explain.		
, and the second	pprovide planty produce employment		
23	W ( P I I I F C I I I C	· m · ree · · · · · · ·	A Charl Theology IV. A CCP of Col.
	ng Waste Removal Closure For Closed-loop Sys		round Steet Tanks or Haut-off Bins Unity: ings were disposed. Use attachment if more than two facilities
were utilized.	ify the facility of facilities for where the liquids,	arming jianas ana arm cum	ngs were uisposed. Ose uittenment if more than two faculties
Disposal Facility Nam	e:	Disposal Facility	Permit Number:
Disposal Facility Nam	e ————————————————————————————————————	Disposal Facility	Permit Number:
Were the closed-loop s	system operations and associated activities perforn	ned on or in areas that will ne	of be used for future service and opeartions?
Yes (If yes, please	e demonstrate complilane to the items below)	No	
Required for impacted	l areas which will not be used for future service an	d operations:	
	(Photo Documentation)	•	
Soil Backfilling an	nd Cover Installation		
Re-vegetation App	plication Rates and Seeding Technique		
24			
	tachment Checklist: Instructions: Each of the	following items must be atte	nched to the closure report. Please indicate, by a check mark in
the box, that the docu	ments are attached.		
Proof of Closure	e Notice (surface owner and division)		
_	lotice (required for on-site closure)		
Plot Plan (for on	n-site closures and temporary pits)		
Confirmation Sa	ampling Analytical Results (if applicable)		
Waste Material	Sampling Analytical Results (if applicable)		
	y Name and Permit Number		
	and Cover Installation		
	pplication Rates and Seeding Technique		
	n (Photo Documentation)		
On-site Closure		Longitude:	NAD
			The first control of the control of
25 Operator Closure Cer	rtification:		•
		osure report is ture, accurate	and complete to the best of my knowledge and belief. I also certify that
	all applicable closure requirements and condition	•	
•	-		
Name (Print):		Title:	
Signature ·		Date:	
e-mail address		Telephone:	<i>/</i> *



# New Mexico Office of the State Engineer Water Column/Average Depth to Water

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

	, (qu	arte	rs e	re s	small	est to l	argest)	(NAD83 UTI	A in meters)	(	(In feet)	
		Street and the	Q	Street of	1.00 X 100 X 100 X		Б		į	epth D	epth \	Vater
POD Number	County	04	il 6	4	Sec	IWS	Kug	<u>У</u>	Ý	MAGILA	vatere	oinmu
SJ 03355	Sạn Juạn	1	1	1	28	31N	0.7W	269659	4084335	<b>57</b> Ò	<b>470</b>	1.00
SJ 03426	Sán Juan	4	2	1	14	31N	07W	273560	4087251	540	420	120
-SJ 03649	San Juan		4	1	02	31N	07W	273538	4090167	600	300	300
Record Count: 3	•								Average Dept	h to Wat	er: 396 f	eet .

Minimum Depth: 300 feet
Maximum Depth: 470 feet



### New Mexico Office of the State Engineer Water Column/Average Depth to Water

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

(quarters are smallest to largest) (NAD83 UTM in meters)

--(In feet)\_\_\_\_\_

POD Number	Q G County : 641	Q 6 4	Sec	Tws Rng	X.	D Y	epth Depth Water Well Water Column
S.I.01612	San Juan	3	34	32N 07W	272046	4090671	800

SJ 03117

San Juan

2 2 2 07 32N 07W

268539

4097978

240

Record Count: 2

Average Depth to Water: null feet

Minimum Depth: null feet

Maximum Depth: null feet

ConocoPhillips **TOPO MAP** SAN JUAN 32-7 UNIT 18M 32N 7W **SAN JUAN 32-7 UNIT 219A** =6700 **ELEVATION 6599'** GW @ 140' SAN JUAN 32-7 UNIT 18M **ELEVATION 6609'** 66AN JUAN 32-7 219A SAN JUAN 327 UNIT 18M Data Source NAD\_1983\_SP\_ NM West\_FIPS\_ 1:12,000 Aerial flown locally Sedgewick in 2005 Wetlands Data Aquired from U.S Fish **iWaters** iWaters 200FT 500FT X SEC 3003

and Wildlife Http://wetlandswms.er.usgs gov USGS Topo



COP

X QTR-QTR X QTR-QTR-QTR 0 250 500 1.000

Feet

Mar 17, 2009

### OCD CATHODIC PROTECTION DEEPWELL GROUNDBED REPORT DATA SHEET: NORTHWESTERN NEW MEXICO

OPERATOR: ConocoPhillips CO: FARMINGTON, NM 87401

SUBMIT 2 COPIES TO O.C.D. AZTEC OFFICE	F	PHONE: 599-3400
LOGATION INFORMATION	API Majnber	3004532339
WELL MARKE OR PEPELINE SERVED: 32-7 219A V LEGAL LOCATION	P-5-31-7	DISTALLATION RATE 4/7/2005
PPCQ RECTHER NO. FM-0892 ABBITIONAL WELLS: N/A		
TYPE OF LEASE. FEDERAL LEASE MUMBER S	F078765	
GROUND BED INFORMATION	<del></del>	
TOTAL BEPTRE 340 CASING DIAMETER 8-IN TYPE OF CASING	CASING BEF	TIL 20 CASING CERSENTER:
TRP AMORE REPTIL: 200 ROTTOM ANDRE DEPTH: 310		<i>I</i>
AKON: DEPIRE: 200,230,240,250,260,270,280,290,300,3	10	
AMBERT OF POICE 2500#		FEB 2006
WATER INFORMATION		FEB 2006 RE VED OIL COMS DIV
WATER DEPTH (IL 140 WATER DEPTH (2)		DIST S
CEMIENT PLUGS:		
OTHER INFORMATION		
TOP OF VENT PERFORATIONS: 140 VENT POPE DEPTIL 340		
REMARKS: START UP ON 6-14-05, STATIC READ -: 846	<del></del>	

IF ANY OF THE ABOVE DATA IS UNAVAILABLE, PLEASE INDICATE SO. COPIES OF ALL LOGS, INCLUDING DRILLERS LOGS, WATER ANALYSIS, AND WELL BORE SCHEMATICS SHOULD BE SUBMITTED WHEN AVAILABLE. UNPLUGGED UNABANDONED WELLS ARE TO BE INCLUDED:

\*- LAND TYPE MAY BE SHOWN: F-FEDERAL; I-INDIAN; S-STATE; P-FEE IF FEDERAL OR INDIAN, ADD LEASE NUMBER.

Tuesday, January

UNITED STATES DEPARTMENT OF THE INTERIOR Form 3160-4 FORM APPROVED (August 1999) OMB No. 1004-0137 **BUREAU OF LAND MANAGEMENT** Expires: November 30, 2000 WELL COMPLETION OR RECOMPLETION REPORT AND LOG NMSF078996 la. Type of Well Oil Well Oas Well Dry Other: CBM 6. If Indian, Allottee or Tribe Name Work Over New Well □ Deepen Plug Back Diff. Resvr. b. Type of Completion 7. Unit or CA Agreement Name and No. Contact: JUANITA FARRELL E-Mail: Juanita r farrell Conoccophillips, com 2. Name of Operator
CONOCOPHILLIPS COMPANY Lease Name and Well No. SAN JUAN 32-7 UNIT 219A 3. Address P.O. BOX 2197, WL 6106 HOUSTON, TX 77252 3a. Phone No. (include area sode) 9. API Well No. 30-045-32339 Location of Well (Report location clearly and in accordance with Federal requirements
 Sec 5 T31N R7W Mer NMP
 At surface SESE 935FSL 1085FEL 10. Field and Pool, or Exploratory
BASIN FRUITLAND COAL Dien a 11. Sec., T., R., M., or Block and Survey or Area Sec 5 T31N R7W Mer NMP At top prod interval reported below 12. County or Parish SAN JUAN 13. State At total depth 14. Date Spudded 07/15/2004 Date T.D. Reached 07/30/2004 17. Elevations (DF, KB, RT, GL)\* 6. Date Comp D & A 52 08/19/2004 6599 GL 18. Total Depth: 19. Plug Back T.D.: 20. Depth Bridge Plug Set: 21. Type Electric & Other Mechanical Logs Run (Submit copy of each) MUD LOGS Was well cored? No No No Yes (Submit analysis)
Yes (Submit analysis)
Yes (Submit analysis) Yes (Submit analysis) Was DST run? Directional Survey? 23. Casing and Liner Record (Report all strings set in well) Bottom' Stage Cementer No. of Sks. & Slurry Vol. Hole Size Size/Grade Wt. (#/ft.) Cement Top\* Amount Pulled (MD) (MD) Depth (BBL) Type of Cement 12.250 9.625 H-40 32.0 240 8.750 7.000 J-55 20.0 3187 550 6.250 5.500 J-55 3118 3474 24. Tubing Record Depth Set (MD) Packer Depth (MD) Depth Set (MD) Packer Depth (MD) Depth Set (MD) Packer Depth (MD) 2.375 25. Producing Intervals 26. Perforation Record Formation Top Bottom Perforated Interval Size No. Holes Perf. Status AGASIN FRUITLAND COAL 3210 3210 TO 3472 216 OPEN B) C) D) 27. Acid, Fracture, Treatment, Cement Squeeze, Etc. Depth Interval Amount and Type of Material 28. Production - Interval A Date Pire Oil Gravity Corr. API MCF BBL BBL Gravity Tested 08/14/2004 0.0 1991.0 0.0 Choke Well Status Gas MCF Gas:Oil The Press 24 Hr BBL

Date Fus Oil Gravity Corr. API Oil BBL Gus MCF Wate BBL ACCEPTED FOR RECORD Production Tested Gravitiv Tog. Press. Flog. Choke 24 Hs. GucÖil Well Status MCP BBL BBL SFP 1 4 2004 (See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #35688 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

\*\*\* OPERATOR-SUBMITTED \*\*\* OPERATOR-SUBMITTED \*\*\* OPERATOR-SUBMITTED \*\*\* FARMINGION GIELD OFFICE

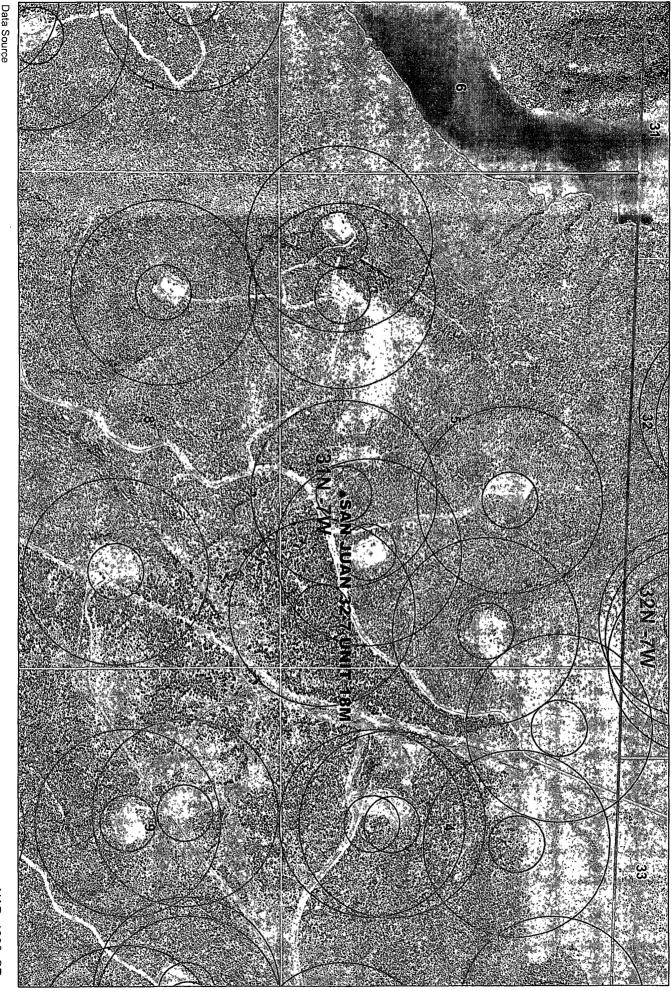
2" PITOT

28a. Produ

SI

tion - Interval

42.0



Data Source
Aerial flown locally Sedgewick in 2005.
Wetlands Data Aquired from U.S. Fish
and Wildlife Http://wetlandswms.er.usgs.gov
USGS Topo

] 1000FT 300FT

City Limits

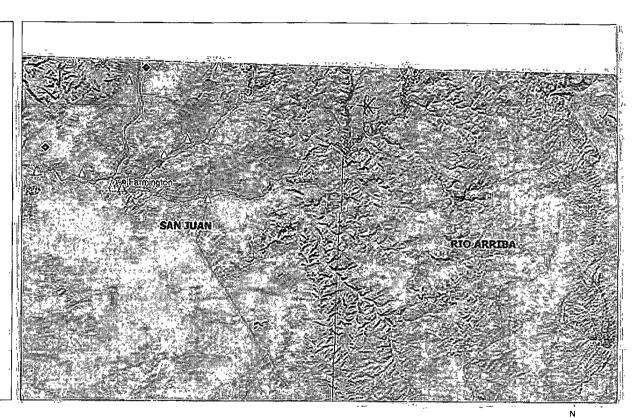
0 250500 1,000 1:12,000

NAD\_1983\_SP\_ NM West\_FIPS\_ 3003

### SAN JUAN 32-7 UNIT 18M Mines, Mills & Quarries

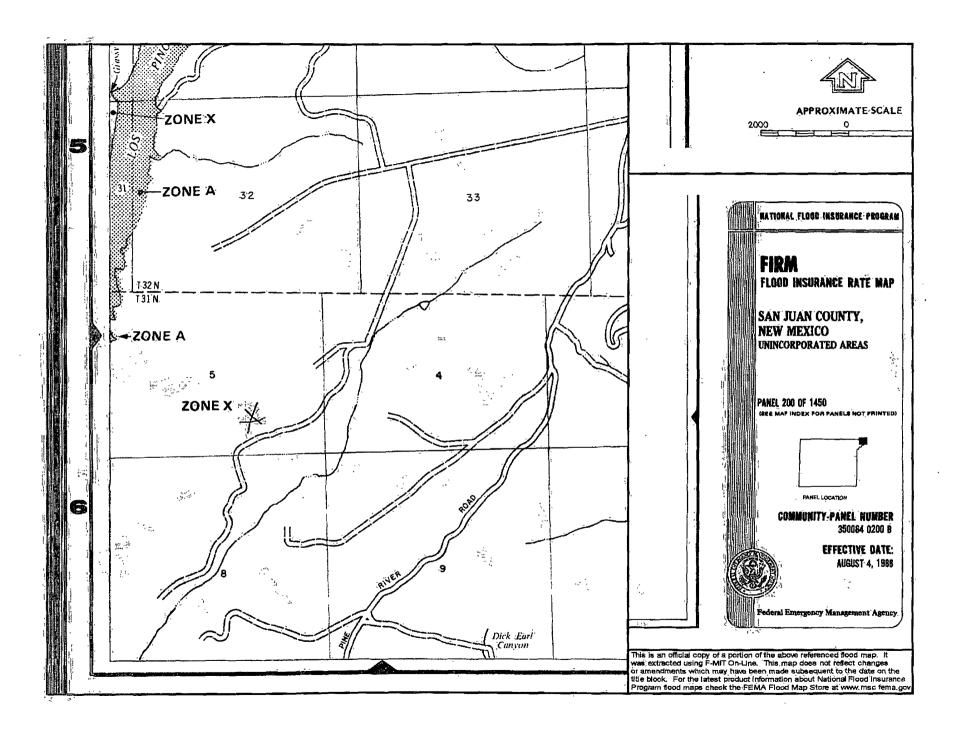


Mines, Mills &	Quarries Commodity Groups
Ã,	Aggregate & Stone Mines:
•	Coal Mines
	Industrial Minerals Mines
<sup>1</sup> .	Industrial Minerals Mills
	Metal Mines and Mill Concentrate
	Potash Mines & Refinerles
	Smelters & Refinery Ops.
••	Uranium Mines
· 📆	Úranjum Mills
Population	
•	Cities - major
Transportation	1
+	Railways
Formation >	Interstate Highways
* State - State	Major Roads
	Main .









#### Hydrogeological report for San Juan 32-7 Unit 18M

#### 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.

#### Siting Criteria Compliance Demonstration & Hydro Geologic Analysis

The San Juan 32-7 Unit 18M is not located in an unstable area. The location is not over a mine and is not on the side of a hill as indicated on the Mines, Mills and Quarries Map and Topographic Map. The location of the excavated pit material will not be located within 300' of any continuously flowing watercourse or 200' from any other watercourse as indicated on the Topographic Map. The location is not within a 100-year floodplain area as indicated on the FEMA Map. The Cathodic well data from the San Juan 32-7 Unit 219A has an elevation of 6599' and groundwater depth of 140'. The subject well has an elevation of 6609' which is greater than the San Juan 32-7 Unit 219A, therefore the groundwater depth is greater than 140'. There are no iWATERS data points located in the area as indicated on the TOPO Map. The hydro geologic analysis indicates the groundwater depth and the San Jose formation will create a stable area for this new location.

## 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.
- 2. 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.
- 4. COPC will construct a screened, expanded metal covering, on the top of the BGT.
- 5. COPC shall ensure that a below-grade tank is constructed of materials resistant to the below-grade tank's particular contents and resistant to damage from sunlight as shown on design drawing and specification sheet.
- 6. 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.

#### 2) SWABLINE DRAIN LINE 3) ENVIROMENTAL DRAIN LINE FROM COMPRESSOR SKID DRAIN FROM **SEPARATORS** AUTOMATED OPERATION 1) VENT VALVE DRAIN LINE 2) DUMP LINE FROM SEPARATORS **SWABLINE** 3) AUTOMATIC SHUT OFF LSHH ACTIVATES AT 10' FROM TOP OF TANK VENT LINE ENVIROMENTAL DRAIN LINE 3' TRUCK LOADOUT CONNECTION SLOPE TO DRAIN TO RTU -TRUCK GROUND CONNECTION EXPANDED METAL COVER TO RTU :-DRAIN LINES (LSHH FROM TANKS HINGED MANWAY 3' TRUCK LUAD LINE ΠRIGINAL GRADE CORROGATED RETAINING WALL HEIGHT 56' 4" SLOTTED 'SUPER MUFFLER' SA-36 3/16" PLATE SA-36 1/4" PLATE **DURASKRIM J45** ထို **IMPERMEABLE** LINER FOR VISIBLE တီ LEAK DETECTION

### ConocoPhillips

PROPERLY
CONSTRUCTED
FOUNDATION VOID OF
ANY SHARP OBJECTS

San Juan Business Unit

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

MANUAL OPERATION

1) PRODUCTION TANKS DRAINLINE

## DURA-SKRIM®

## JRO, JRGE J45

PROPERTIES	TEST METHOD	J80BB		J36BB		J45BB		
		Min. Roll Averages	Typical Roll Averages	Min. Roll Averages	Typical Roll Averages	Min. Roll Averages	Typical Roll Averages	
Appearance		Black	t/Black	Black/	Black	Black/	3lack	
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 ibs (21.74)	168 lbs (24.19)	189 lbs (27.21)	210 lbs (30.24)	
Construction		**Extr	usion laminated	with encapsular	ed tri-direction	al scrim reinforc	ement	
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) Fear 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** 



#### RAVEN INDUSTRIES INC. EXPOSED GEOMEMBRANE LIMITED WARRANTY

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

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

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

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

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

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

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

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

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

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

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

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

#### General Plan:

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

### ConocoPhillips Company San Juan Basin Below Grade Tank Closure Plan

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

#### General Requirements:

- 1. COPC shall close a below-grade tank within the time periods provided in Subsection A of 19.15.17.13 NMAC. This will include a) below-grade tanks that do not meet the requirements of Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC or is not included in Paragraph (5) of Subsection I 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.
- 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.
- 4. If there is any on-site equipment associated with a below-grade tank, then COPC shall remove the equipment, unless the equipment is required for some other purpose.
- 5. COPC shall test the soils beneath the below-grade tank to determine whether a release has occurred. COPC shall collect, at a minimum, a five point, composite sample; collect individual grab samples from any area that is wet, discolored or showing other evidence of a release; and analyze for BTEX, TPH and chlorides to demonstrate that the benzene concentration, as determined by EPA SW-846 methods 8021B or 8260B or other EPA method that the division approves, does not exceed 0.2 mg/kg; total BTEX concentration, as determined by EPA SW-846 methods 8021B or 8260B or other EPA method that the division approves, does not exceed 50 mg/kg; the TPH concentration, as determined by EPA method 418.1 or other EPA method that the division approves, does not exceed 100 mg/kg; and the chloride concentration, as determined by EPA method 300.1 or other EPA method that the division approves, does not exceed 250 mg/kg, or the background concentration, whichever is greater. COPC shall notify the division of its results on form C-141.

- 6. If COPC or the division determines that a release has occurred, then COPC shall comply with 19.15.3.116 NMAC and 19.15.1.19 NMAC, as appropriate.
- 7. If the sampling program demonstrates that a release has not occurred or that any release does not exceed the concentrations specified in Paragraph (4) of Subsection E of 19.15.17.13 NMAC, then COPC shall backfill the excavation with compacted, non-waste containing, earthen material; construct a division-prescribed soil cover; recontour and re-vegetate the site.
- 8. Notice of Closure will be given prior to closure to the Aztec Division office between 72 hours and one week via email or verbally. The notification of closure will include the following:
  - i. Operator's name
  - 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