State of New Mexico **Energy Minerals and Natural Resources**

Form C-144 July 21, 2008

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

District IV 1220 S 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

4	4	29
	1	

API Number:

Temporary.

Lined

Liner Seams:

Lined

Liner Seams:

Volume:

Liner Type:

Pit, Closed-Loop System, Below-Grade Tank, or Proposed Alternative Method Permit or Closure Plan Application X Permit of a pit, closed-loop system, below-grade tank, or proposed alternative method Type of action: 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. Not does approval telieve 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 Com 20 30-045-33698 OCD Permit Number: U/L or Qtr/Qtr: K(NE/SW) Section: 31N Township: County: San Juan Range: 36.89596 107.61616 Center of Proposed Design: Latitude: Longitude: °W NAD: [Private Tribal Trust or Indian Allotment Surface Owner: State X Federal Pit: Subsection F or G of 19.15.17 11 NMAC Drilling Workover Permanent Emergency Cavitation P&A Thickness mil LLDPE HDPE PVC Other Unlined Liner type: String-Reinforced Welded Factory Closed-loop System: Subsection H of 19.15.17.11 NMAC P&A Drilling a new well Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent) Above Ground Steel Tanks Haul-off Bins Drying Pad Other LLDPE HDPE PVD Other Unlined Liner type Thickness mil Welded Factory Other X Below-grade tank: Subsection I of 19.15.17.11 NMAC 120 bbl Type of fluid: **Produced Water** Tank Construction material: Metal Secondary containment with leak detection X Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off Visible sidewalls and liner Visible sidewalls only Other □ HDPE IPVC Thickness 45 mil X Other LLDPE Alternative Method:

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

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 wise 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) 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 consecution (Fencing/BGT Liner) Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.	sideration of ap	pproval					
Siting Criteria (regarding permitting): 19.15.17.10 NMAC Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptable source material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau Office for consideration of approval. Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria does not apply to drying pads or above grade-tanks associated with a closed-loop system.							
Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes	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	XNo					
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) - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	□NA						
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. (Applied to permanent puts) - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	Yes X NA	□No					
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 search; Visual inspection (certification) of the proposed site.	_	_					
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended - Written confirmation or verification from the municipality: Written approval obtained from the municipality	Yes	XNo					
 Written confirmation or verification from the municipality; Written approval obtained from the municipality Within 500 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site 	Yes	XNo					
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD - Mining and Mineral Division	Yes	XNo					
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society, Topographic map	Yes	X No					
Within a 100-year floodplain	Yes	XNo					

Form C-144 Oil Conservation Division Page 2 of 5

Temporary Pits, Emergency Pits and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.
Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15 17.9 NMAC
Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15 17.9
Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19 15.17.10 NMAC
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) APIor Permit
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
String 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
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)
Wasta Evacuation and Remayal Clasura Plan Charlists (10.15.17.13 NIMAC) Instructions, Each of the following items must be attrached to the elecure plan
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
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 1 of 19.15 17.13 NMAC

Form C-144 Oil Conservation Division Page 3 of 5

16	Ì						
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	facilities						
are required	,						
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 NMA Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15 17.13 NMAC	ic i						
Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15 17.13 NMAC							
17 <u>Siting Criteria (Regarding on-site closure methods only:</u> 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 bel	ow 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 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 - IWATERS 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	N/A						
Ground water is more than 100 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}						
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or playa lake	☐Yes ☐No						
(measured from the ordinary high-water mark).							
- Topographic map; Visual inspection (certification) of the proposed site							
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.	Yes No						
- 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.	Yes No						
- Written confirmation or verification from the municipality; Written approval obtained from the municipality Within 500 feet of a wetland							
- US Fish and Wildlife Wetland Identification map, Topographic map; Visual inspection (certification) of the proposed site	Yes No						
Within the area overlying a subsurface mine.	Yes No						
- Written confiramtion or verification or map from the NM EMNRD-Mining and Mineral Division							
Within an unstable area.	Yes No						
 Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map 							
Within a 100-year floodplain - FEMA map	Yes No						
18							
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closury a check mark in the box, that the documents are attached.	re plan. Please indicate,						
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	nnot be achieved)						
Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC							
Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC							

Operator Application Certification:			
I hereby certify that the information submitted with this application	ntion is true, accurate and complete to the	e best of my knowledge and belief.	
Name (Print): Dollie L Busse	Title:	Staff Regulatory Technician	ļ
Signature Alley	Date	11/18/09	
e-mail address: dollie.l.busse conocophilli	ps.com Telephone	505-324-6104	
20			
OCD Approval: Rermit Application (including clos	ure plan) Closure Plan (only)	OCD Conditions (see attachment)	
OCD Representative Signature:	Sell	Approval Date: $/- \leq -/\odot$	
Title: Envirolspec	OCD Peri	mit Number:	
	OCD Tell	mit Aumoet.	
Closure Report (required within 60 days of closure co Instructions Operators are required to obtain an approved clo report is required to be submitted to the division within 60 day, approved closure plan has been obtained and the closure activ	sure plan prior to implementing any clos s of the completion of the closure activiti ities have been completed.	sure activities and submitting the closure report. The closure	
22			
Closure Method: Waste Excavation and Removal On-site Clo	osure Method Alternative Closure	e Method	
If different from approved plan, please explain.	·		
23 Closure Report Regarding Waste Removal Closure For Clo Instructions: Please identify the facility or facilities for where were utilized.		round Steel Tanks or Haul-off Bins Only: lings were disposed. Use attachment if more than two facilities	
Disposal Facility Name:	Disposal Facility	y Permit Number:	İ
Disposal Facility Name:		y Permit Number:	
Were the closed-loop system operations and associated action Yes (If yes, please demonstrate compliant to the items	_	of be used for future service and operations?	
Required for impacted areas which will not be used for futu	re service and operations:		
Site Reclamation (Photo Documentation) Soil Backfilling and Cover Installation			
Re-vegetation Application Rates and Seeding Technique	e		
Closure Report Attachment Checklist: Instructions: the box, that the documents are attached. Proof of Closure Notice (surface owner and division Proof of Deed Notice (required for on-site closure) Plot Plan (for on-site closures and temporary pits) Confirmation Sampling Analytical Results (if applimate Waste Material Sampling Analytical Results (if applimate Disposal Facility Name and Permit Number Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Tech Site Reclamation (Photo Documentation) On-site Closure Location: Latitude:	on) icable) plicable)	nached to the closure report. Please indicate, by a check mark in	,
25			
Operator Closure Certification: I hereby certify that the information and attachments submitted the closure complies with all applicable closure requirements a		and complete to the best of my knowledge, and belief. I also cert closure plan.	tify that
Name (Print)	Title:	,	
Signature:	Date:		
e-mail address.	Telephone:		



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

No records found.

PLSS Search:

Section(s): 7, 8, 17, 18, 19, **Township**: 31N **Range**: 07W

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, or suitability for any particular purpose of the data.



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)

Q Q Q County 64 16 4 Sec Tws Rng basin Use

SJ 01167

3 4 4 24 31N 08W

266352 4084410*

Average Depth to Water:

390 feet

Minimum Depth:

390 feet

Maximum Depth: 390 feet

Record Count: 1

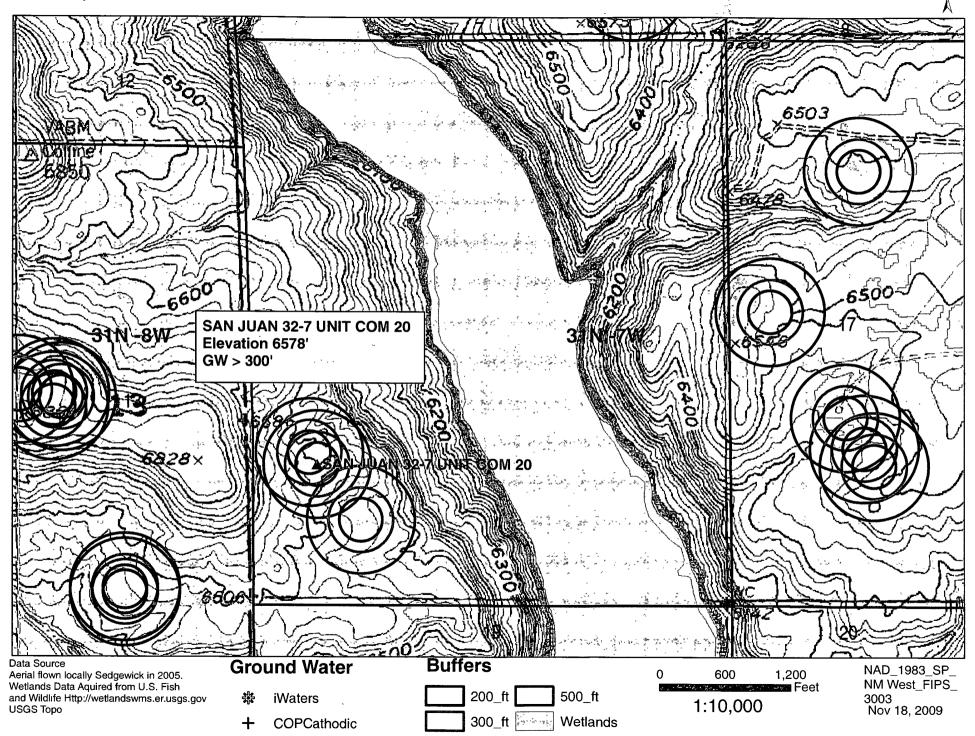
PLSS Search:

Section(s): 12, 13, 24

Township: 31N

Range: 08W

*UTM location was derived from PLSS - see Help



RECEIVED

Form 3160-4	\$						N 0 2 000	,SUBM	IT IN OUPLICATE		FOR.	AFPROVED
(October 1890)	-			UNITE		TATES JU	IN 27 ZUU	Ŏ	IT IN DUPLICATE* (639 Stherin- structions on		OMB N	O. 1004-0137
•		1				THE INTERI			(gverse side)			ecember 31, 1991
			BI	JREAU OF L	AND I	MANAGEMENT	Land Mana	iden.,	ů, ri	6. LE	ASE DESIGNATI	ON AND SERIAL NO.
		· *					gton Field C				SF-078998	<u> </u>
		ETION O	RR		ETI	ON REPO	ORT AND	LO	G*	6. IF	INDIAN, ALLOTI	EE OR TRIBE NAME
ta. TYPE OF	WELL:	V.	ETT (WELL X	(ORN' DRW						
b. TYPE OF	COMPLETE	ON:								7 U	AGREEMENT	NAME 32-7 Unit Needs C
	NEW Y	WORK [77]	EEF-EM	PLUG		DEFEND DON				8. FA	RMORLEASEN	WHE WELL NO.
	METY T	OVER L	1	BACK	י נ	RESVROther			-		Can luan	32-7 Unit Com 20
2 NAME OF	OPERATO	Ř								9. 45	WELL NO.	32-7 Gint Cont 20
Co	nocoPh/	liips										198 - aeca
3. ADDRESS	AND TELE	PHONE NO		··· ··································						10 F	ELD AND POUL	OR WILDCAT
		9, Farmington				326-9700				<u> </u>		ota/Blanco MV
			•			th any State requi	rements)"					R BLOCK AND SURVEY
Soshua 1A	Gn	it K (NWSW)	1340	FSL, 665' FV	NL.) `	OR AREA	AI D-DAY AIMAPIAN
Al lan ame	el Inhantest en	NE world between		Come no	~h ~~							N RTW, NMPM
At top proc	7. H 1101 AST 16	ported below		Same es	POGE	3						0 JUL 1 '08
At folal de	oth Sa	me as above								1	OIL	CONS. DIV.
						August Alad P						DIST. 3
					114. F	ERMIT NO.	DATE ISSUE	ED T			COUNTY OR	13. STATE
					1		j				an Juan .	New Mexico
	DOED 15.	DATE T.D. REAL	CHED	1		L. (Ready to prod.)			LEVATIONS (DP. F	KB, RT,	BR, ETC.)*	ID ELEV. CASINGHEAD
4/22/08 20 TOTAL DEP	100.00	5/8/08	10.01	CKTD, MOLTV	/14/01			GL.	6578'	KB	6593'	
20 JOHAL LAEP	- I F1. NALJ EL I V	27. 22	JG, UN	CK I (I, MOLE) V	"	22. IF MULTIPLE C			VTERVALS DRILLED BY	ROTA	RY TOOLS	CABLE TOOLS
8147			147'			2		ľ		Yes		1
24 PRODUCTE	ON INTERVA	IL (S) OF THIS CO	MPLE	TTOS, POT-MONT	OM. NA	ME (MD AND TVD)					25. WAS DIREC	
Blanco	Mesaver	de 6157' - 6	07 9 °								SURVEY M	No.
28. TYPE ELEC	TRIC AND C	THER LOGS RUN	1							27. WA	S WELL CORED	
GR/CC	L/CBL									1		No
20.					CA	SING RECORD (/	Report all strings	sel in	wed)			
CASING SIZE	/GRADE	WEIGHT, LEUF		DEPTH SET (<u></u> 6	HOLE SIZE			CEMENTING RECO	CPKC		MOUNT PULLED
9 5/8"		32.3#, H40 20#,J-55	<u></u>	704' 3840'		12 1/4" 8 3/4"	surface; 528 surface; 572		(729 cf) (1210 cf)		60 bbls	
							SUMBCO, 7/2					
4 3/2"		11.62, 1.40		8147		6 1/4	TOC 3100": 3					
28.		11.6£, L-80	RREC	8147			TOC 3100"; 3			Ť	US BING RECORE	
	TOP (MD)	11.6£, L-80		8147			30. Size	15 ex	0833 cf)		US USING RECORD) ACKER SET (MD)
28.	TOP (MD)	11.68, L-80 UNE		81477 CORID		5 1/4	30.	15 ex	(633 cf)		US USING RECORD	
29. SØZE		11.68, L-80 UNE BOTTOM (M	(D)	8147* CORD SACKS CEME	:NT°	S 1/4* SCREEN (MD)	30. SiZE 2-3/8" L4, 3	15 93	DEPTH SET	(MD)	48 BING RECORE P	ACKER SET (MD)
28. SIZE 31 PERFORATI .34" @ 1 SP	ION RECORI	11.68, L-80 LINE BOTTOM (M	d numb	8147* CORD SACKS CEME	NI"	5 1/4	30. SiZE 2-3/8" L4, 3	15 sx	DEPTH SET	(MD)	US UBING RECORD P. T SOUBEZE, I	ACKER SET (MD)
SIZE 31 PERFORATI	ION RECORI	11.68, L-80 LINE BOTTOM (M	d numb	8147* CORD SACKS CEME	NI"	5 1/4 SCREEN (MD)	30. SiZE 2-3/8" L4, 3	15 ex D, SH A/10	DEPTH SET 807.4" OT, FRACTURE 808 15% HC 8,000# 20/40 F	CEMENT STATES	BING RECORT PI T SOUSEZE, I C W/47,880 Q	ACKER SET (MD)
SIZE SIZE 31 PERFORATI .34" @ 1 SP PLO/LMF 57	ION RECORI PF 784' -607	11.68, L-80 UNE BOTTOM (A BOTTOM (A O (Intervet, size an 9' = 19 holes	d numo	8147* CORD SACKS CEME	MI.	SCREEN (MD) 32. 5784* - 8076*	30. SiZE 2-3/8" L4, 3	15 9x D, SH A/10 W/10	DEPTH SET 807.4"	CEME) L. Fra Srady :	BING RECORT PI TY SOUSEZE, 5 C w/47,880 G	ACKER SET (MD) ETC. IS 60Q N2 foam
28. SIZE 31 PERFORATI .34" @ 1 SP	ION RECORI PF 784' -607	11.68, L-80 UNE BOTTOM (A BOTTOM (A O (Intervet, size an 9' = 19 holes	d numo	8147* CORD SACKS CEME	MI.	5 1/4 SCREEN (MD)	30. SiZE 2-3/8" L4, 3	15 9x D, SH A/10 W/10 N2 =	DEPTH SET 8074* CT. FRACTURE 8015% HC 80140 E 1,257,500 SC 6016 15% HC	CEMEN L. Frai Brady ! F L. Frai	US BING RECORT PI VI SQUEEZE, S C w/47,380 g. Sand C w/45,738 g.	ACKER SET (MD)
SIZE SIZE 31 PERFORATI .34" @ 1 SP PLO/LMF 57	ION RECORI PF 784' -607 57' - 6891	11.68, L-80 UNE BOTTOM (A BOTTOM (A O (Intervet, size an 9' = 19 holes	d numo	8147* CORD SACKS CEME	MI.	SCREEN (MD) 32. 5784* - 8076*	30. 5/2E 2-9/8" L4, 3	D, SH A/10 W/10 N2 = A/10 w/10	DEPTH SET 807.4"	CEMENT FranKrister	US BING RECORT PI VI SQUEEZE, S C w/47,380 g. Sand C w/45,738 g.	ACKER SET (MD) ETC. IS 60Q N2 foam
SIZE SIZE 31 PERFORATI 34 @ 1 SP PLO/LMF 52 UMF/CH 516	ION RECORI PF 784' -607 57' - 6891	11.68, L-80 UNE BOTTOM (A BOTTOM (A O (Intervet, size an 9' = 19 holes	d numo	8147* CORD SACKS CEME	MI.	SCREEN (MD) 32. 5784* - 8076*	30. 5/2E 2-9/8" L4, 3	D, SH A/10 W/10 N2 = A/10 w/10	033 cf) DEPTH SET 8074'	CEMENT FranKrister	US BING RECORT PI VI SQUEEZE, S C w/47,380 g. Sand C w/45,738 g.	ACKER SET (MD) ETC. IS 60Q N2 foam
SIZE SIZE 31 PERFORATI 34 @ 1 SP PLO/LMF 52 UMF/CH 516	ION RECORI PF 784' -607 57' - 6891	11.68, L-80 UNE BOTTOM (A BOTTOM (A O (Intervet, size an 9' = 19 holes	d numo	8147* CORD SACKS CEME	MI.	SCREEN (MD) 32. 5784' - 6079' \$157' - 5895'	30. SIZE 2-3/8° 41,3	D, SH A/10 W/10 N2 = A/10 w/10	033 cf) DEPTH SET 8074'	CEMENT FranKrister	US BING RECORT PI VI SQUEEZE, S C w/47,380 g. Sand C w/45,738 g.	ACKER SET (MD) ETC. IS 60Q N2 foam
31 PERFORATI 34 @ 1 SP PLO/LMF 57 UMF/CH 518 Total holes 33.	ION RECORI PF 784' -807 57' - 6690 = 41	11.68, 1.40 UNE BOTTOM (b O (interval, size or 3' = 19 holes 6' = 22 holes	d numo	SACKS CEME	M	SCREEN (MD) 32. 5784' - 6079' \$157' - 5895'	30. SIZE 2-3/8F 14,3	D, SH A/10 W/10 W/10 W/10 W/10	033 cf) DEPTH SET 8074'	CEMENT FranKrister	ISOUSEZE, SOUSEZE, SO	ACKER SET (MD) ETC. IS 60Q N2 foam
31 PERFORATI 34 @ 1 SP PLO/LMF 57 UMF/CH 518 Total holes 33. DATE FIRST PRO SI	ION RECORI PF 784' -607 57' - 6691 = 41	11.68, 1.40 UNE BOTTOM (w O (intervet, size en 3" = 19 hotel "PRC	d nume	SACKS CEME SACKS CEME	Gwing.	SCREEN (MD) 32. 5784' - 6079' 5157' - 5695' PR 141 FL pumpos - 677	30. SIZE 2-9/8° 4,3 AC	D, SH A/10 W/10 N2 = A/10 W/10	DEPTH SET. 807.4* OT. FRACTURE. bbis 15% HCI 0,000# 20/40 E 1,257,500 SC 0,000# 20/40 E 1,222,300 SC	CEMEN Frady F. Fra Grady	WELL STATUS	ACKER SET (MD) ETC. SIS 60Q N2 foem SIS 60Q N2 foem Produces or shure)
31 PERFORATI 34 @ 1 SP PLO/LMF 57 UMF/CH 518 Total holes 33.	ION RECORI PF 784' -607 57' - 6691 = 41	11.68, 1.40 UNE BOTTOM (b O (interval, size or 3' = 19 holes 6' = 22 holes	d nume	SACKS CEME	awiig. S	SCREEN (MD) 12. 5784° - 6076° 8157° - 5895°	30. SIZE 2-9/8° 4,3 AC	D, SH A/10 W/10 N2 = A/10 W/10	033 cf) DEPTH SET 8074'	CEMEN Frady F. Fra Grady	ISOUSEZE, SOUSEZE, SO	STC. SIS 60Q N2 foam
31 PERFORATI 34 @ 1 SP PLO/LMF 57 UMF/CH 518 Total holes 33. DATE FIRST PRO SI DATE OF TEST	ION RECORI PF 784' -807 57' - 6890 ≃ 41	11.6s, L-40 UNE BOTTOM (b O (interve), size on 3' = 19 holes 6' = 22 holes	d nume	SIAP SACKS CEME SACKS CEME ON METHOD (FA	Owing. 6	SCREEN (MD) 52. 5784° - 6079° \$157° - 5895° PROPORTING	30. SIZE 2-9/8° 4,3 AC	D. SH-10 W/10 W/10 W/10 W/10 W/10 W/10 W/10 W/	DEPTH SET. 807.4* OT. FRACTURE. bbis 15% HCI 0,000# 20/40 E 1,257,500 SC 0,000# 20/40 E 1,222,300 SC	CEMEN Frady F. Fra Grady	VI SOUSEZE, I VI SOUSEZE, I C W/47,380 G Sand C W/45,738 g Sand VIELL STATUS R 381	ACKER SET (MD) ETC. SIS 6PQ N2 foam SIS 6PQ N2 foam Producing or Share)
31 PERFORATI 34 @ 1 SP PLO/LMF 57 UMF/CH 518 Total holes 33. DATE FIRST PRO SI DATE OF TEST	ION RECORI PF 784' -807 57' - 6890 ≃ 41	11.68, 1.40 UNE BOTTOM (w O (intervet, size en 3" = 19 hotel "PRC	d numb	SACKS CEME SACKS CEME SACKS CEME ON METROD (AK CHOKE SIZE 1/2" CALCULATED	Owing. 6	SCREEN (MD) 52. 5784° - 5076° 5157° - 5895° PR 11 III. Pumpos—SIX	30. SIZE 2-9/8° 4,3 AC	D. SH-10 W/10 W/10 W/10 W/10 W/10 W/10 W/10 W/	DEPTH SET 8074'	CEMENT FranKrady	VI SOUSEZE, I VI SOUSEZE, I C W/47,380 G Sand C W/45,738 g Sand VIELL STATUS R 381	ACKER SET (MD) ETC. SIS 60Q N2 foem SIS 60Q N2 foem Produces or shure)
31 PERFORATION 31 PERFORATION 34" @ 1 SP PLOYLMIF 57 UMF/CH 518 Total holes 33. DATE FIRST PRO SI DATE OF FEST PRO FIRST PRO	ION RECORI FF 784' -607 57' - 5691 = 41	11.58, L-80 UNE BOTTOM (M 3' = 19 holes 5' = 22 holes 1 CASING PRESSU	d numb	SIAP SACKS CEME SACKS CEME ON METHOD (FA	Pricoto Oil	SCREEN (MD) 52. 5784° - 6079° \$157° - 5895° PROPORTING	30. SIZE 2-3/8° 4,3 AC COUCTION 5 and type of pums 50.	D. SH-10 W/10 W/10 W/10 W/10 W/10 W/10 W/10 W/	DEPTH SET 8074' OT, FRACTURE, bbis 15% HCI 0,000# 20/40 F 1,257,700 SC bbis 15% HCI 0,000# 20/48 F 1,222,300 SC	CEMENT FranKrady	VI SOUSEZE, I VI SOUSEZE, I C W/47,380 G Sand C W/45,738 g Sand VIELL STATUS R 381	ACKER SET (MD) ETC. SIS 6PQ N2 foam SIS 6PQ N2 foam Producing or Share)
31 PERFORATI 34 @ 1 SP PLO/LMF 57 UMF/CH 518 Total holes 33. DATE FIRST PRO SI DATE OF TEST	100 RECORI PF 784' -607 57' - 669 = 41	11.68, L-80 LINE BOTTOM (A BOTTOM (A 3' = 19 hotel 3' = 22 hotel DURS YESTED ASING PRESSUI SI - B39#	d nume	SACKS CEME SACKS CEME SACKS CEME CONMETROD (AK CHOKE SIZE 1/2** CALCULATED 24-HOUR RATE	Owing. 6	SCREEN (MD) 52. 5784° - 6079° \$157° - 5895° PROPORTING	30. SIZE 2-3/8F 14.3 AC AC ODUCYKINI B BRITINGS OF DURING	D. SH-10 W/10 W/10 W/10 W/10 W/10 W/10 W/10 W/	DEPTH SET 8074' OT, FRACTURE, bbis 15% HCI 8,000# 20/40 F 1,257,500 SC NCF MCF	CEMENT Frankling	VI SOUSEZE, I VI SOUSEZE, I C W/47,380 G Sand C W/45,738 g Sand VIELL STATUS R 381	ETC. SIS 60Q N2 foam SIS 60Q N2 foam SIS 60Q N2 foam SIS 60Q N2 foam CIL GRAVITY-API (CORR.)
31 PERFORATI 34 @ 1 SP PLO/LMF 57 UMF/CH 518 Total holes 33. CATE FIRST PRO SI DAYE OF TEST 6/6/08 FLOW, TUBING PR	100 RECORI PF 784' -607 57' - 669 = 41	11.68, L-80 LINE BOTTOM (A O (Intervel, size an 3' = 19 hotel 3' = 22 hotel FINAL PROPERTY OF THE CONTROL O	d numb	SACKS CEME SACKS CEME SACKS CEME CONMETROD (AK CHOKE SIZE 1/2** CALCULATED 24-HOUR RATE	Pricoto Oil	SCREEN (MD) 52. 5784° - 6079° \$157° - 5895° PROPORTING	30. SIZE 2-3/8° 4,3 AC COUCTION 5 and type of pums 50.	D. SH-10 W/10 W/10 W/10 W/10 W/10 W/10 W/10 W/	DEPTH SET 8074' OT, FRACTURE, bbis 15% HCI 0,000# 20/40 F 1,257,700 SC bbis 15% HCI 0,000# 20/48 F 1,222,300 SC	CEMENT Frankling	WELL STATUS	ETC. SIS 60Q N2 foam SIS 60Q N2 foam SIS 60Q N2 foam SIS 60Q N2 foam CIL GRAVITY-API (CORR.)
31 PERFORATI 34 @ 1 SP PLO/LMF 57 UMF/CH 518 Total holes 33. CATE FIRST PRO SI DAYE OF TEST 6/6/08 FLOW, TUBING PR	100 RECORI 1784' -807 187' - 6690 - 41	11.6s, L-80 UNE BOTTOM (A O (Interval, size or 3' = 19 holes 6' = 22 holes 1 ASING PRESSU SI - B39# 207, used for pay. To be sold	d numb	SACKS CEME SACKS CEME SACKS CEME CONMETROD (AK CHOKE SIZE 1/2** CALCULATED 24-HOUR RATE	Pricoto Oil	SCREEN (MD) 52. 5784° - 6079° \$157° - 5895° PROPORTING	30. SIZE 2-3/8° 4,3 AC COUCTION 5 and type of pums 50.	D. SH-10 W/10 W/10 W/10 W/10 W/10 W/10 W/10 W/	DEPTH SET 8074' OT, FRACTURE, bbis 15% HCI 0,000# 20/40 F 1,257,700 SC bbis 15% HCI 0,000# 20/48 F 1,222,300 SC	CEMENT Frankling	WELL STATUS	ETC. SIS 60Q N2 foam SIS 60Q N2 foam SIS 60Q N2 foam SIS 60Q N2 foam CIL GRAVITY-API (CORR.)
28. SIZE 31 PERFORATI 34" @ 1 SP PLO/LMF 57 UMF/CH 516 Total holes 33. DATE FIRST PRO SI DATE OF TEST 6/6/08 FLOW TUBING PI 34. DISPOSITION 35. LIST OF ATT This is a MV/III	ION RECORD F F 784' -607 F 7784' -609 F F F F F F F F F F F F F F F F F F F	11.58, 180 UNE BOTTOM (M O (Interval, size an 3' = 19 holes 5' = 22 holes 1 CASING PRESSUI SI - B39# 307 USB 15 EB3 To be sold	d numo	SACKS CEME SACKS CEME SACKS CEME ON METROD (AC CHOKE SIZE 1/2" CALCULATED 24-HOUR RATE GIZ) ##2367A2	Prison	SCREEN (MD) 32. 5784' - 6079' 3157' - 5895' PR 31 Et pumpos - 57 Flowing N FOR OR -B PERIOD BEL	30. SIZE 2-3/8F 14.3 AC DOUCTION B BRIT Sppt of pums BL GAS-MCF 2442 mcfd	D. SH-10 W/10 W/10 W/10 W/10 W/10 W/10 W/10 W/	DEPTH SET 8074' OT, FRACTURE, bbis 15% HCI 0,000# 20/40 F 1,257,300 SC 0,000# 20/48 E 1,222,300 SC WATER-B8	CEMENT Frankling	WELL STATUS	ETC. SIS 60Q N2 foam SIS 60Q N2 foam SIS 60Q N2 foam SIS 60Q N2 foam CIL GRAVITY-API (CORR.)
28. SIZE 31 PERFORATI .34" @ 1 SP PLOYLMF 57 UMF/CH 518 Total holes 33. DATE FIRST PRO SI DATE OF TEST 6/6/08 FLOW TUBING PI 34. DISPOSITION 35. LIST OF ATT This is a MV/T	ION RECORD F F 784' -607 F 7784' -609 F F F F F F F F F F F F F F F F F F F	11.58, 180 UNE BOTTOM (M O (Interval, size an 3' = 19 holes 5' = 22 holes 1 CASING PRESSUI SI - B39# 307 USB 15 EB3 To be sold	d numo	SACKS CEME SACKS CEME SACKS CEME ON METROD (AC CHOKE SIZE 1/2" CALCULATED 24-HOUR RATE GIZ) ##2367A2	Prison	SCREEN (MD) 52. 5784° - 6079° \$157° - 5895° PROPORTING	30. SIZE 2-3/8F 14.3 AC DOUCTION B BRIT Sppt of pums BL GAS-MCF 2442 mcfd	D. SH-10 W/10 W/10 W/10 W/10 W/10 W/10 W/10 W/	DEPTH SET 8074' OT, FRACTURE, bbis 15% HCI 0,000# 20/40 F 1,257,300 SC 0,000# 20/48 E 1,222,300 SC WATER-B8	CEMENT Frankling	WELL STATUS	ETC. SIS 60Q N2 foam SIS 60Q N2 foam SIS 60Q N2 foam SIS 60Q N2 foam CIL GRAVITY-API (CORR.)
28. SIZE 31 PERFORATI 34" @ 1 SP PLOYLMF 57 UMF/CH 518 Total holes 33. DATE FIRST PRO SI DATE OF TEST 6/6/08 FLOW TUBING PI 34. DISPOSITION 35. LIST OF ATT This is a MV/I 36. Thereby cont	ION RECORD F F 784' -607 F 7784' -609 F F F F F F F F F F F F F F F F F F F	11.58, 180 UNE BOTTOM (M 3' = 19 holes 5' = 22 holes 1 ASING PRESSUI Si - E39# To be sold uing DHC per	orde	SACKS CEME SACKS CEME SACKS CEME ON METROD (FAC CHOXE SIZE 1/2* CALCULATED 24-HOUR RATE 6IC) 1 #2367AZ masion is complete	PROOF	SCREEN (MD) 32. 5784' - 6079' 3157' - 5895' 3157' - 5895' PRIOD OR OR B PERIOD O	SIZE 2-9/8" 4.3 AC AC AC AC AC AC AC AC AC A	D. SH-10 W/10 W/10 W/10 W/10 W/10 W/10 W/10 W/	DEPTH SET 8074' OT, FRACTURE, bbis 15% HCI 0,000# 20/40 F 1,257,300 SC 0,000# 20/48 E 1,222,300 SC WATER-B8	CEMED Fra Frady Fra WATE	INSTANTIANS STANTIANS ACKER SET (MD) ETC. SIS 60Q N2 foam SIS 60Q N2 foam Produces of Shuffer OIL GRAVITY-API (COSIR)	
28. SIZE 31 PERFORATI 34" @ 1 SP PLO/LMF 57 UMF/CH 516 Total holes 33. DATE FIRST PRO SI DATE OF TEST 6/6/08 FLOW TUBING PI 34. DISPOSITION 35. LIST OF ATT This is a MV/III	ION RECORD F F 784' -607 F 7784' -609 F F F F F F F F F F F F F F F F F F F	11.58, 180 UNE BOTTOM (M 3' = 19 holes 5' = 22 holes 1 ASING PRESSUI Si - E39# To be sold uing DHC per	d numo	SACKS CEME SACKS CEME SACKS CEME ON METROD (FAC CHOXE SIZE 1/2* CALCULATED 24-HOUR RATE 6IC) 1 #2367AZ masion is complete	PROOF	SCREEN (MD) 32. 5784' - 6079' 3157' - 5895' PR 31 Et pumpos - 57 Flowing N FOR OR -B PERIOD BEL	SIZE 2-9/8" 4.3 AC AC AC AC AC AC AC AC AC A	D. SH-10 W/10 W/10 W/10 W/10 W/10 W/10 W/10 W/	DEPTH SET 8074' OT, FRACTURE, bbis 15% HCI 0,000# 20/40 F 1,257,300 SC 0,000# 20/48 E 1,222,300 SC WATER-B8	CEMENT Frankling	INSTANTIANS STANTIANS ETC. SIS 60Q N2 foam SIS 60Q N2 foam SIS 60Q N2 foam SIS 60Q N2 foam CIL GRAVITY-API (CORR.)	
28. SIZE 31 PERFORATI 34" @ 1 SP PLO/LMF 57 UMF/CH 518 Total holes 33. DATE FIRST PRO SI BAYE OF TEST 6/6/08 FLOW, TUBING PI 34. DISPOSITION 35. LIST OF ATT This is a MV/I 36. Thereby contains	ION RECORD F F 784' -607 F 7784' -609 F F F F F F F F F F F F F F F F F F F	BOTTOM (A) BOTTOM (A) O (Intervel, size or a) 3' = 19 hotel 5' = 22 holes The solid stress of the sol	orde	SACKS CEME	PROOF	SCREEN (MD) 32. 5784' - 6079' 3157' - 5895' 3157' - 5895' PRIOD OR OR B PERIOD O	SIZE 2-3/8F 14.3 AC COUCYRNI B BRITISH OF DUM CAS-MCF 2442 mcfd Shom all systable chnicion	D. SH 102	DEPTH SET 8074'	CEMED Frankrady WATE OATE	SI ST WINESS	ACKER SET (MD) ETC. SIS 60Q N2 foam SIS 60Q N2 foam SIS 60Q N2 foam COLUMN SIS (COSE)
28. SIZE 31 PERFORATI .34" @ 1 SP PLOYLMF 57 UMFICH 518 Total holes 33. DATE FIRST PRO SI DATE OF TEST 6/6/08 FLOW TUBING FI 35. UST OF ATT This is a MV/II 36. Uneroby.com SICHED Tille 18 U.S.C.	ION RECORD FF 784' -607 F784' -609 FF 784' -	11.58, L-80 UNE BOTTOM (A) O (Interval, size or a) 3' = 19 holes 6' = 22 holes 1 CASING PRESSUI SI - B39# Ord, used for Ear, To be sold ling DHC peresson and earsch	ordo	STATY CORD SACKS CEME SACKS CEME SACKS CEME ON METROD (FA CHOKE SIZE 1/2** CALCULATED 22-HOUR RATE	PRODUCTION OF THE PRODUCTION O	SCREEN (MD) SCREEN (MD) S2. S784' - 6079' S157' - 5895' PROVING N FOR OR-B PERIOD OR-B PERIOD OR-B OR-B OR-B OR-B OR-B OR-B OR-B OR-	30. SIZE 2-3/8F 14.3 AC AC SIGNATURE SIGNATU	D. SHI ATO W/10 NZ = CAS	DEPTH SET 8074' OT, FRACTURE, bbis 15% HCI 0,000# 20/40 F 1,257,300 SC 0,000# 20/48 E 1,222,300 SC WATER-68 12 bwph	WATE Side) CEMED Fra Strady F WATE DATE	SI ST WINESS	ACKER SET (MD) ETC. SIS 60Q N2 foam SIS 60Q N2 foam Produces of Shuffer OIL GRAVITY-API (COSIR)
SIZE 31 PERFORATI 34" @ 1 SP PLO/LMF 57 UMF/CH 518 Total holes 33. DATE FIRST PRO SI DATE OF TFSY 6/6/08 FLOW, TUBING PR 34. DISPOSITION 35. LIST OF ATT This is a MV/I 36. THEORY CONTENTS SIGNED SIGNED	ION RECORD FF 784' -607 F784' -609 FF 784' -	11.58, L-80 UNE BOTTOM (A) O (Interval, size or a) 3' = 19 holes 6' = 22 holes 1 CASING PRESSUI SI - B39# Ord, used for Ear, To be sold ling DHC peresson and earsch	orde	STATY CORD SACKS CEME SACKS CEME SACKS CEME ON METROD (FA CHOKE SIZE 1/2** CALCULATED 22-HOUR RATE	PRODUCTION OF THE PRODUCTION O	SCREEN (MD) SCREEN (MD) S2. S784' - 6079' S157' - 5895' PROVING N FOR OR-B PERIOD OR-B PERIOD OR-B OR-B OR-B OR-B OR-B OR-B OR-B OR-	30. SIZE 2-3/8F 14.3 AC AC SIGNATURE SIGNATU	D. SHI ATO W/10 NZ = CAS	DEPTH SET 8074' OT, FRACTURE, bbis 15% HCI 0,000# 20/40 F 1,257,300 SC 0,000# 20/48 E 1,222,300 SC WATER-68 12 bwph	WATE Side) CEMED Fra Strady F WATE DATE	VI SOUBEZE, I P. VI SOUBEZE, I C W/47,380 G. Sand C W/45,738 g. Sand VIELL STATUS: SI R 389. Wighther the second of the control of the	ACKER SET (MD) ETC. SIS 60Q N2 foam SIS 60Q N2 foam SIS 60Q N2 foam COLUMN SIS (COSE)

MMOCD H

TIERRA CORROSION CONTROL, INC. DRILLING LOG

COMPANY: Conoco Phillips

LOCATION: San Juan 32-7 Com #20

STATE: NM BIT SIZE: 6 3/4"

LBS COKE BACKFILL: 3,000#

ANODE TYPE: 3" X 60" Duriron

DATE: November 8, 2008

LEGALS: Sec18 T31N R7W DRILLER: Gilbert Peck

CASING SIZE/TYPE: 8" X 20' PVC

VENT PIPE: 300'

ANODE AMOUNT: 10

===

COUNTY: San Juan DEPTH: 300'

COKE TYPE: Asbury PERF PIPE: 180' None

BOULDER DRILLING: 19' Boulders

DEPTH	DRILLER'S LOG	AMPS	DEPTH	DRILLER'S LOG	AMPS
20	Casing	1.4	310		
25	Grey Shale	1.3	315		
30	Sandstone	.9	320		
35		.6	325		
40	Grey Shale	1.2	330		
45		1.6	335		T
50		1.2	340		
55		1.3	345		
60		1.1	350		
65	Sand Stone	.6	355		
70		.4	360		
75		.2	365		
80		.7	370		
85		.9	375		
80		.4	380		
95		.2	385	·	
100			390		
105	·	.6	395		
110			400		
115		.2	405		
120		2	410		
125	<u>_</u>	.2	415		
130	Grey Shale	1.3	420		
135		1.3	425		_
140		1.5	430		
145	 	1.4	435		
150		1.7	440		-
165		1.6	445		<u> </u>
160	<u> </u>	15	450	·	
165	Sandstone	.6	455	· · · · · · · · · · · · · · · · · · ·	
170	···	.6	460		
175 180		.3	465 470	~	┥
		.3			
185 190		2	475 480		╂
195		- 2	485		 -
200		.6	490		
205		,6	495		+
210		.9	500		-
215		-,6	1000	**************************************	1
220		.6			1
225		.3	t		 -
230		.2		· · · · · · · · · · · · · · · · · · ·	1
235		2			1
240		.1	ri		T
245		1	[<u> </u>		1
250		1.1			1
255		.1			1
260				·	1
265		.2	T		
270		.2		W	1
275		.2			1
280	Grey Shale	1.0		····//////////////////////////////////	
285		1.0	[T
290	-	1.0	$\overline{}$		
295	Sandstone	.4		· /	T
300	₩	TD			1
305				······································	

				And the second s
Description of the second of t	ANODE#	DEPTH	NO COKE	COKE
	1	290	1.0	2.4
	2 3 4	280	1.0	2.6
	3	220	.6	1.8
	4	210	.9	2.7
	5	200	.6	2.7
	6 7	170	.6 1.5	2.7 3.7
	7	160	1.5	5.2
1	8	150	1.7	6.1
1	9	140	1.5	5.8
	10	130	1.3	4.8
	11			
	12			
	13			
	14			
	15			
	16			
	17			
	18			
	19			
	20			
	21 22			
	22			
	23			
	24			
	25			
	26			
	27			
	28			
	29			
	30			
_				

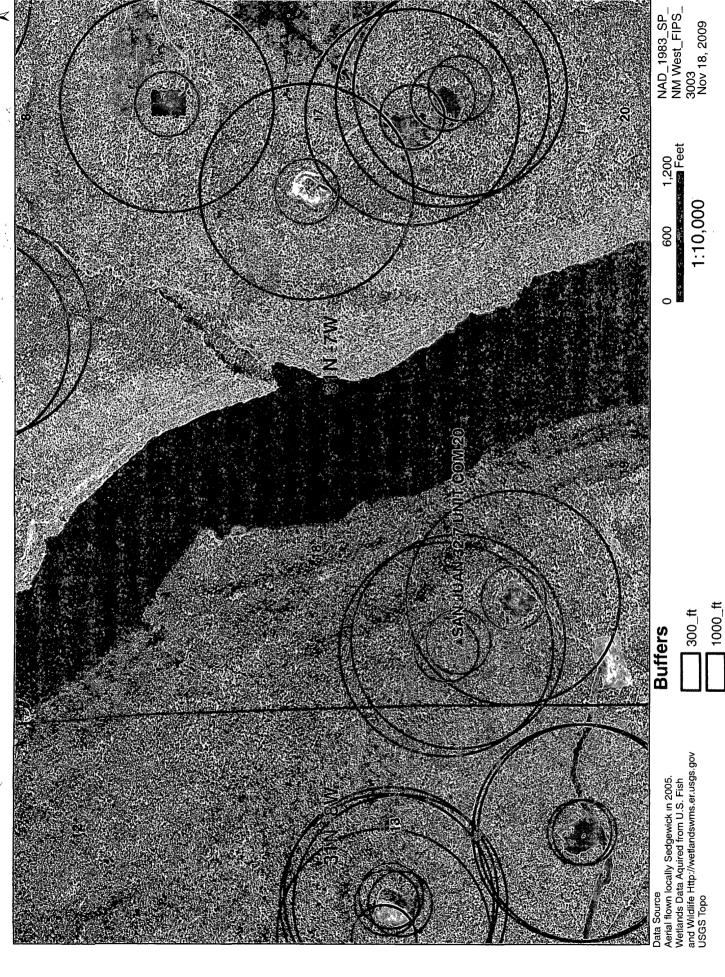
WATER DEPTH: None ISOLATION PLUGS: LOGING VOLTS: 12.25

VOLT SOURCE: AUTO BATTERY

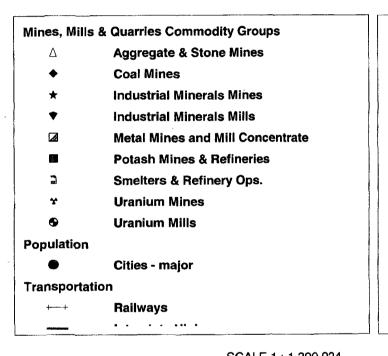
TOTAL AMPS: 11.5

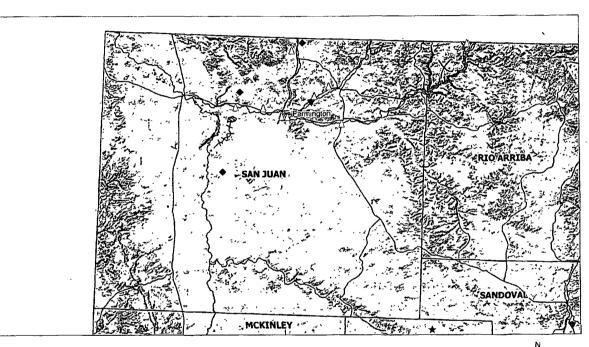
TOTAL GB RESISTANCE: 1.06

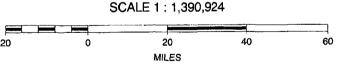
REMARKS:



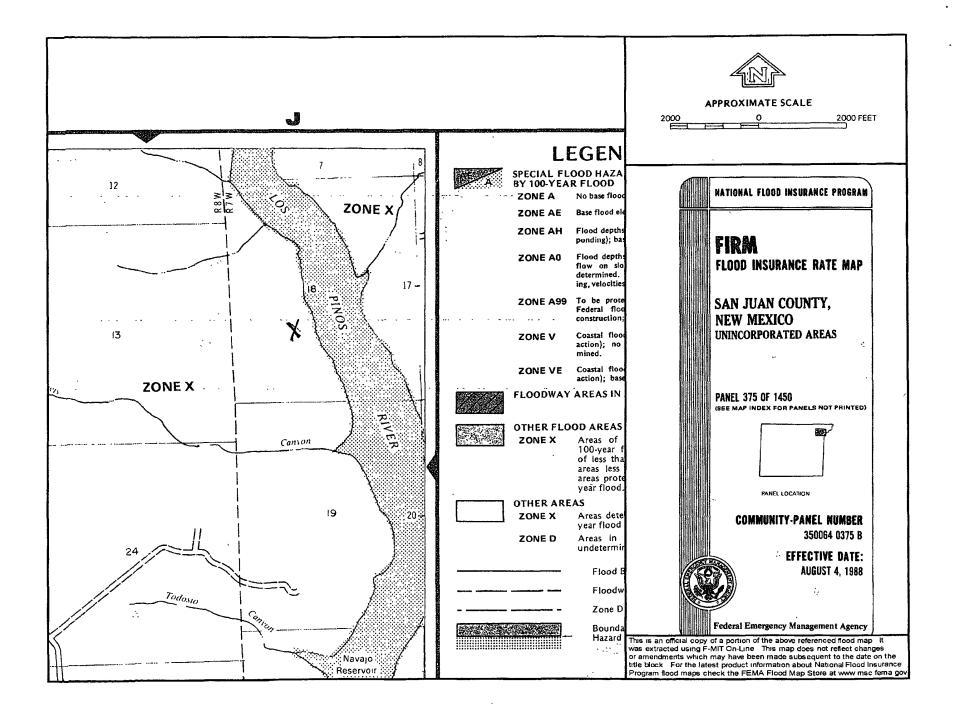
SJ 32-7 UNIT COM 20/MINES, MILLS AND QUARRIES MAP











Siting Criteria Compliance Demonstration & Hydro Geologic Analysis

The San Juan 32-7 Unit Com 20 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 subject well has an elevation of 6578' and the groundwater depth is greater than 300'. 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.

Hydrogeological report for San Juan 32-7 Unit COM 20

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.

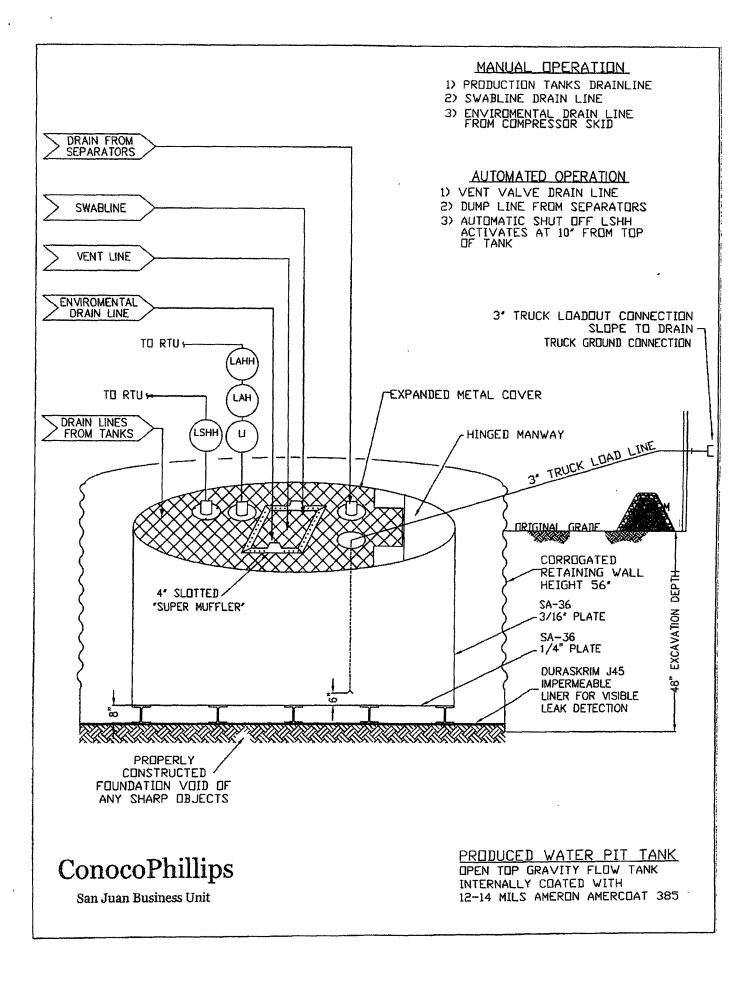
ConocoPhillips Company San Juan Basin Below Grade Tank Design and Construction

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.
- 2. COPC signage will comply with 19.15.17.11NMAC. COPC includes Emergency Contact information on all signage.
- 3. COPC has approval to use alternative fencing that provides better protection. COPC constructs fencing around the BGT using 4 foot hog wire fencing topped with two strands of barbed wire, or with a pipe top rail. A six foot chain link fence topped with three strands of barbed wire will be use if the well location is within 1000 feet of permanent residence, school, hospital, institution or church. COPC ensures that all gates associated with the fence are closed and locked when responsible personnel are not onsite.
- COPC will construct a screened, expanded metal covering, on the top of the BGT.
- COPC shall ensure that a below-grade tank is constructed of materials resistant
 to the below-grade tank's particular contents and resistant to damage from
 sunlight as shown on design drawing and specification sheet.
- 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.



DURA-SKR M®

130,1362,145

PROPERTIES	TEST METHOD	J3	0BB	J36	вв	J45	3 8
		Min. Roll Averages	Typical Roll Averages	Min. Roll Averages	Typical Roll Averages	Min. Roll Averages	Typical Roll Averages
Appearance		Black	/Black	Black	Black	Black/	Black
Thickness:	ASTM D 5199	27 mil	30 mil	32 mil	36 mil	40 mil	45 mil
Weight Lbs Per MSF (oz/yd²)	ASTM D 5261	126 lbs (18.14)	140 lbs (20.16)	151 lbs (21.74)	168 lbs (24.19)	189 lbs (27.21)	210 lbs (30.24)
Construction		**Extr	usion laminated	with encapsulat	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
15 Tensile Elondation @ :: 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 @ Reak: % (Scrim Break)	ASTM D 7003	20 MD 20 DD	33 MD 33 DD	20 MD 20 DD	30 MD 31DD	20 MD 20 DD	36 MD 36 DD
Tongue Tear Strength	ASTM D 5884	75 lbf MD 75 lbf DD	97 lbf MD 90 lbf DD	75 lbf MD 75 lbf DD	104 lbf MD 92 lbf DD	100 lbf MD 100 lbf DD	117 lbf MD 118 lbf DD
Grab Tensile	ASTM D 7004	180 lbf MD 180 lbf DD	218 lbf MD 210 lbf DD	180 lbf MD 180 lbf DD	222 lbf MD 223 lbf DD	220 lbf MD 220 lbf DD	257 lbf MD 258 lbf DD
Trapezoid:Tear	ASTM D 4533	120 lbf MD 120 lbf DD	146 lbf MD 141 lbf DD	130 lbf MD 130 lbf DD	189 lbf MD 172 lbf DD	160 lbf MD 160 lbf DD	193 lbf MD 191 lbf DD
* Dimensional Stability	ASTM D 1204	<1	≺0.5	<1	<0.5	<1	<0.5
Puncture Resistance	ASTM D 4833	50 lbf	64 lbf	65 lbf	83 lbf	80 lbf	99 lbf
Maximum Use Temperature		180° F					
Minimum Use Temperature		-70° F					

MD = Machine Direction DD = Diagonal Directions



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

*Dimensional Stability Maximum Value

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

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

PLANT LOCATION

Sioux Falls, South Dakota

SALES OFFICE

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

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 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.
- 2. COPC shall remove liquids and sludge from a below-grade tank prior to implementing a closure method and shall dispose of the liquids and sludge in a division-approved facility. The facilities to be used will be Basin Disposal (Permit #NM-01-005) and Envirotech Land Farm (Permit #NM-01-011). The liner after being cleaned well (Subsection D, Paragraph 1, Subparagraph (m) of 19.15.9.712 NMAC) will be disposed of at the San Juan County Regional Landfill located on CR 3100.
- 3. COPC will receive prior approval to remove the below-grade tank and dispose of it in a division-approved facility or recycle, reuse, or reclaim it in a manner that the appropriate division district office approves. Documentation of how the below-grade tank was disposed of or recycled will be provided in the closure report.
- If there is any on-site equipment associated with a below-grade tank, then COPC shall remove the equipment, unless the equipment is required for some other purpose.
- 5. COPC shall test the soils beneath the below-grade tank to determine whether a release has occurred. COPC shall collect, at a minimum, a five point, composite sample; collect individual grab samples from any area that is wet, discolored or showing other evidence of a release; and analyze for BTEX, TPH and chlorides to demonstrate that the benzene concentration, as determined by EPA SW-846 methods 8021B or 8260B or other EPA method that the division approves, does not exceed 0.2 mg/kg; total BTEX concentration, as determined by EPA SW-846 methods 8021B or 8260B or other EPA method that the division approves, does not exceed 50 mg/kg; the TPH concentration, as determined by EPA method 418.1 or other EPA method that the division approves, does not exceed 100 mg/kg; and the chloride concentration, as determined by EPA method 300.1 or other EPA method that the division approves, does not exceed 250 mg/kg, or the background concentration, whichever is greater. COPC shall notify the division of its results on form C-141.

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