State of New Mexico

Energy Minerals and Natural Resources

Santa Fe, NM 87505

Form C-144

July 21, 2008



artment ation Division St. Francis Dr. For temporary pits, closed-loop sytems, and below-grade tanks, submit to the appropriate NMOCD District Office.

1000 Rio Brazos Rd., Aztec, NM 87410

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.

Pit, Closed-Loop System, Below-Grade Tank, or Proposed Alternative Method Permit or Closure Plan Application

riopos	oa michian e michia i c	mint of Closure I lan Applicati	<u>OH</u>
Type of action:	X Permit of a pit, closed-loop sys	stem, below-grade tank, or proposed altern	native method
	Closure of a pit, closed-loop sy	stem, below-grade tank, or proposed alter	mative method
	Modification to an existing per	mit	
	Closure plan only submitted for	or an existing permitted or non-permitted p	oit, closed-loop system,
	below-grade tank, or proposed	alternative method	
		idual pit, closed-loop system, below-grade	
		ability should operations result in pollution of surface wa with any other applicable governmental authority's rules	· ·
1			
Operator: ConocoPhillips Compan	ı <u>y</u>	OGRID#: 217817	
Address: PO Box 4289, Farmingt	on, NM 87499		
Facility or well name: SALMON 1	<u>C</u>		
API Number:	3004524340	OCD Permit Number:	
U/L or Qtr/Qtr: B Section		Range: 11W County: San	
Center of Proposed Design: Latitud		Longitude: -108.02823°W	NAD: X 1927 1983
Surface Owner: Federal	State X Private T	ribal Trust or Indian Allotment	
Permanent Emergency Lined Unlined L String-Reinforced Liner Seams: Welded F 3 Closed-loop System: Subsect Type of Operation: P&A Drying Pad Above Gro Lined Unlined Line	rkover Cavitation P&A iner type: Thickness mil factory Other tion H of 19.15.17.11 NMAC	Volume:bbl Dimensions L or Drilling (Applies to activities which require p	
X Below-grade tank: Subsection Volume: 120 Tank Construction material: Secondary containment with leak of Visible sidewalls and liner Liner Type: Thickness	bbl Type of fluid: Produced V Metal detection X Visible sidewalls, lin	er, 6-inch lift and automatic overflow shut-off	
5 Alternative Method:			

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

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, inst Four foot height, four strands of barbed wire evenly spaced between one and four feet X Alternate. Please specify 4' hog wire fencing topped with two strands barbed wire.	titution or chu.	rch)
Netting: Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks) X Screen Netting Other Monthly inspections (If netting or screening is not physically feasible)		
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: X Administrative approval(s): Requests must be submitted to the appropriate division district of the Santa Fe Environmental Bureau office for cons (Fencing/BGT Liner) Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.	ideration of ap	pproval.
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 - 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)	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 XNA	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	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
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	Yes	XNo
Society; Topographic map 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
X Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC
Previously Approved Design (attach copy of design) API or Permit
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
В
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 Pro
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 (Below-Grade Tank)
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. Places indicates by a check mark in the bay, that the decompany are attached.
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 1 of 19.15.17.13 NMAC
X Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC
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Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Stee Instructions: Please identify the facility or facilities for the disposal of liquids, drilling	<u>I Tanks or Haul-off Bins Only:</u> (19.15.17.13.D NMAC) fluids and drill cuttings. Use attachment if more than two f	acilities
are required. Disposal Encility Name:	Diseased Facility Bossels #	
Disposal Facility Name:	Disposal Facility Permit #:	
Will any of the proposed closed-loop system operations and associated activities		
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 appropria Re-vegetation Plan - based upon the appropriate requirements of Subsec	tion 1 of 19.15.17.13 NMAC	С
Site Reclamation Plan - based upon the appropriate requirements of Sub	section G of 19.15.17.13 NMAC	
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. Recertain siting criteria may require administrative approval from the appropriate district office of for consideration of approval. Justifications and/or demonstrations of equivalency are required.	ecommendations of acceptable source material are provided belo or may be considered an exception which must be submitted to the	w. Requests regarding changes to Santa Fe Environmental Bureau office
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 obtain	ned 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 obtain	ned 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 - iWATERS database search; USGS; Data obtain	ned from nearby wells	□N/A
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other signification (measured from the ordinary high-water mark).	ant watercourse or lakebed, sinkhole, or playa lake	Yes No
- Topographic map; Visual inspection (certification) of the proposed site		
Within 300 feet from a permanent residence, school, hospital, institution, or church in e - Visual inspection (certification) of the proposed site: Aerial photo; satellite image	xistence at the time of initial application.	Yes No
Within 500 horizontal feet of a private, domestic fresh water well or spring that less that purposes, or within 1000 horizontal fee of any other fresh water well or spring, in existe - NM Office of the State Engineer - iWATERS database; Visual inspection (certification)	nce at the time of the initial application.	Yes No
Within incorporated municipal boundaries or within a defined municipal fresh water we pursuant to NMSA 1978. Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtain	·	Yes No
Within 500 feet of a wetland	neu from the municipanty	Tyes No
- US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspe	ction (certification) of the proposed site	
Within the area overlying a subsurface mine.		Yes No
- Written confiramtion or verification or map from the NM EMNRD-Mining and M	ineral Division	
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mir	neral Resources: USGS: NM Geological Society:	Yes No
Topographic map	icial resources, OSOS, IVIV Octological Society,	
Within a 100-year floodplain FEMA map		Yes No
18		
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of by a check mark in the box, that the documents are attached.	f the following items must bee attached to the closure	e 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 requirement	•	
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 dryin		0.15.17.11 NMAC
Protocols and Procedures - based upon the appropriate requirements of 19		
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		
Disposal Facility Name and Permit Number (for liquids, drilling fluids an		not be achieved)
Soil Cover Design - based upon the appropriate requirements of Subsection		,
Re-vegetation Plan - based upon the appropriate requirements of Subsection		
Site Reclamation Plan - based upon the appropriate requirements of Subs	ection G of 19 15 17 13 NMAC	

19		
Operator Application Certification:		
I hereby certify that the information submitted with this application is true, acc		
Name (Print): Crystal Tafoya	Title:	Regulatory Technician
Signature:	Date:	12/22/2008
e-mail address: crysial taioya@conocophil/ps.c/m	Telephone:	505-326-9837
20 OCD Approval: Permit Application (including closure plan)	Closure Plan (only)	OCD Conditions (see attachment)
OCD Representative Signature:		Approval Date:
Title:	OCD Peri	nit Number:
		at Number.
Closure Report (required within 60 days of closure completion): Substituctions: Operators are required to obtain an approved closure plan prior report is required to be submitted to the division within 60 days of the complete approved closure plan has been obtained and the closure activities have been of	to implementing any closi ion of the closure activitie completed.	ire activities and submitting the closure report. The closure
22	-	
Closure Method: Waste Excavation and Removal On-site Closure Method If different from approved plan, please explain.	Alternative Closure	Method Waste Removal (Closed-loop systems only)
23		
Closure Report Regarding Waste Removal Closure For Closed-loop System Instructions: Please identify the facility or facilities for where the liquids, dri	ns That Utilize Above Gi lling fluids and drill cutti	ound Steel Tanks or Haul-off Bins Only: ngs were disposed. Use attachment if more than two facilities
were utilized. Disposal Facility Name:	Disposal Facility	Dermit Murpher
Disposal Facility Name:		Permit Number:
Were the closed-loop system operations and associated activities performed		
Yes (If yes, please demonstrate compliant to the items below)	□No	or a sea for factor set free and operations.
Required for impacted areas which will not be used for future service and o	perations:	
Soil Backfilling and Cover Installation		
Re-vegetation Application Rates and Seeding Technique		
24		
Closure Report Attachment Checklist: Instructions: Each of the following	lowing items must be atto	ched to the closure report. Please indicate, by a check mark in
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 applicable)		
Waste Material Sampling Analytical Results (if applicable)		
Disposal Facility Name and Permit Number		
Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique		
Site Reclamation (Photo Documentation)		
On-site Closure Location: Latitude:	Longitude:	NAD 1927 1983
On-site Closure Execution. Latitude.	Longitude.	1727 1703
Operator Closure Certification:		
I hereby certify that the information and attachments submitted with this closur	re report is ture, accurate	and complete to the best of my knowledge and belief. I also certify that
the closure complies with all applicable closure requirements and conditions sq		
Name (Print):	Title:	
Signature:	Date:	
e-mail address:	Telephone:	

Form C-144 Oil Conservation Division

New Mexico Office of the State Engineer POD Reports and Downloads

Township: 291	N Range: 11W	Sections:							
NAD27 X:	Y:	Zone:		Search Radius:					
County:	Basin:		199	Number:	Suffix:				
Owner Name: (First)		(Last) All		O Non-Domestic	O Domestic				
POD/	Surface Data Rep	ort A		to Water Report					
Clear Form iWATERS Menu Help									

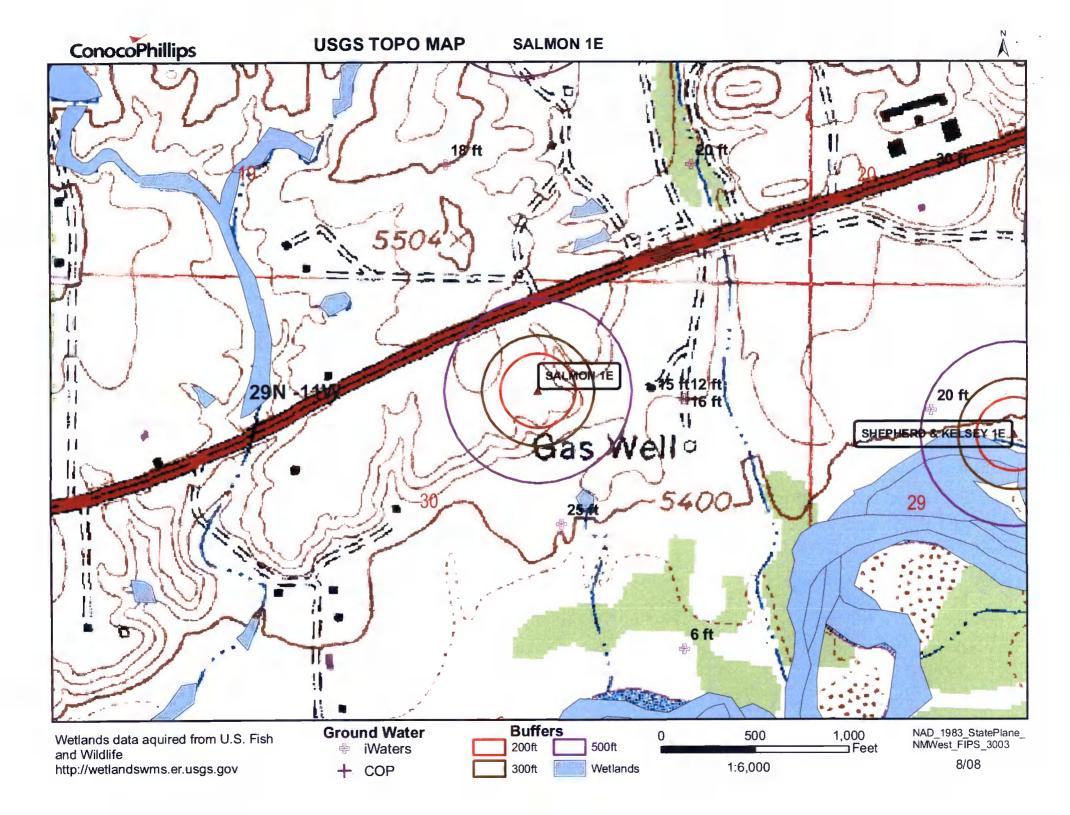
WATER COLUMN REPORT 12/16/2008

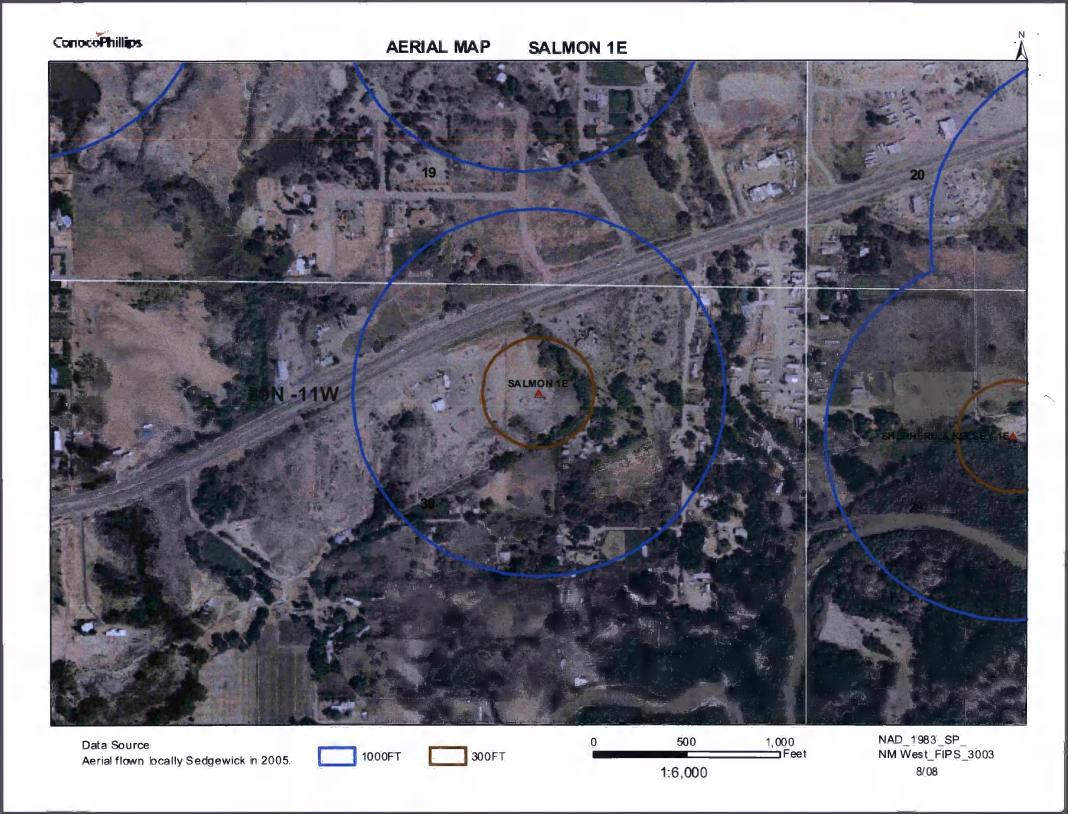
	(quarter	s are 1	=NW	2:	=NE	3=SW 4=SE))				
	(quarter	s are b	gg	est	t to	smallest)	ŀ		Depth	Depth	Wat∈
POD Number	Tws	Rng Sec	g	Ø	Ø	Zone	X	Y	Well	Water	Colum
SJ 00867	29N	11W 07	4						77	55	2
SJ 01302	29N	11W 07	4	1					250	210	4
SJ 01891	29N	11W 07	4	1	3				157		
SJ 01851	29N	11W 10	4	_					125	48	7
SJ 02466 S	29N	11W 11	4	3	3				65		
SJ 02466	29N	11W 11	4	3	3				66		
SJ 02991	29N	11W 13	3	_	2				60		
SJ 03136	29N	11W 13	3	4	4				20		
SJ 00987	29N	11W 13	4						415	300	11
SJ 01426	29N	11W 14	1						155	10	14
SJ 00007	29N	11W 14	2		3				752		
SJ 03550	29N	11W 14	3		1				10		_
SJ 01774	29N	11W 14	3	4	2				82	6	7
SJ 03360	29N	11W 14	3		2				40		
SJ 03175	29N	11W 14	4	2	1				60	24	3
SJ 03164	29N	11W 14	4	_	1				75	56	1
SJ 03733 POD1	29N	11W 15	4		1				64	20	4
SJ 02378	29N	11W 15	4	3	2				75	12	€
SJ 03579	29N	11W 15	4	_	1				83	30	5
SJ 02141	29N	11W 16	4	_	4				110	40	7
SJ 02926	29N	11W 17	2	_	3				375	80	25
SJ 03399	29N	11W 17	4	2					100		
SJ 00487	29N	11W 17	4	4					60	6	Ę
SJ 02868	29N	11W 17	4	_	4				50		
SJ 01641	29N	11W 19	2		3				120	55	6
SJ 02026	29N	11W 19	3			4400	000	2077700	27	6	2
SJ 02970	29N	11W 19	4	3	2				100	18	3
SJ 01250	29N	11W 19	4	4					60	2.0	Ĺ

SJ 02869	29N	11W 20	2 2	1	50		
SJ 00583	29N	11W 20	3 3	2	150	30	12
SJ 01355	29N	11W 20	4 4		36	3	
SJ 00452	29N	11W 21			42	10	3
SJ 01969	29N	11W 21	2		65	55	1
SJ 00701 CLW312190	29N	11W 21	2 2		70	14	Ē
SJ 00701	29N	11W 21	2 2	1	73		_
SJ 03350	29N	11W 21	2 2	3	50		
SJ 01090	29N	11W 21	2 4	_	31	12	1
SJ 02863	29N	11W 21	2 4	1	52	20	
SJ 03659	29N	11W 21	3 2	2	45	10	-
SJ 01888	29N	11W 21	4 2	2	47	8	:
SJ 02200	29N	11W 22	7 2	2	60	22	(.) (.) (.)
SJ 01557	29N	11W 22	1 2		70	11	5
SJ 00796	29N	11W 22	1 2		50	8	4
SJ 00704	29N	11W 22	1 2		55	20	3
SJ 01703	29N	11W 22	1 2		68	3	E
SJ 03747 POD1	29N	11W 22	1 2	3	47	27	2
SJ 02813	29N	11W 22	1 2	3	59	16	
	29N	11W 22	1 3	3	49	12	-
SJ 01214	29N	11W 22	1 3	1	37	10	5
SJ 00484		11W 22	1 3		38	10	2
SJ 00320	29N	11W 22		1	49	14	2 2 2 3
SJ 03532	29N		1 3 1 3	3	45	18	2
SJ 00151	29N	11W 22		4	45	59	2
SJ 02721	29N	11W 22		2	70		С
SJ 03503	29N	11W 22	2 3	3	72	18	2
SJ 02578	29N	11W 22	2 3	3	58	24	בי פי נא נא נא פי נא פי נא
SJ 03093	29N	11W 22	2 3	4	42	22	4
SJ 03189	29N	11W 22	3 2	1	45	20	2
SJ 03188	29N	11W 22	3 2	2	45	11	3
SJ 02020	29N	11W 22	3 3		27	6	2
SJ 02138	29N	11W 22	4 2	2	40	7	;
SJ 02529	29N	11W 22	4 2	3	30	9	2
SJ 03479	29N	11W 22	4 2	3	43	4	:
SJ 03049	29N	11W 22	4 2	4	33	10	
SJ 00696	29N	11W 22	4 3	2	34	12	2
SJ 01974	29N	11W 22	4 3	3	47	11	3
SJ 03567	29N	11W 23	1 2	3	50	22	
SJ 03557	29N	11W 23	1 3		50	15	3
SJ 03558	29N	11W 23		1	50	15	3
SJ 03559	29N	11W 23	1 3	4	45	15	
SJ 00812	29N	11W 23	1 4	2	4.4 5.0	15	2
SJ 03546	29N	11W 23	1 4	2	55	20	3 2
SJ 03591	29N	11W 23	1 4	4	58	30	-
SJ 01870	29N	11W 23	2	2	50	30	2
SJ 03130	29N	11W 23		3			2
SJ 03201	29N	11W 23		3	60 45	30	2 3
SJ 03353	29N	11W 23	2 1			25	2
SJ 01610	29N	11W 23	2 2		52	25	2
SJ 01573	29N	11W 23	2 3		41	21	2
SJ 03073	29N	11W 23	2 3		30	2.0	1
SJ 03286	29N	11W 23	3 3		38	28	1
SJ 02799	29N	11W 23	4 1		56	15	4
SJ 03548	29N	11W 23	4 1		50	15	(1) (1)
SJ 01962	29N	11W 24	1 2		45	12	114
SJ 03343	29N	11W 24	1 4	1	35	18	1
SJ 00804	29N	11W 25	1 4		37	25	1
SJ 01808 0-5	29N	11W 26	3 1		52	43	
SJ 02121	29N	11W 27	1 1		30	6	2

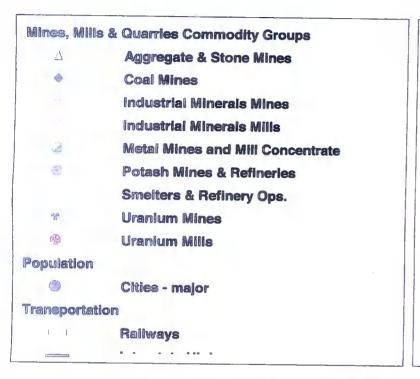
SJ 02210	29N	11W 27	1	1					32	8	2
SJ 03588	29N	11W 27	1	1	2						
SJ 02227	29N	11W 27	1	1	4				27	6	2
SJ 00700	29N	11W 27	1	3	3				20	7	1
SJ 01808 0-4	29N	11W 27	2	3	3				32	25	
SJ 01808 0-1	29N	11W 27	2	4	2				25	17	
SJ 01808 0-2	29N	11W 27	2	4	3				27	19	
SJ 01808 0-3	29N	11W 27	2	4	4				39	34	
SJ 02664	29N	11W 27	3	2					40	26	1
SJ 02664 S	29N	11W 27	3	2					38	23	1
SJ 02664 S-2	29N	11W 27	3	2					34	19	1
SJ 02664 S-3	29N	11W 27	3	2					41	30	1
SJ 02664 S-9	29N	11W 27	3	2					33	19	1
SJ 02664 S-4	29N	11W 27	3	2					4.2	30	1
SJ 02664 S-10	29N	11W 27	3	2					33	19	1
SJ 02664 S-5	29N	11W 27	3	2					41	30	1
SJ 02664 S-6	29N	11W 27	3	2					40	28	1
SJ 02664 S-7	29N	11W 27	3	2					37	23	1
SJ 02664 S-8	29N	11W 27	3	2					35	25	1
SJ 02148	29N	11W 27	4	2					305	186	11
SJ 01808 0-6	29N	11W 27	4	2	1				50		
SJ 03762 POD1	29N	11W 28	1	1		267348	3	2075529	27	15	1
SJ 03476	29N	11W 28	1	1	2				65		
SJ 03415	29N	11W 28	1	2	1				60	20	Ž
SJ 02559	29N	11W 28	1	2	4				15	7	
SJ 02330	29N	11W 28	2	1					128	115	1
SJ 03021	29N	11W 28	2		3				16	5	1
SJ 01606	29N	11W 28	2	2					35	8	2
SJ 03468	29N	11W 28	2	4		367704	4	2073506	50		
SJ 03469	29N	11W 28	2	4	3				50		
SJ 02713	29N	11W 28	3	1	1				26	12	1
SJ 02858	29N	11W 28	3	1	3				40		
SJ 02714	29N	11W 28	3						43	28	1
SJ 02708	29N	11W 28	3						26	12	1
SJ 03149	29N	11W 28	4	2	2				60	35	2
SJ 03475	29N	11W 29	1	1	3				40	20	2
SJ 00292	29N	11W 29	2	1	4				24	9	1
SJ 01554	29N	11W 29		2					35	18	1
SJ 02038	29N	11W 29		1	_				14	4	1
SJ 03298	29N	11W 29		1	1				70	6	€
SJ 02023	29N	11W 29		2					24	7	1
SJ 02182	29N	11W 29		2					27	11	1
SJ 00822	29N	11W 29		3	2				34	15 28	1 2
SJ 03421	29N	11W 29	4	4	3				50 40	25	1
SJ 01391	29N	11W 30	2	1	2				60	25	7
SJ 03348	29N	11W 30	2	1	3					16	2
SJ 01260	29N	11W 30	2						42 27	16 12	1
SJ 01264	29N	11W 30		2					28	15	1
SJ 01328	29N	11W 30	2						70	6	E
SJ 01821	29N	11W 30		4					37	20	1
SJ 00875	29N	11W 30		1	-2				3 / 75	20	7
SJ 02922	29N	11W 31	3	2	2	266426	٥	2067001	75 75	45	3
SJ 03795 POD1	29N	11W 31	3	2	4	266438	O	200/00I	80	40	4
SJ 03541	29N	11W 31	3		1				00	40	Ę
SJ 00441	29N	11W 32	2		Λ				263		
SJ 00103	29N	11W 32	4		4				254		
SJ 00103 S	29N	11W 32		4					49	30	1
SJ 03666	29N	11W 33	4	1	3				4 7	30	7

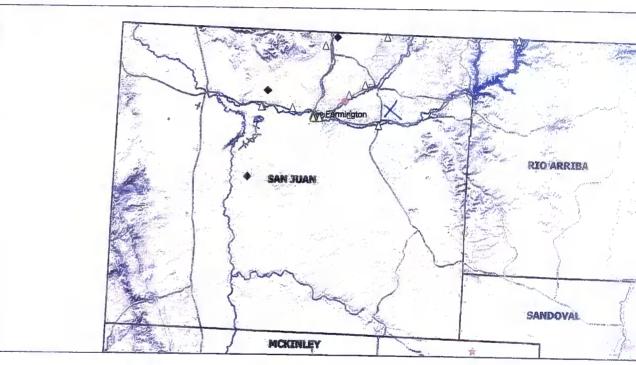
Record Count: 145





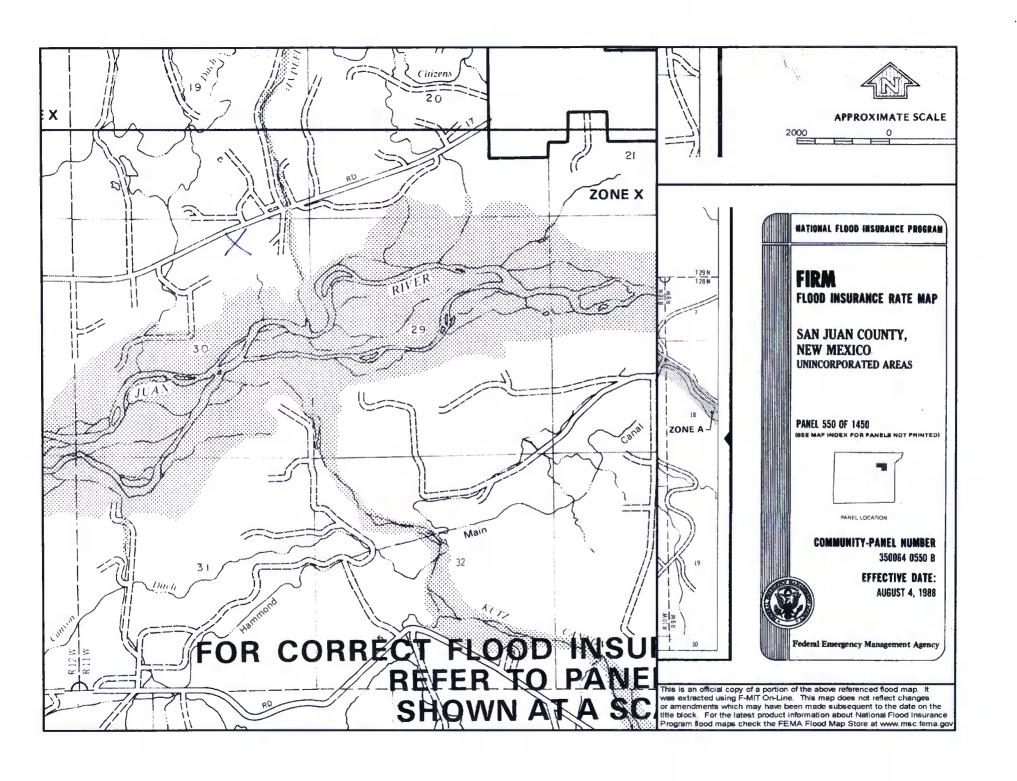
MMQonline Public Version Map











SALMON 1E

Site Specific Hydrogeology

A visual site inspection confirming the information contained herein was performed on the well 'SALMON 1E', which is located at 36.702468 degree, North latitude and 108.02823 degree, West longitude. This location is located on the Horn Canyon 7.5' USGS topographic quadrangle. This location is in section 30 of Township 29 North Range 11 West of the Public Land Survey System (New Mexico Principal Meridian). This location is located in San Juan County, New Mexico. The nearest town is Bloomfield, located 2.4 miles to the east. The nearest large town (population greater than 10,000) is Farmington, located 10.1 miles to the west (National Atlas). The nearest highway is US Highway 64, located 0.1 miles to the north. The location is on Private land and is 1,505 feet from the edge of the parcel as notated in the BLM land status layer updated January 2008. This location is in the Upper San Juan. Colorado. New Mexico, Sub-basin. This location is located 1666 meters or 5464 feet above sea level and receives 9.5 inches of rain each year. The vegetation at this location is classified as Invasive Southwest Riparian Woodland and Shrubland as per the Southwest Regional Gap Analysis Program.

The estimated depth to ground water at this point is 51 feet. This estimation is based on the data published on the New Mexico Engineer's iWaters Database website and water depth data from ConocoPhillips' Cathodic wells. Groundwater data available from the NM State Engineer's iWaters Database for wells near the proposed site are attached. The nearest stream is 555 feet to the south and is classified by the USGS as a perennial stream. The nearest perennial stream is 555 feet to the south. The nearest water body is 553 feet to the south. It is classified by the USGS as an intermittent lake and is 0.1 acres in size. The nearest spring is 21,952 feet to the southeast. All stream, river, water body and spring information was determined as per the USGS Hydrographic Dataset (High Resolution), downloaded 3/2008. The nearest water well is 569 feet to the east. The nearest wetland is a 0.2 acre Freshwater Emergent Wetland located 537 feet to the south. The slope at this location is 3 degree, to the southeast as calculated from USGS 30M National Elevation Dataset. This information is also discerned from the aerial and topographic map included. The surface geology at this location is MODERN ALLUVIUM--Includes Piney Creek Alluvium and younger deposits with a Quaternary age younger alluvium and surficial deposits substrate. The soil at this location is 'Stumble loamy sand, 0 to 3 percent slopes' and is somewhat excessively drained and not hydric with slight erosion potential as taken from the NRCS SSURGO map unit, downloaded January 2008. The nearest underground mine is 12.3 miles to the west as indicated on the Mines, Mills and Quarries Map of New Mexico provided.

Regional Geological context:

Quaternary and recent deposits in the San Juan Basin include stream-deposited alluvium and older terrace deposits, landslide deposits, and Aeolian sand. Most Quaternary and younger deposits area unconsolidated and form a thin covering over older bedrock sediments.

Stream-deposited alluvium and older terrace deposits are associated with major streams and rivers in the San Juan Basin. The alluvium consists of unconsolidated sediments that range from silt to cobbles in size but predominantly are sand and gravel. Along major streams the alluvium is varied in composition, depending on the mix of material from the various erosional source areas and fluvialy-driven sorting. Alluvial deposits also occur as a thin veneer of fine-grained sediments in the valleys of intermittent streams. Landslide deposits are mapped on the northeastern flank of the Chuska Mountains and locally in the San Juan Mountains. These colluvial deposits consist of material derived from the topographically higher source areas. The landslide material on the flank of Chuska Mountains consists of reworked sand from the Chuska Sandstone; the deposits in the San Juan Mountains primarily are derived from volcanic or volcaniclastic sources.

Unconsolidated wind-blown deposits are common in the central part of the basin, although they generally are not mapped on small scale geologic maps. Typically, these deposits are very thin, but local dunes near dry washes, which are excellent sources of fine-grained material, may reach heights of 20 feet. These recent Aeolian deposits are not known to yield water to wells.

Hydraulic Properties:

In the absence of other sources of water, alluvial deposits, where present, are commonly relied upon as a source of water for domestic and livestock use. Along the major rivers and streams, wells are of conventional vertical design, whereas in the valleys of intermittent streams, where the hydraulic conductivities and saturated thickness are generally small, most wells are constructed as galleries of horizontal drains feeding to a central collector. Reported well yields range from less than 1 gallon per minute to as much as 1,100 gallons per minute. The median yield of 48 wells is 15 gallons per minute. Hydraulic conductivities of sand and gravel can vary from 10 to 1,000,000 gallons per day per foot squared (roughly 1 to 100,000 feet per day) (Freeze and Cherry, 1979, table 2.2.) but a more typical range is from 15 feet per day for fine sand to about 1,000 feet per day for coarse gravel (Lohman, 1972, table 17). Tests along the San Juan River upstream from Farmington indicate that the hydraulic conductivity of alluvium ranges from 0.006 to 220 feet per day (Peter et al, 1987, p. 29). The thickness of alluvium at this site was reported to range from about 14 to 61 feet, and the saturated thickness was less than 25 feet in all 13 test holes. Water occurs in the alluvium under unconfined conditions. No tests have been made where the storage coefficient of the alluvium was determined. However, a typical specific yield for moderate to well-sorted unconsolidated sediments would be in the range of 0.1 to 0.25.

No known hydraulic data exists for the landslide and recent Aeolian deposits in the basin. No instances are known where these deposits are used as a source of water.

References:

Freeze, R.A., and Cherry, J.A., 1979, Groundwater: Englewood cliffs, N.J., Prentice-Hall, Inc., 604 p. Lohman, S.W., 1972, Ground-water hydraulics: U.S.G.S. Professional Paper 708, 70 p. Peter, K.D., Williams, R.A., and King, K.W., 1987, Hydrogeologic characteristics of the Lee Acres landfill area, San Juan County, New Mexico: U.S.G.S. Water Resources Investigations Report 87-4246, 69 p.

L. L. B. C. B. C. W. C.

ConocoPhillips Company San Juan Basin Below Grade Tank Design and Construction

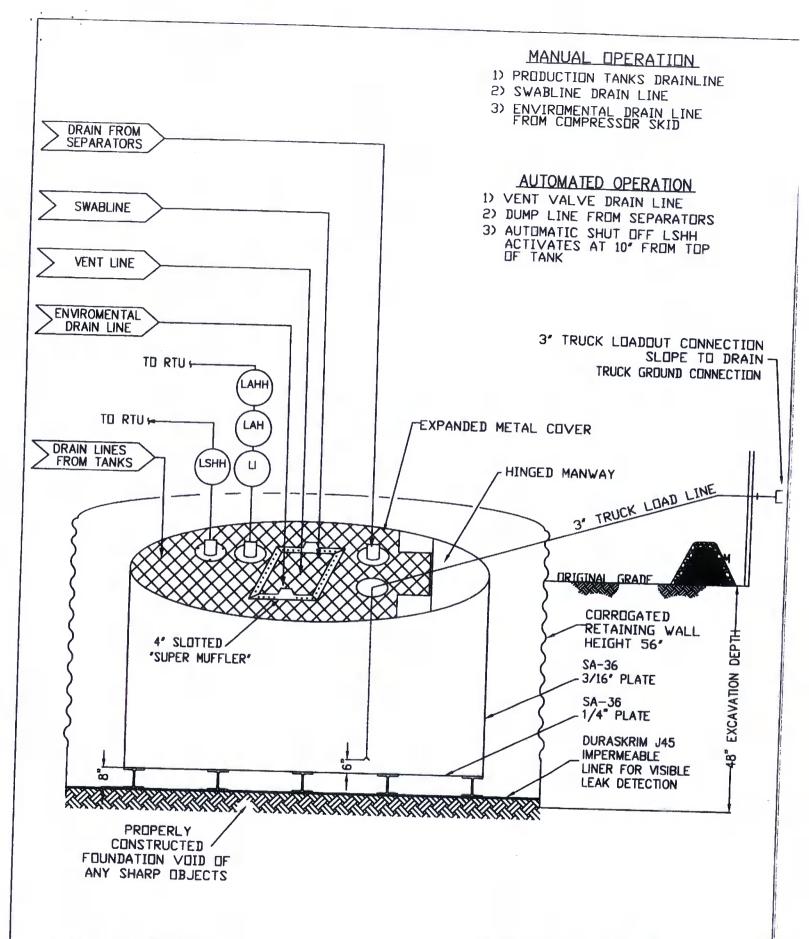
In accordance with NMAC 19.15.17 the following information describes the design and construction of below grade tanks on ConocoPhillips Company (COPC) locations. This is COPC's standard procedure for all below grade tanks (BGT). A separate plan will be submitted for any BGT which does not conform to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

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- 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.
- 11. The general specification for design and construction are attached in the COPC document.



ConocoPhillips

San Juan Business Unit

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

DURA-SKRIM®

J30, J36 a J45

PROPERTIES	TEST METHOD	<u> </u>	30BB	J3	6BB	J4	J45BB		
A		Min. Roll Averages	Typical Roll Averages	Min. Roll Averages	Typical Roll Averages	Min. Roll Averages	Typical Rol Averages		
Appearance		Blad	ck/Black	Blac	k/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	.4	**Ext	rusion laminate	1					
Ply Adhesion	ASTM D 413	16 lbs	20 lbs	19 lbs	24 lbs				
		00 14440		-	-	25 lbs	31 lbs		
1" Tensile Strength	ASTM D 7003	88 lbf MD 63 lbf DD	110 lbf MD 79 lbf DD	90 lbf MD 70 lbf DD	113 lbf MD 87 lbf DD	110 lbf MD 84 lbf DD	138 lbf MD 105 lbf DD		
1" Tensile Elongation @ Break % (Film Break)	ASTM D 7003	550 MD 550 DD	750 MD 750 DD	550 MD 550 DD	750 MD 750 DD	550 MD 550 DD	750 MD 750 DD		
1" Tensile Elongation @ Peak % (Scrim Break)	ASTM D 7003	20 MD 20 DD	33 MD 33 DD	20 MD 20 DD	30 MD 31DD	20 MD 20 DD	36 MD 36 DD		
Tongue Tear Strength	ASTM D 5884	75 lbf MD 75 lbf DD	97 lbf MD 90 lbf DD	75 lbf MD 75 lbf DD	104 lbf MD 92 lbf DD	100 lbf MD 100 lbf DD	117 lbf MD 118 lbf DD		
Grab Tensile	ASTM D 7004	180 lbf MD 180 lbf DD	218 lbf MD 210 lbf DD	180 lbf MD 180 lbf DD	222 lbf MD 223 lbf DD	220 lbf MD 220 lbf DD	257 lbf MD 258 lbf DD		
Trapezoid Tear	ASTM D 4533	120 lbf MD 120 lbf DD	146 lbf MD 141 lbf DD	130 lbf MD 130 lbf DD	189 lbf MD 172 lbf DD	160 lbf MD 160 lbf DD	193 lbf MD 191 lbf DD		
* Dimensional Stability	ASTM D 1204	<1	<0.5	<1	<0.5	<1	<0.5		
Puncture Resistance	ASTM D 4833	50 lbf	64 lbf	65 lbf	83 lbf	80 lbf			
Maximum Use Temperature		180° F	180° F	180° F			99 lbf		
Minimum Use Temperature		-70° F	-70° F		180° F	180° F	180° F		
D = Machine Direction		70 1	-/U F	-70° F	-70° F	-70° F	-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.
- 2. COPC shall remove liquids and sludge from a below-grade tank prior to implementing a closure method and shall dispose of the liquids and sludge in a division-approved facility. The facilities to be used will be Basin Disposal (Permit #NM-01-005) and Envirotech Land Farm (Permit #NM-01-011). The liner after being cleaned well (Subsection D, Paragraph 1, Subparagraph (m) of 19.15.9.712 NMAC) will be disposed of at the San Juan County Regional Landfill located on CR 3100.
- 3. COPC will receive prior approval to remove the below-grade tank and dispose of it in a division-approved facility or recycle, reuse, or reclaim it in a manner that the appropriate division district office approves. Documentation of how the below-grade tank was disposed of or recycled will be provided in the closure report.
- If there is any on-site equipment associated with a below-grade tank, then COPC shall remove the equipment, unless the equipment is required for some other purpose.
- 5. COPC shall test the soils beneath the below-grade tank to determine whether a release has occurred. COPC shall collect, at a minimum, a five point, composite sample; collect individual grab samples from any area that is wet, discolored or showing other evidence of a release; and analyze for BTEX, TPH and chlorides to demonstrate that the benzene concentration, as determined by EPA SW-846 methods 8021B or 8260B or other EPA method that the division approves, does not exceed 0.2 mg/kg; total BTEX concentration, as determined by EPA SW-846 methods 8021B or 8260B or other EPA method that the division approves, does not exceed 50 mg/kg; the TPH concentration, as determined by EPA method 418.1 or other EPA method that the division approves, does not exceed 100 mg/kg; and the chloride concentration, as determined by EPA method 300.1 or other EPA method that the division approves, does not exceed 250 mg/kg, or the background concentration, whichever is greater. COPC shall notify the division of its results on form C-141.

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