1625 N. French D		State of New Mexico	Form C-1
	r. Hobbs NM 88240	Natural Resource	
<u>Dis</u> 13(	REGIST	ERED — nent — on Division	For temporary pits, closed-loop sytems, and below-grade tanks, submit to the appropriate NMOCD District Office.
Dis	ALUI31	Francis Dr.	
	NU. /1200, 1991 0/710	Santa Fe, NM 87505	For permanent pits and exceptions submit to the Santa Fe
District IV		, , , , , , , , , , , , , , , , , , , ,	Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.
1220 S. St. Franci	s Dr., Santa Fe, NM 87505		
		Pit, Closed-Loop System, Below-Gra	
	Propos	ed Alternative Method Permit or Clos	are Plan Application
	Type of action:	X Permit of a pit, closed-loop system, below-grad	e tank, or proposed alternative method
		Closure of a pit, closed-loop system, below-grad	le tank, or proposed alternative method
		Modification to an existing permit	
			nitted or non-permitted pit, closed-loop system,
		below-grade tank, or proposed alternative meth-	
Instruction	ns: Please submit one a	pplication (Form C-144) per individual pit, closed-	oop system, below-grade tank or alternative requ
		f this request does not relieve the operator of liability should operation	
envir	ronment. Nor does approval rela	eve the operator of its responsibility to comply with any other applica	ole governmental authority's rules, regulations or ordinances.
) Operator: C-	nooo Dhilling Common		OGRID#: 217817
	nocoPhillips Compan		OGRID#: <u>217817_</u>
	Box 4289, Farmingto		
-	Il name: MIMS 36 ST		
API Number:		0004509064 OCD Permit Num	
U/L or Qtr/Qt	r: D Section	on: <u>36</u> Township: <u>30N</u> Range:	11W County: San Juan
Center of Prop	posed Design: Latitude	e:36.7739980°N Longitude:	-107.9479900°W NAD: X 1927 19
Surface Owne	r: Federal	X State Private Tribal Trust or Ind	an Allotment
Temporary:	bsection F or G of 19.15.1		
	Drilling Wor the Emergency C Unlined Li cinforced	kover Cavitation P&A ner type: Thickness mil LLDPE	HDPE         PVC         Other          bbl         Dimensions L        x W        x D
Temporary: Permaner Lined String-Re Liner Seams	Drilling Wor at Emergency C Unlined Li sinforced : Welded Fa	kover avitation P&A ner type: Thickness mil LLDPE actory Other Volume:	
Temporary: Permaner Lined String-Re Liner Seams: 3 Closed	Drilling Wor at Emergency C Unlined Li cinforced : Welded Fi I-loop System: Subsect	kover avitation P&A ner type: Thickness mil LLDPE actory Other Volume: tion H of 19.15.17.11 NMAC	bbl Dimensions Lx Wx D
Temporary: Permaner Lined String-Re Liner Seams	Drilling Wor at Emergency C Unlined Li cinforced : Welded Fi I-loop System: Subsect	kover avitation P&A ner type: Thickness mil LLDPE actory Other Volume: ion H of 19.15.17.11 NMAC	
Temporary: Permaner Lined String-Re Liner Seams: 3 Closed	Drilling Wor at Emergency C Unlined Li cinforced Welded Fi Heloop System: Subsect ration: P&A	kover avitation P&A ner type: Thickness mil LLDPE actory Other Volume: ion H of 19.15.17.11 NMAC Drilling a new well Workover or Drilling (Applies	bbl Dimensions Lx Wx D
Temporary: Permanent Lined String-Re Liner Seams: Closed Type of Ope	Drilling Wor at Emergency C Unlined Li inforced Welded Fi Hoop System: Subsect ration: P&A [ Pad Above Grou	kover Cavitation P&A ner type: Thickness mil LLDPE actory Other Volume: tion H of 19.15.17.11 NMAC Drilling a new well Workover or Drilling (Applies notice of intent)	bbl Dimensions Lx Wx D to activities which require prior approval of a permit or
Temporary: Permaner Lined String-Re Liner Seams: Closed Type of Ope	Drilling Wor at Emergency C Unlined Li cinforced Welded Fi Heloop System: Subsect ration: P&A P&A P&A Dulined Line	kover Cavitation P&A ner type: Thickness mil LLDPE cactory Other Volume: ion H of 19.15.17.11 NMAC Drilling a new well Workover or Drilling (Applies notice of intent) nd Steel Tanks Haul-off Bins Other	bbl Dimensions Lx Wx D to activities which require prior approval of a permit or
Temporary: Permaner Lined String-Re Liner Seams: 3 Closed Type of Oper Drying Lined Liner Seams:	Drilling Wor at Emergency C Unlined Li cinforced Welded Fi Heloop System: Subsect ration: P&A P&A Pad Above Grou Unlined Line	kover Cavitation P&A ner type: Thickness mil LLDPE actory Other Volume: ion H of 19.15.17.11 NMAC Drilling a new well Workover or Drilling (Applies notice of intent) nd Steel Tanks Haul-off Bins Other r type:Thicknessmil LLDPE []	bbl Dimensions Lx Wx D to activities which require prior approval of a permit or
Temporary: Permaner Lined String-Re Liner Seams: Closed Type of Oper Drying Lined Liner Seams: 4	Drilling Wor at Emergency C Unlined Li cinforced Welded Fi Heloop System: Subsect ration: P&A P&A Pad Above Grou Unlined Line	kover Cavitation P&A ner type: Thickness mil LLDPE actory Other Volume: ion H of 19.15.17.11 NMAC Drilling a new well Workover or Drilling (Applies notice of intent) nd Steel Tanks Haul-off Bins Other r type: Thicknessmil LLDPE actory Other	bbl Dimensions Lx Wx D to activities which require prior approval of a permit or
Temporary: Permaner Lined String-Re Liner Seams: Closed Type of Oper Drying Lined Liner Seams: 4	Drilling Wor at Emergency C Unlined Li inforced Welded Fi Hoop System: Subsect ration: P&A Pad Above Grou Unlined Line Welded Fi Welded Fi Pad Above Grou Unlined Line Subsection	kover Cavitation P&A ner type: Thickness mil LLDPE actory Other Volume: ion H of 19.15.17.11 NMAC Drilling a new well Workover or Drilling (Applies notice of intent) nd Steel Tanks Haul-off Bins Other r type: Thicknessmil LLDPE actory Other	bbl Dimensions Lx Wx D to activities which require prior approval of a permit or
Temporary: Permaner Lined String-Re Liner Seams: Closed Type of Ope Drying Lined Liner Seams: 4 X Below-r Volume:	Drilling Wor at Emergency C Unlined Li inforced Welded Fi Hoop System: Subsect ration: P&A Pad Above Grou Unlined Line Welded Fi Welded Fi Subsection	kover Cavitation P&A ner type: Thickness mil LLDPE actory Other Volume: ion H of 19.15.17.11 NMAC Drilling a new well Workover or Drilling (Applies notice of intent) nd Steel Tanks Haul-off Bins Other r type: Thickness mil LLDPE actory Other I of 19.15.17.11 NMAC	bbl Dimensions Lx Wx D to activities which require prior approval of a permit or
Temporary: Permaner Lined String-Re Liner Seams: Closed Type of Ope Drying Lined Liner Seams: 4 X Below-r Volume: Tank Constru	Drilling Wor at Emergency C Unlined Li inforced : Welded Fi -loop System: Subsect ration: P&A P&A P&A Dulined Line Welded Fi Welded Fi 2000 Fi	kover Cavitation P&A ner type: Thickness mil LLDPE cactory Other Volume: ion H of 19.15.17.11 NMAC Drilling a new well Workover or Drilling (Applies notice of intent) nd Steel Tanks Haul-off Bins Other ntype: Thickness mil LLDPE cactory Other L of 19.15.17.11 NMAC bl Type of fluid: Produced Water Metal	bbl Dimensions Lx Wx D to activities which require prior approval of a permit or HDPEPVDOther
Temporary: Permaner Lined String-Re Liner Seams: Closed Type of Ope Drying Lined Liner Seams: 4 X Below-r Volume: Tank Constru	Drilling Wor at Emergency C Unlined Li binforced Welded Fi Hoop System: Subsect ration: P&A [ Pad Above Grou Unlined Line Welded Fi Welded Fi Pad Subsection 120 b bintion material:	kover Cavitation P&A ner type: Thickness mil LLDPE actory Other Volume: ion H of 19.15.17.11 NMAC Drilling a new well Workover or Drilling (Applies notice of intent) nd Steel Tanks Haul-off Bins Other r type: Thickness mil LLDPE actory Other I of 19.15.17.11 NMAC bl Type of fluid: Produced Water Metal etection X Visible sidewalls, liner, 6-inch lift and a	bbl Dimensions Lx Wx D to activities which require prior approval of a permit or HDPEPVDOther
Temporary: Permaner Lined String-Re Liner Seams:  Closed Type of Ope Drying Lined Liner Seams:	Drilling Wor at Emergency C Unlined Li inforced Welded Fi Heloop System: Subsect ration: P&A Pad Above Grou Unlined Line Welded Fi Welded Fi grade tank: Subsection 120 b uction material: y containment with leak d	kover Cavitation P&A ner type: Thickness mil LLDPE actory Other Volume: ion H of 19.15.17.11 NMAC Drilling a new well Workover or Drilling (Applies notice of intent) nd Steel Tanks Haul-off Bins Other nd Steel Tanks Haul-off Bins Other trype: Thicknessmil LLDPE tof 19.15.17.11 NMAC bl Type of fluid: Produced Water Metal tetection X Visible sidewalls, liner, 6-inch lift and a Visible sidewalls only Other	bbl Dimensions Lx Wx D to activities which require prior approval of a permit or ]HDPEPVDOther utomatic overflow shut-off
Temporary: Permaner Lined String-Re Liner Seams: Closed Type of Ope Drying Lined Liner Seams: 4 X Below-r Volume: Tank Constru Secondar Visible Liner Type:	Drilling Wor at Emergency C Unlined Li inforced Welded Fi Hoop System: Subsect ration: P&A Pad Above Grou Unlined Line Welded Fi Welded Fi Welded Fi Unlined Line Unlined Line Unline Line Line Unline Line Unline Line	kover Cavitation P&A ner type: Thickness mil LLDPE actory Other Volume: ion H of 19.15.17.11 NMAC Drilling a new well Workover or Drilling (Applies notice of intent) nd Steel Tanks Haul-off Bins Other nd Steel Tanks Haul-off Bins Other trype: Thicknessmil LLDPE tof 19.15.17.11 NMAC bl Type of fluid: Produced Water Metal tetection X Visible sidewalls, liner, 6-inch lift and a Visible sidewalls only Other	bbl Dimensions Lx Wx D to activities which require prior approval of a permit or HDPEPVDOther
Temporary: Permaner Lined String-Re Liner Seams: Closed Type of Ope Drying Lined Liner Seams: 4 X Below-ri Volume: Tank Constru Secondar Visible Liner Type: 5	Drilling Wor at Emergency C Unlined Li inforced Welded Fi H-loop System: Subsect ration: P&A P&A P&A P&A Dulined Line Welded Fi Welded Fi Welded Fi Unlined Line Unlined Line Unlined Line Unlined Line Subsection 120 b uction material: y containment with leak d sidewalls and liner Thickness	kover Cavitation P&A ner type: Thickness mil LLDPE actory Other Volume: ion H of 19.15.17.11 NMAC Drilling a new well Workover or Drilling (Applies notice of intent) nd Steel Tanks Haul-off Bins Other nd Steel Tanks Haul-off Bins Other trype: Thicknessmil LLDPE tof 19.15.17.11 NMAC bl Type of fluid: Produced Water Metal tetection X Visible sidewalls, liner, 6-inch lift and a Visible sidewalls only Other	bbl Dimensions Lx Wx D to activities which require prior approval of a permit or ]HDPEPVDOther
Temporary: Permaner Lined String-Re Liner Seams: Closed Type of Oper Drying Lined Liner Seams: 4 X Below-r Volume: Tank Constru Secondar Visible Liner Type: 5 Altern	Drilling Wor at Emergency C Unlined Li inforced : Welded F: H-loop System: Subsect ration: P&A P&A P&A P&A P&A Dulined Line Welded F: Welded F: Welded F: y containment with leak d sidewalls and liner Thickness	kover Cavitation    P&A ner type: Thickness mil    LLDPE    actory    Other Volume: ion H of 19.15.17.11 NMAC    Drilling a new well    Workover or Drilling (Applies notice of intent) nd Steel Tanks    Haul-off Bins    Other nd Steel Tanks    Haul-off Bins    Other nd Steel Tanks    Haul-off Bins    Other nd Steel Tanks    Haul-off Bins    LLDPE    actory    Other Lof 19.15.17.11 NMAC bl Type of fluid: Produced Water Metal etection    X Visible sidewalls, liner, 6-inch lift and a    Visible sidewalls only    Other mil    HDPE    PVC    X Other          HDPE    PVC    X Other          HDPE    PVC    X Other             HDPE    PVC    X Other             HDPE    PVC    X Other	
Temporary: Permaner Lined String-Re Liner Seams: Closed Type of Ope Drying Lined Liner Seams: 4 X Below-r Volume: Tank Constru Secondar Visible Liner Type: 5 Altern	Drilling Wor at Emergency C Unlined Li inforced : Welded F: H-loop System: Subsect ration: P&A P&A P&A P&A P&A Dulined Line Welded F: Welded F: Welded F: y containment with leak d sidewalls and liner Thickness	kover Cavitation P&A ner type: Thickness mil LLDPE actory Other Volume: ion H of 19.15.17.11 NMAC Drilling a new well Workover or Drilling (Applies notice of intent) nd Steel Tanks Haul-off Bins Other nd Steel Tanks Haul-off Bins Other trype: Thicknessmil LLDPE tof 19.15.17.11 NMAC bl Type of fluid: Produced Water Metal tetection X Visible sidewalls, liner, 6-inch lift and a Visible sidewalls only Other	

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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, ins     Four foot height, four strands of barbed wire evenly spaced between one and four feet     X Alternate. Please specify <u>4' hog wire fencing topped with two strands barbed wire.</u>	stitution or chu	rch)					
7       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)							
<ul> <li>8</li> <li>Signs: Subsection C of 19.15.17.11 NMAC</li> <li>12" X 24". 2" lettering, providing Operator's name, site location, and emergency telephone numbers</li> <li>X Signed in compliance with 19.15.3.103 NMAC</li> </ul>	Signs:       Subsection C of 19.15.17.11 NMAC         12" X 24". 2" lettering. providing Operator's name, site location, and emergency telephone numbers						
<ul> <li><u>Administrative Approvals and Exceptions:</u> Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance.</li> <li><i>Please check a box if one or more of the following is requested, if not leave blank:</i> <ul> <li>X Administrative approval(s): Requests must be submitted to the appropriate division district of the Santa Fe Environmental Bureau office for con (Fencing/BGT Liner) <ul> <li>Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.</li> </ul> </li> </ul></li></ul>	sideration of a	pproval.					
10 <u>Siting Criteria (regarding permitting)</u> : 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. (Applies to temporary, emergency, or cavitation pits and below-grade tanks)	Yes	X No					
<ul> <li>Visual inspection (certification) of the proposed site; Aerial photo; Satellite image</li> <li>Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.</li> <li>(Applied to permanent pits)</li> <li>Visual inspection (certification) of the proposed site; Aerial photo; Satellite image</li> </ul>	Yes XNA	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	XNo					
<ul> <li>NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site.</li> <li>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</li> <li>Written confirmation or verification from the municipality; Written approval obtained from the municipality</li> </ul>	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					
<ul> <li>Within the area overlying a subsurface mine.</li> <li>Written confirmation or verification or map from the NM EMNRD - Mining and Mineral Division</li> <li>Within an unstable area.</li> <li>Engineering measures incorporated into the design; NM Bureau of Geology &amp; Mineral Resources; USGS; NM Geological</li> </ul>	Yes Yes	X No X No					
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							
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							
<b>Proposed Closure:</b> 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-Joop 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)							
15							
Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plan.							
Please indicate, by a check mark in the box, that the documents are attached.							
X Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC							
X Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC							
X Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings)							
X Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC							
X Re-vegetation Plan - based upon the appropriate requirements of Subsection 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							

to Waste Removal Closure For Closed-loop Systems That Utilize Above Ground St	eel Tanks or Haul off Bins Only (10-15-17-13 D.NMAC)	
Instructions: Please identify the facility or facilities for the disposal of liquids, drillin are required.	g fluids and drill cuttings. Use attachment if more than two	facilities
Disposal Facility Name:	Disposal Facility Permit #:	
Disposal Facility Name:		
Will any of the proposed closed-loop system operations and associated activiti 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 appropr		C
Re-vegetation Plan - based upon the appropriate requirements of Subse		
Site Reclamation Plan - based upon the appropriate requirements of Su	ibsection G of 19.15.17.13 NMAC	
17 <u>Siting Criteria (Regarding on-site closure methods only:</u> 19.15.17.10 NMA Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. certain siting criteria may require administrative approval from the appropriate district office for consideration of approval. Justifications and/or demonstrations of equivalency are required.	Recommendations of acceptable source material are provided belo e or may be considered an exception which must be submitted to the	ow. 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 ob	tained from nearby wells	N/A
Ground water is between 50 and 100 feet below the bottom of the buried wast	e	Yes No
- NM Office of the State Engineer - iWATERS database search; USGS; Data obt	ained 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 obt	ained from nearby wells	N/A
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other signif (measured from the ordinary high-water mark).	icant 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 - Visual inspection (certification) of the proposed site; Aerial photo; satellite imag		Yes No
Within 500 horizontal feet of a private, domestic fresh water well or spring that less th purposes, or within 1000 horizontal fee of any other fresh water well or spring, in exis - NM Office of the State Engineer - iWATERS database; Visual inspection (certif	stence at the time of the initial application.	Yes No
Within incorporated municipal boundaries or within a defined municipal fresh water or pursuant to NMSA 1978, Section 3-27-3, as amended.	well field covered under a municipal ordinance adopted	Yes No
<ul> <li>Written confirmation or verification from the municipality; Written approval ob Within 500 feet of a wetland</li> </ul>	tained from the municipality	
- US Fish and Wildlife Wetland Identification map; Topographic map; Visual ins	pection (certification) of the proposed site	
Within the area overlying a subsurface mine.		Yes No
- Written confirantion or verification or map from the NM EMNRD-Mining and	Mineral Division	
<ul> <li>Within an unstable area.</li> <li>Engineering measures incorporated into the design: NM Bureau of Geology &amp; M</li> </ul>	finant Resources USCS, NM Coolering Society	Yes No
Topographic map	inicial Resources, USOS, NM Geological Society;	
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 bee attached to the closur	e plan. Please indicate,
by a check mark in the box, that the documents are attached.		
Siting Criteria Compliance Demonstrations - based upon the appropriat		
Proof of Surface Owner Notice - based upon the appropriate requireme		
Construction/Design Plan of Burial Trench (if applicable) based upon t		0.15.17.11.NMAC
Construction/Design Plan of Temporary Pit (for in place burial of a dry Protocols and Procedures - based upon the appropriate requirements of		7.13.17.11 NMAC
Confirmation Sampling Plan (if applicable) - based upon the appropriate		
Waste Material Sampling Plan - based upon the appropriate requirement		
Disposal Facility Name and Permit Number (for liquids, drilling fluids a		nnot be achieved)
Soil Cover Design - based upon the appropriate requirements of Subsec		
Re-vegetation Plan - based upon the appropriate requirements of Subset		
Site Reclamation Plan - based upon the appropriate requirements of Sul	osection G of 19.15.17.13 NMAC	

Operator Application Certification:	
I hereby certify that the information submitted with this application is true, accu	arate and complete to the best of my knowledge and belief.
Name (Print): Crystal Tafoya	Title: Regulatory Technician
Signature: motal Talera	, Date: 12/22/2008
e-mail address: crystal.falova@conocophillips.com	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 Permit Number:
21	
Closure Report (required within 60 days of closure completion): Sub-	section K of 19.15.17.13 NMAC
Instructions: Operators are required to obtain an approved closure plan prior t	to implementing any closure activities and submitting the closure report. The closure
report is required to be submitted to the division within 60 days of the completion	on of the closure activities. Please do not complete this section of the form until an
approved closure plan has been obtained and the closure activities have been c	ompleted.
	Closure Completion Date:
22	
Closure Method:	
Waste Excavation and Removal On-site Closure Method	Alternative Cleave Mathed
	Alternative Closure Method Waste Removal (Closed-loop systems only)
If different from approved plan, please explain.	
22	
23 Classes Based Baseding Works Basevel Classes For Classed Line Sector	
Closure Report Regarding Waste Removal Closure For Closed-loop System	is Inat Utilize Above Ground Steel Tanks or Haul-off Bins Unly:
were utilized.	ling fluids and drill cuttings were disposed. Use attachment if more than two facilities
Disposal Facility Name:	Disposal Facility Permit Number:
Disposal Facility Name:	Disposal Facility Permit Number:
Were the closed-loop system operations and associated activities performed	on or in areas that will not be used for future service and opeartions?
Yes (If yes, please demonstrate compliane to the items below)	No
Required for impacted areas which will not be used for future service and op	perations.
Site Reclamation (Photo Documentation)	
Soil Backfilling and Cover Installation	
Re-vegetation Application Rates and Seeding Technique	
24	
	owing items must be attached to the closure report. Please indicate, by a check mark in
the box, that the documents are attached.	bwing dems muss be adached to the closure report. Please thatcale, by a check mark in
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
25	
Operator Closure Certification:	
	e 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 sp	
ne ensine complete nun all appleable clouite requirementa ana comanione sp	
Name (Print):	Title:
Signature:	Date:
e-mail address:	Telephone:
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New Mexico Office of the State Engineer

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New Mexico Office of the State Engineer POD Reports and Downloads
Township: 30N Range: 11W Sections:
NAD27 X: Y: Zone: Search Radius:
County: Basin: Number: Suffix:
Owner Name: (First) (Last) C Non-Domestic C Domestic C All
POD / Surface Data Report Avg Depth to Water Report Water Column Report
Clear Form iWATERS Menu Help

#### WATER COLUMN REPORT 08/21/2008

(0	quarter	s are	e bi	gge	est	to	smalle	st)		Depth	Depth	Water	(i
OD Number	Tws	Rng	Sec	q	đ	đ	Zone	х	Y	Well	Water	Column	
G 50669	30N	11W	27							360	310	50	
J 02765	30N	11W	02	1	3					54	20	34	
J 00975	30N	11W	02	1	3					60	20	40	
J 01217	30N	11W	02	1	3					60	30	30	
J 02837	30N	11W	02	3	4	1				150			
J 01437	30N	11W	03	1						40	28	12	
J 03121	30N	11W	03	1	2	4				36	12	24	
J 02049	30N	11W	03	1	3					26	8	18	
J 01339	30N	11W	03	1	3	1				40	15	25	
J 02814	30N	11W	03	1	3	2				31	8	23	
J 00350	30N	11W	03	1	3	2				46	12	34	
J 01441	30N	11W	03	1	3	2				48	20	28	
J 02835	30N	11W	03	1	3	2				26	8	18	
J 01387	30N	11W	03	1	4					40	18	22	
J 03698 POD1	30N	11W	03	1	4	1				40	5	35	
J 02785	30N	11W	03	1	4	2				31	5	26	
J 01313	30N	11W	03	2						70	58	12	
J 01805	30N	11W	03	2						35	20	.15	
J 01807	30N	11W	03	2	1					50	30	20	
J 01202	30N	11W	03	2	1	2				35	8	27	
J 02781	30N	11W	03	2	1	2				48	23	25	
J 03758 POD1	30N	11W	03	2	1	2	2	68158	2127473	49	21	28	
J 03765 POD1	30N	11W	03	2	1	2	2	68163	2127605	43	20	23	
J 03756 POD1	30N	11W	03	2	1	2	2	68179	2127870	41	20	21	
J 02786	30N	11W	0.3	2	3	1				51	24	27	
J 01901	30N	11W	03	2	3	2				60	26	34	
J 00698	30N	11W	03	2	3	3				44	14	30	
J 01261	30N	11W	03	2	3	4					20		
J 02930	30N	11W		2	4	4				81	64	17	
SJ 02798	30N	11W		2	4	4				80	61	19	
SJ 00402	30N	11W		3	-	-				32	18	14	
SJ 01734		11W		3	2					33	5	28	

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SJ 00762	30N	11W 03	3 2			47	22	25
SJ 01440	30N	11W 03	3 2 3			41	21	20
SJ 01020	30N	11W 03	3 3			27	5	22
SJ 03242	30N	11W 03	3 3 1			23	9	14
SJ 03732 POD1	30N	11W 03	3 3 1			38	9	29
SJ 03239	30N	11W 03	3 3 3			33	12	21
SJ 01238	30N	11W 03	4 1			95	38	57
SJ 02245	30N	11W 03	4 1 3			66	30	36
SJ 01043	30N	11W 03	4 1 4			50		
SJ 01249	30N	11W 03	4 2			52	22	30
SJ 02563	30N	11W 03	4 2 1			96	60	36
SJ 02824	30N	11W 03	4 2 1			70	50	20
SJ 03153	30N	11W 03	421			80	60	20
SJ 03454	30N	11W 03	4 2 4			100 38	10	20
SJ 03291	30N	11W 03 11W 03	432 444			33	18 18	20 15
SJ 00366	30N 30N	11W 03	2 4 4			115	86	29
SJ 01364 SJ 03076	30N	11W 04	2 2 3			44	10	34
SJ 02903	30N	11W 04	2 3 2			49	31	18
SJ 03039	30N	11W 04	4 1 2			53	40	13
SJ 01450	30N	11W 04	4 3			45	20	25
SJ 02941	30N	11W 04	4 3 2			58	37	21
SJ 01367	30N	11W 04	4 4 1			48	20	28
SJ 03407	30N	11W 04	4 4 4	W 453700	2124100	30	5	25
SJ 03267	30N	11W 05	2 1 3			83	60	23
SJ 03245	30N	11W 06	444			80	65	15
SJ 02194	30N	11W 07				59	22	37
SJ 02140	30N	11W 07	1 1 1			70	60	10
SJ 00689	30N	11W 07	1 4 3			78	65	13
SJ 00690	30N	11W 07	1 4 3			60		
SJ 00882	30N	11W 07	1 4 3			60	50	10
SJ 00889	30N	11W 07	1 4 3			55		
SJ 00806	30N	11W 07	1 4 3			38	20	18
SJ 00739	30N	11W 07	1 4 3			70	.58	12
SJ 00389	30N	11W 07	1 4 3			53	5.0	10
SJ 00688	30N	11W 07	1 4 3			70	58	12
SJ 00358	30N	11W 07	1 4 3			61	38	23
SJ 00397	30N	11W 07	143			56	35 40	21 13
SJ 00415	30N 30N	11W 07 11W 07	1 4 3 1 4 3			53	40	T D
SJ 00387 SJ 00748	30N	11W 07	1 4 3			60	41	19
SJ 03271	30N	11W 07	2 3 2			00		10
SJ 01475	30N	11W 07	2 3 3			49	27	22
SJ 03465	30N	11W 07	2 3 4			80		
SJ 00259	30N	11W 07	2 4			25	12	13
SJ 01492	30N	11W 07	3			60	22	38
SJ 03794 POD1	30N	11W 07	3 1 3	266272	2119520	44	27	17
SJ 01172	30N	11W 07	3 2			50	30	20
SJ 01310	30N	11W 07	3 3			80	50	3.0
SJ 01484	30N	11W 07	3 3			61	10	51
SJ 03630	30N	11W 07	3 3 3			68	24	44
SJ 01425	30N	11W 07	3 4			55	25	30
SJ 01468	30N	11W 07	3 4			60	25	35
SJ 02006	30N	11W 07	3 4 2			50	24	26
SJ 03484	30N	11W 07	3 4 3			75		
SJ 02005	30N	11W 07	344			55	20	35
SJ 02715	30N	11W 07	3 4 4			68	20	48
SJ 00135	_ 30N	11W 07	4 1			180	23	157
SJ 00769	_ 30N	11W 07	4 1			50	14	36

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SJ       01406       30N       11W       07       4       1         SJ       00679       30N       11W       07       4       1       3         SJ       00329       30N       11W       07       4       1       3         SJ       00329       30N       11W       07       4       1       3         SJ       00893       30N       11W       07       4       1       4         SJ       00893       30N       11W       07       4       3       2         SJ       00601       30N       11W       07       4       3       2         SJ       00557       30N       11W       07       4       3       2         SJ       00183       30N       11W       08       1       4         SJ       031451       30N       11W					
SJ       00679       30N       11W       07       4       1       3         SJ       00620       30N       11W       07       4       1       3         SJ       00329       30N       11W       07       4       1       3         SJ       002906       30N       11W       07       4       1       4         SJ       00893       30N       11W       07       4       3       2         SJ       01667       30N       11W       07       4       3       2         SJ       00604       30N       11W       07       4       3       2         SJ       00601       30N       11W       07       4       3       2         SJ       00601       30N       11W       07       4       3       2         SJ       00515       30N       11W       07       4       3       2         SJ       00520       30N       11W       07       4       3       2         SJ       00521       30N       11W       08       1       4         SJ       00521       30N	SJ 01406	30N	11W 07	4 1	
SJ 00620       30N       11W       07       4       1         SJ 00329       30N       11W       07       4       1         SJ 02906       30N       11W       07       4       1         SJ 02906       30N       11W       07       4       1         SJ 02066       30N       11W       07       4       3         SJ 01667       30N       11W       07       4       3         SJ 01667       30N       11W       07       4       3         SJ 00604       30N       11W       07       4       3       2         SJ 00601       30N       11W       07       4       3       2         SJ 00567       30N       11W       07       4       3       2         SJ 0154       30N       11W       08       1       1       4         SJ 03154       30N       11W       08       2       2       S         SJ 01968       30N       11W       08       2       2       2         SJ 03210       30N       11W       08       2       2       2         SJ 03210       30N	SJ 02936	30N	11W 07	4 1 1	
SJ 00329       30N       11W       07       4       1       3         SJ 002906       30N       11W       07       4       1       3         SJ 002906       30N       11W       07       4       1       3         SJ 00693       30N       11W       07       4       3       2         SJ 00693       30N       11W       07       4       3       2         SJ 00604       30N       11W       07       4       3       2         SJ 00919       30N       11W       07       4       3       2         SJ 00601       30N       11W       07       4       3       2         SJ 00501       30N       11W       07       4       3       2         SJ 00183       30N       11W       07       4       3       2         SJ 01567       30N       11W       08       1       1       4         SJ 03431       30N       11W       08       2       2       2         SJ 01451       30N       11W       08       2       2       1         SJ 0268       30N       11W       08	SJ 00679	30N	11W 07	4 1 3	
SJ       00162       30N       11W       07       4       1       3         SJ       02906       30N       11W       07       4       1       4         SJ       01667       30N       11W       07       4       3         SJ       01667       30N       11W       07       4       3         SJ       00661       30N       11W       07       4       3       2         SJ       00601       30N       11W       07       4       3       2         SJ       00601       30N       11W       07       4       3       2         SJ       00501       30N       11W       07       4       3       2         SJ       00501       30N       11W       07       4       4       2         SJ       00312       30N       11W       07       4       4       2         SJ       00183       30N       11W       08       1       1         SJ       00312       30N       11W       08       2       2         SJ       01451       30N       11W       08       2	SJ 00620	30N	11W 07	413	
SJ       00162       30N       11W       07       4       1       4         SJ       02906       30N       11W       07       4       1         SJ       01667       30N       11W       07       4       3         SJ       01667       30N       11W       07       4       3         SJ       00601       30N       11W       07       4       3       2         SJ       00557       30N       11W       07       4       4       2         SJ       0332       30N       11W       08       1       1       4         SJ       0332       30N       11W       08       2       2       5       3       3       1       4       3       2       2       3       3       3       1       1       4       2       2       3	SJ 00329	30N	11W 07	4 1 3	
SJ       02906       30N       11W       07       4       1       4         SJ       00893       30N       11W       07       4       3         SJ       01667       30N       11W       07       4       3         SJ       00604       30N       11W       07       4       3       2         SJ       00604       30N       11W       07       4       3       2         SJ       00601       30N       11W       07       4       3       2         SJ       00918       30N       11W       07       4       3       2         SJ       00918       30N       11W       07       4       3       2         SJ       001567       30N       11W       08       1       1       4         SJ       03154       30N       11W       08       2       2       5       01451       30N       11W       08       2       2       5       30       11W       08       2       2       2       5       30       30N       11W       08       2       2       2       3       30       30N <th></th> <th>30N</th> <th>11W 07</th> <th>4 1 3</th> <th></th>		30N	11W 07	4 1 3	
SJ 00893       30N       11W       07       4       2         SJ 01667       30N       11W       07       4       3         SJ 01404       30N       11W       07       4       3         SJ 00919       30N       11W       07       4       3       2         SJ 00601       30N       11W       07       4       3       2         SJ 00918       30N       11W       07       4       3       2         SJ 00920       30N       11W       07       4       3       2         SJ 01567       30N       11W       07       4       1       4         SJ 03154       30N       11W       08       1       1         SJ 03154       30N       11W       08       2       2         SJ 01968       30N       11W       08       2       2       2         SJ 0398       30N       11W       08       2       2       2         SJ 0398       30N       11W       08       2       2       2         SJ 03220       30N       11W       08       2       2       2         SJ				4 1 4	
SJ       01667       30N       11W       07       4       3         SJ       01404       30N       11W       07       4       3       2         SJ       00601       30N       11W       07       4       3       2         SJ       00601       30N       11W       07       4       3       2         SJ       00601       30N       11W       07       4       3       2         SJ       00501       30N       11W       07       4       3       2         SJ       00918       30N       11W       07       4       3       2         SJ       00183       30N       11W       07       4       4       2         SJ       003154       30N       11W       08       1       1       4         SJ       03321       30N       11W       08       2       2       5         SJ       013210       30N       11W       08       2       2       2         SJ       03240       30N       11W       08       2       2       2         SJ       03240       30N					
SJ       01404       30N       11W       07       4       3         SJ       00919       30N       11W       07       4       3       2         SJ       00601       30N       11W       07       4       3       2         SJ       00918       30N       11W       07       4       3       2         SJ       00920       30N       11W       07       4       3       2         SJ       01567       30N       11W       08       1       1         SJ       03154       30N       11W       08       1       1         SJ       03431       30N       11W       08       2       2         SJ       01451       30N       11W       08       2       2         SJ       018451       30N       11W       08       2       2       2         SJ       03210       30N       11W       08       2       2       2       2       3       3       0       11W       08       2       2       2       3       3       0       11W       08       2       2       2       3					
SJ       00919       30N       11W       07       4       3       2         SJ       00604       30N       11W       07       4       3       2         SJ       00920       30N       11W       07       4       3       2         SJ       00920       30N       11W       07       4       3       2         SJ       00520       30N       11W       07       4       3       2         SJ       00183       30N       11W       07       4       4       2         SJ       00183       30N       11W       08       1       1       4         SJ       003154       30N       11W       08       1       4         SJ       00322       30N       11W       08       2       2         SJ       01451       30N       11W       08       2       2         SJ       0199       30N       11W       08       2       2       2         SJ       03210       30N       11W       08       2       2       2         SJ       03263       30N       11W       08					
SJ       00604       30N       11W       07       4       3       2         SJ       00918       30N       11W       07       4       3       2         SJ       00920       30N       11W       07       4       3       2         SJ       00501       30N       11W       07       4       3       2         SJ       00183       30N       11W       07       4       4       2         SJ       00183       30N       11W       08       1       1         SJ       03431       30N       11W       08       1       1         SJ       01451       30N       11W       08       2       2         SJ       01322       30N       11W       08       2       2         SJ       01368       30N       11W       08       2       2       2         SJ       03210       30N       11W       08       2       2       2         SJ       03240       30N       11W       08       2       2       4         SJ       03633       30N       11W       08       2					
SJ       00601       30N       11W       07       4       3       2         SJ       00920       30N       11W       07       4       3       2         SJ       001567       30N       11W       07       4       4       2         SJ       00163       30N       11W       08       1       1         SJ       03154       30N       11W       08       1       1       4         SJ       03431       30N       11W       08       1       1       4         SJ       01668       30N       11W       08       2       2         SJ       018451       30N       11W       08       2       2         SJ       01814       30N       11W       08       2       2       1         SJ       03210       30N       11W       08       2       2       2         SJ       03240       30N       11W       08       2       2       2         SJ       03240       30N       11W       08       2       2       4         SJ       03653       30N       11W       08					
SJ       00918       30N       11W       07       4       3       2         SJ       00920       30N       11W       07       4       4       2         SJ       011657       30N       11W       07       4       4       2         SJ       00183       30N       11W       08       1       1         SJ       03154       30N       11W       08       1       4         SJ       0332       30N       11W       08       2       2         SJ       01451       30N       11W       08       2       2         SJ       01999       30N       11W       08       2       2         SJ       03210       30N       11W       08       2       2       2         SJ       03240       30N       11W       08       2       2       2         SJ       03240       30N       11W       08       2       2       2         SJ       03653       30N       11W       08       2       2       4         SJ       03646       30N       11W       08       2       4					
SJ       00920       30N       11W       07       4       4       2         SJ       01567       30N       11W       08       1       1         SJ       03154       30N       11W       08       1       4         SJ       03431       30N       11W       08       1       4         SJ       0332       30N       11W       08       2       2         SJ       01968       30N       11W       08       2       2         SJ       01999       30N       11W       08       2       2         SJ       0398       30N       11W       08       2       2         SJ       03240       30N       11W       08       2       2         SJ       03240       30N       11W       08       2       2         SJ       03240       30N       11W       08       2       2       4         SJ       03653       30N       11W       08       2       2       4         SJ       036646       30N       11W       08       2       4       2         SJ       03005<					
SJ       01567       30N       11W       07       4       4       2         SJ       00183       30N       11W       08       1       1         SJ       03431       30N       11W       08       1       1       4         SJ       03431       30N       11W       08       1       4         SJ       0332       30N       11W       08       2       2         SJ       01332       30N       11W       08       2       2         SJ       01999       30N       11W       08       2       2         SJ       03398       30N       11W       08       2       2       1         SJ       03210       30N       11W       08       2       2       2         SJ       03210       30N       11W       08       2       2       2         SJ       03210       30N       11W       08       2       2       2         SJ       03639       30N       11W       08       2       2       4         SJ       01115       30N       11W       08       2       4					
SJ       00183       30N       11W       08       1       1         SJ       03154       30N       11W       08       1       1       4         SJ       0332       30N       11W       08       1       4         SJ       00332       30N       11W       08       2       2         SJ       01451       30N       11W       08       2       2         SJ       01968       30N       11W       08       2       2         SJ       01968       30N       11W       08       2       2         SJ       01968       30N       11W       08       2       2       1         SJ       03210       30N       11W       08       2       2       2       2       3       3       3       3       11W       08       2       2       2       3       3       3       3       11W       08       2       2       2       3       3       3       3       3       3       1       1W       08       2       2       2       3       3       3       3       3       3       3 <t< th=""><th></th><th></th><th></th><th></th><th></th></t<>					
SJ       03154       30N       11W       08       1       1         SJ       03431       30N       11W       08       1       4         SJ       03322       30N       11W       08       2       2         SJ       01451       30N       11W       08       2       2         SJ       01999       30N       11W       08       2       2         SJ       01999       30N       11W       08       2       2         SJ       01814       30N       11W       08       2       2         SJ       03398       30N       11W       08       2       2       2         SJ       03240       30N       11W       08       2       2       2         SJ       03240       30N       11W       08       2       2       4         SJ       03639       30N       11W       08       2       2       4         SJ       03646       30N       11W       08       2       2       4         SJ       03305       30N       11W       08       2       4       2		-			
SJ       03431       30N       11W       08       1       4         SJ       00332       30N       11W       08       2       2         SJ       01451       30N       11W       08       2       2         SJ       01998       30N       11W       08       2       2         SJ       01814       30N       11W       08       2       2         SJ       03398       30N       11W       08       2       2         SJ       03210       30N       11W       08       2       2       2         SJ       03240       30N       11W       08       2       2       2         SJ       03639       30N       11W       08       2       2       4         SJ       03639       30N       11W       08       2       2       4         SJ       03653       30N       11W       08       2       2       4         SJ       03305       30N       11W       08       2       4       2         SJ       03305       30N       11W       08       2       4       2					
SJ       00332       30N       11W       08       2       2         SJ       01451       30N       11W       08       2       2         SJ       01968       30N       11W       08       2       2         SJ       01814       30N       11W       08       2       2         SJ       01814       30N       11W       08       2       2         SJ       03398       30N       11W       08       2       2       2         SJ       03210       30N       11W       08       2       2       2         SJ       03381       30N       11W       08       2       2       2         SJ       03240       30N       11W       08       2       2       4         SJ       03653       30N       11W       08       2       2       4         SJ       03646       30N       11W       08       2       4       2         SJ       03305       30N       11W       08       2       4       2         SJ       03305       30N       11W       08       2       4		-			
SJ       01451       30N       11W       08       2       2         SJ       01968       30N       11W       08       2       2         SJ       01999       30N       11W       08       2       2         SJ       01398       30N       11W       08       2       2         SJ       03210       30N       11W       08       2       2       2         SJ       03210       30N       11W       08       2       2       2         SJ       03210       30N       11W       08       2       2       2         SJ       03240       30N       11W       08       2       2       2         SJ       03639       30N       11W       08       2       2       4         SJ       03646       30N       11W       08       2       2       4         SJ       03646       30N       11W       08       2       4       2         SJ       03303       30N       11W       08       2       4       2         SJ       03303       30N       11W       08       2					
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SJ       01814       30N       11W       08       2       2         SJ       03398       30N       11W       08       2       2       1         SJ       03210       30N       11W       08       2       2       2         SJ       03098       30N       11W       08       2       2       2         SJ       03098       30N       11W       08       2       2       2         SJ       03240       30N       11W       08       2       2       2         SJ       03639       30N       11W       08       2       2       4         SJ       03653       30N       11W       08       2       2       4         SJ       036646       30N       11W       08       2       2       4         SJ       03202       30N       11W       08       2       4       2         SJ       03305       30N       11W       08       2       4       2         SJ       03303       30N       11W       08       2       4       2         SJ       03303       30N					
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41 39	9 27	32 12

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50 V1478	5011	T T AA	J	1	5	2

36 40	26 28	10 12
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47 46	11	35
50 50 26 37 61 50	20 6 12 10 20	30 20 25 51 30
50 33 40 60 45 36 210 20 59 63 44	11 11 28 15 19 50 5 25 35 29	22 29 32 30 17 160 15 34 28 15
100 93 100	63	30
57 55 55	37 30 10	20 25 45
60 90 80 72 80 140 70 62	30 30 24 30 40 30 32	$     \begin{array}{r}       60 \\       50 \\       48 \\       50 \\       100 \\       40 \\       30 \\     \end{array} $
70 50 225 325 225 180 92	30 90 150 89 80 52	20 135 175 136 100 40

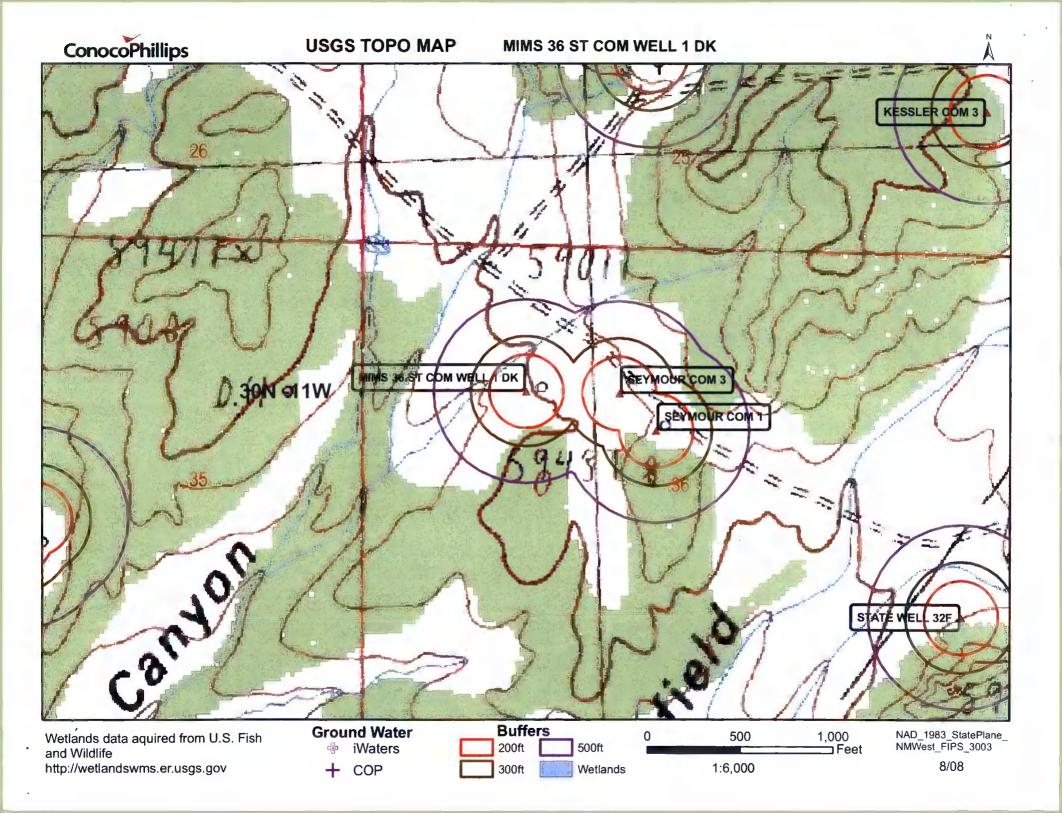
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SJ 01200	30N	11W 17	24	2			50	20	30
SJ 03219	30N	11W 17	24 31	2			68 35	38	30 27
SJ 00159	30N 30N	11W 17 11W 17	3 1	4			60	8 20	40
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SJ 03261	30N	11W 17	42				88	50	38
SJ 03215	30N	11W 18	1 1	3			52	9	43
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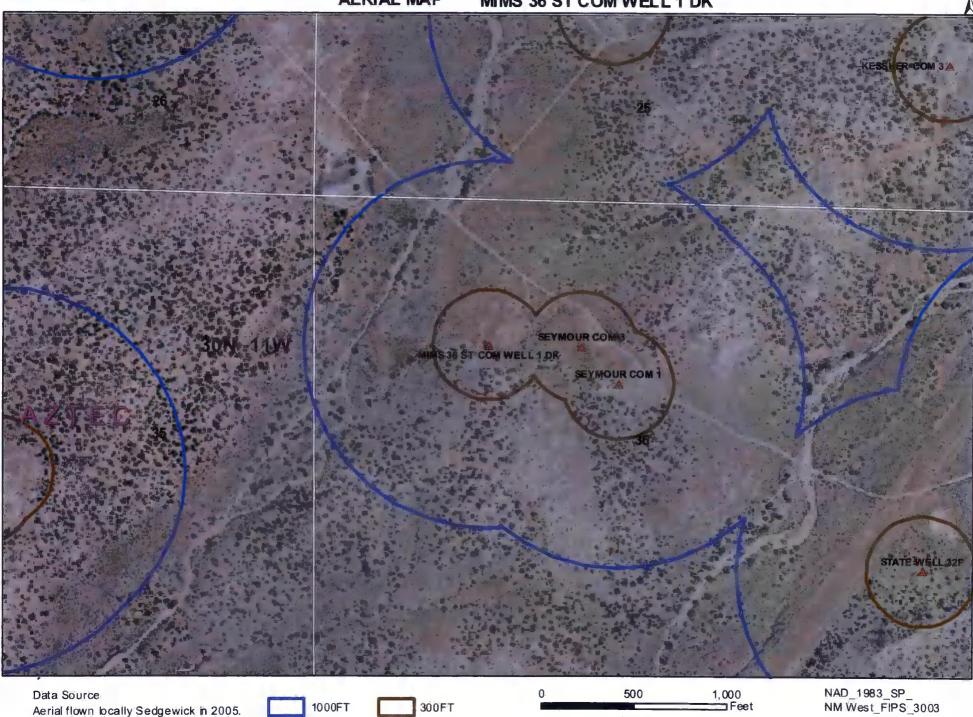
Page 6 of 6	
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Record Count: 303



# AERIAL MAP MIMS 36 ST COM WELL 1 DK



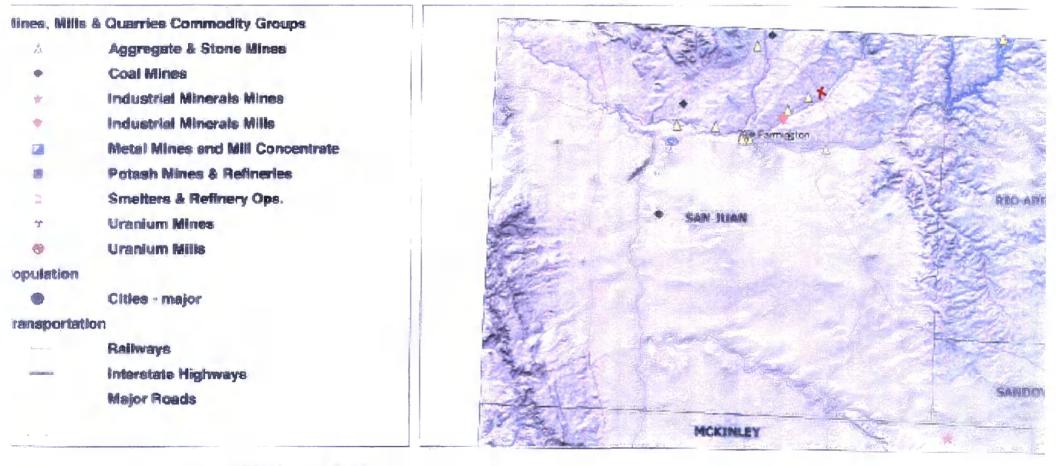
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# Mines, Mills and Quarries Web Map

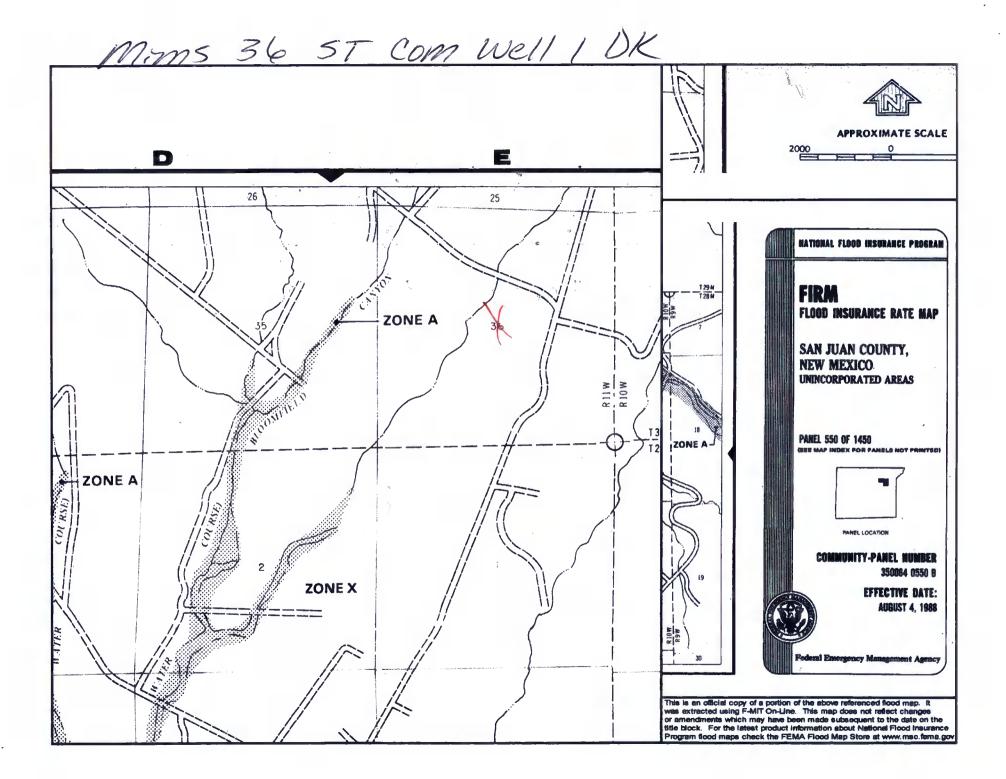
MIMS 36 ST COM WELL 1 DK

Unit Letter: , Section: 36, Town: 30N, Range: 11W









# MIMS 36 ST COM WELL 1DK

#### Site Specific Hydrogeology

A visual site inspection confirming the information contained herein was performed on the well 'MIMS 36 ST COM WELL 1 DK', which is located at 36.773998 degrees North latitude and 107.94799 degrees West longitude. This location is located on the Aztec 7.5' USGS topographic quadrangle. This location is in section 36 of Township 30 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 Aztec, located 4.2 miles to the northwest. The nearest large town (population greater than 10,000) is Farmington, located 14.6 miles to the west (National Atlas). The nearest highway is US Highway 550, located 1.7 miles to the west. The location is on State land and is 737 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 1805 meters or 5920 feet above sea level and receives 11.5 inches of rain each year. The vegetation at this location is classified as Colorado Plateau Pinon-Juniper Woodland as per the Southwest Regional Gap Analysis Program.

The estimated depth to ground water at this point is 93 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 165 feet to the northwest and is classified by the USGS as an intermittent stream. The nearest perennial stream is 1,165 feet to the northwest. The nearest water body is 1,112 feet to the northwest. It is classified by the USGS as an intermittent lake and is 0.2 acres in size. The nearest spring is 17,080 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 9,566 feet to the northwest. The nearest wetland is a 0.8 acre Freshwater Pond located 20,458 feet to the southeast. The slope at this location is 4 degrees to the southwest as calculated from USGS 30M National Elevation Dataset. This information is also discerned from the aerial and topographic map included. The surface geology at this location is NACIMIENTO FORMATION--Shale and sandstone with a Shale dominated formations of all ages substrate. The soil at this location is 'Stumble-Fruitland association, gently sloping' 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 13.4 miles to the north as indicated on the Mines, Mills and Quarries Map of New Mexico provided.

#### Regional Geological context:

The Nacimiento Formation is of Paleocene age (Baltz, 1967, p. 35). It crops out in a broad band inside the southern and western margins of the central basin and in a narrow band along the west face of the Nacimiento Uplift. The Nacimiento is a nonresistant unit and typically erodes to low, rounded hills or forms badland topography.

The Nacimiento Formation occurs in approximately only the southern two-thirds of the San Juan Basin where it conformably overlies and intertongues with the Ojo Alamo Sandstone (Fassett, 1974, p. 229). The Nacimiento Formation grades laterally into the main part of the Animas Formation (Fassett and Hinds, 1971, p. 34); thus, in this area, the two formations occupy the same stratigraphic interval.

Strata of the Nacimiento Formation were deposited in lakebeds in the central basin area with lesser deposition in stream channels (Brimhall, 1973, p. 201). In general, the Nacimiento consists of drab, interbedded black and gray shale with discontinuous, white, medium- to very coarse grained arkosic sandstone (Stone e al., 1983, p.30). Stone et al. indicated that the formation may contain more sandstone than commonly reported because some investigators assume the slope-forming strata in the unit area shales, whereas in many places the strata actually are poorly consolidated sandstones.

Total thickness of the Nacimiento Formation ranges from about 500 to 1,300 feet. The unit generally thickens from the basin margins toward the basin center (Steven et al., 1974). The sandstone deposits within the Nacimiento Formation are much thinner than the total thickness of the formation because their environment of deposition was localized stream channels (Brimhall, 1973, p. 201). The thickness of the combined San Jose, Animas, and Nacimiento Formations ranges from 500 to more than 3.500 feet.

#### Hydraulic Properties:

Reported well yields for 53 wells completed in either the Animas or Nacimiento Formations range from 2 to 90 gallons per minute and the median yield is 7.5 gallons per minute. The primary use of water from Nacimiento and Animas Formations is domestic and livestock supplies. There are no known aquifer tests for the Animas or Nacimiento Formations, but specific capacities reported for six wells range from 0.24 to 2.30 gallons per minute per foot of drawdown (Levings et al., 1990).

The Animas and Nacimiento Formations are in many ways hydrologically similar to the San Jose Formation because sands in both units produce approximately the same quantities of water. However, the greater percentage of fine materials in the Animas and Nacimiento Formations may restrict downward vertical leakage to the Ojo Alamo Sandstone or Kirtland Shale. The poorly cemented fine material is highly erodible, forms a badland terrain, and supports only spotty vegetation. These conditions are more conductive to runoff than retention of precipitation.

#### References:

Baltz, E.H., 1967, Stratigraphy and regional tectonic implications of part of Upper Cretaceous rocks, east-central San Juan Basin, New Mexico: USGS Professional Paper 552, 101 p.

Brimhall, R.M., 1973, Ground-water hydrology of Tertiary rocks of the San Juan Basin, New Mexico, in Fassett, J.E., ed., Cretaceous and Tertiary rocks of the Southern Colorado Plateau: Four Corners Geological Society Memoir, p. 197-207.

Fassett, J.E., 1974, Cretaceous and Tertiary rocks of the eastern San Juan Basin, New Mexico and Colorado, in Guidebook of Ghost Ranch, central-northern New Mexico: New Mexico Geological Society, 25th Field Conference, p. 225-230.

Fassett, J.E., and Hinds, J.S., 1971, Geology and fuel resources of the Fruitland Formation and Kirtland Shale of the San Juan Basin, New Mexico and Colorado: USGS Professional Paper 676, 76 p.

Levings, G.W., Craigg, S.d., Dam, W.L., Kernodle, J.M., and Thorn, C.R., 1990, Hydrogeology of the San Jose, Nacimiento, and Animas Formations in the San Juan structural basin, New Mexico, Colorado, Arizona, and Utah: USGS Hydrologic Investigations Atlas HA-720-A, 2 sheets.

Stone, W.J., Lyford, F.P., Frenzel, P.F., Mizell, N.H., and Padgett, E.T., 1983, Hydrogeology and water resources of San Juan Basin, New Mexico: New Mexico Bureau of Mines and Mineral Resources, Hydrologic Report 6.

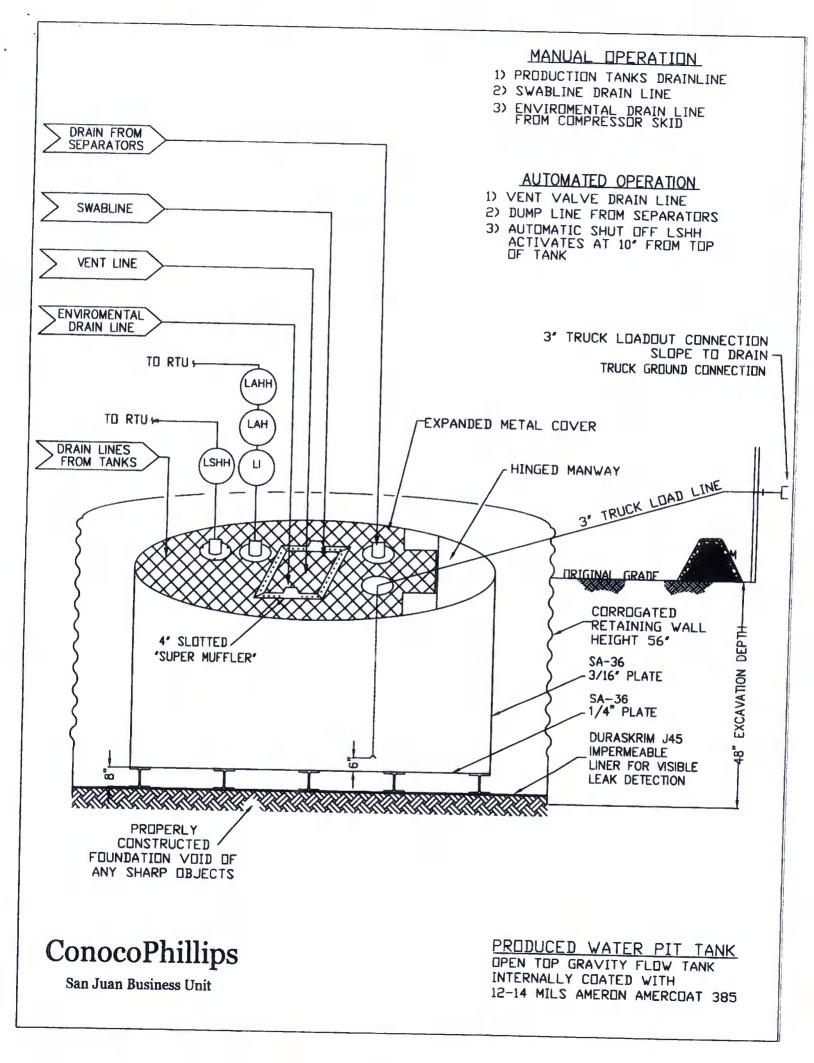
## ConocoPhillips Company San Juan Basin Below Grade Tank Design and Construction

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

## General Plan:

- 1. COPC will design and construct a properly sized and approved BGT which will contain liquids and should prevent contamination of fresh water to protect the public health and environment.
- 2. COPC signage will comply with 19.15.3.103 NMAC when COPC is the operator. If COPC is not the operator it will comply with 19.15.17.11NMAC. COPC includes Emergency Contact information on all signage.
- 3. COPC has approval to use alternative fencing that provides better protection. COPC constructs fencing around the BGT using 4 foot hog wire fencing topped with two strands of barbed wire, or with a pipe top rail. A six foot chain link fence topped with three strands of barbed wire will be use if the well location is within 1000 feet of permanent residence, school, hospital, institution or church. COPC ensures that all gates associated with the fence are closed and locked when responsible personnel are not onsite.
- 4. COPC will construct a screened, expanded metal covering, on the top of the BGT.
- 5. COPC shall ensure that a below-grade tank is constructed of materials resistant to the below-grade tank's particular contents and resistant to damage from sunlight as shown on design drawing and specification sheet.
- 6. The COPC below-grade tank system shall have a properly constructed foundation consisting of a level base free of rocks, debris, sharp edges or irregularities to prevent punctures, cracks or indentations of the liner or tank bottom as shown on design drawing.
- 7. COPC shall operate and install the below-grade tank to prevent the collection of surface water run-on. COPC has built in shut off devices that do not allow a below-grade tank to overflow. COPC constructs berms and corrugated retaining walls at least 6" above ground to keep from surface water run-on entering the below grade tank as shown on the design plan.
- 8. COPC will construct and use a below-grade tank that does not have double walls. The below-grade tank's side walls will be open for visual inspection for leaks, the below-grade tank's bottom is elevated a minimum of six inches above the underlying ground surface and the below-grade tank is underlain with a geomembrane liner to divert leaked liquid to a location that can be visually inspected.

- 9. COPC has equipped the below-grade tanks with the ability to detect high level in the tank and provide alarm notification and shutdown process streams into the tank. Once high level is detected RTU logic closes the inlet separator sales valve and does not permit vent valve to open. This shutdown of the sales valve and gagging of the vent valves prevents any hydrocarbon process streams from entering the pit tank once a high level is detected. Furthermore, an electronic page is sent to the COPC MSO for that well site and to the designated contract "Water-Hauling" Company indicating a high level and that action must be taken to address this alarm. The environmental drain line from COPC's compressor skid under normal operating conditions is in the open position. The environmental drain line is in place to capture any collected rain water or spilled lubricants from our compressor skids. The swab drain line is a manually operated drain and by normal operating procedures is in the closed position. The tank drain line is also a manually operated drain and during normal operations it is in the closed position.
- 10. The geomembrane liner consists of a 45-mil flexible LLDPE material manufactured by Raven Industries as J45BB. This product is a four layer reinforced laminated containing no adhesives. The outer layers consist of a high strength polyethylene film manufactured using virgin grade resins and stabilizers for UV resistance in exposed applications. The J45BB is reinforced with 1300 denier (minimum) tri-directional scrim reinforcement. It exceeds ASTMD3083 standard by 10%. J45BB has a warranty for 20 years from Raven Industries and is attached. It is typically used in Brine Pond, Oilfield Pit liner and other industrial applications. The manufacture specific sheet is attached and the design attached displays the proper installation of the liner.
- 11. The general specification for design and construction are attached in the COPC document.



 PROPERTIES
 TEST METHOD
 J30BB
 J36BB
 J

 Min. Roll
 Min. Roll
 Typical Roll
 Min. Roll
 J

 Averages
 Averages
 Min. Roll
 Averages
 Min. Roll

		Averages	Averages	Averages	Averages	Averages	Averages
Appearance		Blac	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		**Ext	rusion laminated	with encapsula			
Ply Adhesion	ASTM D 413	16 lbs	20 lbs	19 lbs	24 lbs	25 lbs	31 lbs
1" Tensile Strength	ASTM D 7003	88 lbf MD 63 lbf DD	110 lbf MD 79 lbf DD	90 lbf MD 70 lbf DD	113 lbf MD 87 lbf DD	110 lbf MD 84 lbf DD	138 lbf ME 105 lbf DD
1" Tensile Elongation @ Break % (Film Break)	ASTM D 7003	550 MD 550 DD	750 MD 750 DD	550 MD 550 DD	750 MD 750 DD	550 MD 550 DD	750 MD 750 DD
1" Tensile Elongation @ Peak % (Scrim Break)	ASTM D 7003	20 MD 20 DD	33 MD 33 DD	20 MD 20 DD	30 MD 31DD	20 MD 20 DD	36 MD 36 DD
Tongue Tear Strength	ASTM D 5884	75 lbf MD 75 lbf DD	97 lbf MD 90 lbf DD	75 lbf MD 75 lbf DD	104 lbf MD 92 lbf DD	100 lbf MD 100 lbf DD	117 lbf MD 118 lbf DD
Grab Tensile	ASTM D 7004	180 lbf MD 180 lbf DD	218 lbf MD 210 lbf DD	180 lbf MD 180 lbf DD	222 lbf MD 223 lbf DD	220 lbf MD 220 lbf DD	257 lbf MD 258 lbf DD
Trapezoid Tear	ASTM D 4533	120 lbf MD 120 lbf DD	146 lbf MD 141 lbf DD	130 lbf MD 130 lbf DD	189 lbf MD 172 lbf DD	160 lbf MD 160 lbf DD	193 lbf MD 191 lbf DD
* Dimensional Stability	ASTM D 1204	<1	<0.5	<1	<0.5	<1	<0.5
Puncture Resistance	ASTM D 4833	50 lbf	64 lbf	65 lbf	83 lbf	80 lbf	99 lbf
Maximum Use Temperature		180° F					
Minimum Use Temperature		-70° F					

MD = Machine Direction DD = Diagonal Directions

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

\*Dimensional Stability Maximum Value

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

Note: RAVEN INDUSTRIES MAKES NO WARRANTIES AS TO THE FITNESS FOR A SPECIFIC USE OR MERCHANTABILITY OF PRODUCTS REFERRED TO, no guarantee of satisfactory results from reliance upon contained information or recommendations and cisclaims 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** 

J4588

Typical Roll

# 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.

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 multi-skilled 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:**

- COPC shall close a below-grade tank within the time periods provided in Subsection A of 19.15.17.13 NMAC. This will include a) below-grade tanks that do not meet the requirements of Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC or is not included in Paragraph (5) of Subsection I of 19.15.17.11 NMAC within five years, if not retrofitted to comply with Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC; b) permitted below-grade tanks within 60 days of cessation of the below-grade tank's operation., or c) an earlier date that the division requires because of imminent danger to fresh water, public health or the environment. For any closure, COPC will file the C144 Closure Report as required.
- COPC shall remove liquids and sludge from a below-grade tank prior to implementing a closure method and shall dispose of the liquids and sludge in a division-approved facility. The facilities to be used will be Basin Disposal (Permit #NM-01-005) and Envirotech Land Farm (Permit #NM-01-011). The liner after being cleaned well (Subsection D, Paragraph 1, Subparagraph (m) of 19.15.9.712 NMAC) will be disposed of at the San Juan County Regional Landfill located on CR 3100.
- 3. COPC will receive prior approval to remove the below-grade tank and dispose of it in a division-approved facility or recycle, reuse, or reclaim it in a manner that the appropriate division district office approves. Documentation of how the below-grade tank was disposed of or recycled will be provided in the closure report.
- 4. If there is any on-site equipment associated with a below-grade tank, then COPC shall remove the equipment, unless the equipment is required for some other purpose.
- 5. COPC shall test the soils beneath the below-grade tank to determine whether a release has occurred. COPC shall collect, at a minimum, a five point, composite sample; collect individual grab samples from any area that is wet, discolored or showing other evidence of a release; and analyze for BTEX, TPH and chlorides to demonstrate that the benzene concentration, as determined by EPA SW-846 methods 8021B or 8260B or other EPA method that the division approves, does not exceed 0.2 mg/kg; total BTEX concentration, as determined by EPA SW-846 methods 8021B or 8260B or other EPA method that the division approves, does not exceed 50 mg/kg; the TPH concentration, as determined by EPA method 418.1 or other EPA method that the division approves, does not exceed 100 mg/kg; and the chloride concentration, as determined by EPA method 300.1 or other EPA method that the division approves, does not exceed 250 mg/kg, or the background concentration, whichever is greater. COPC shall notify the division of its results on form C-141.

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