Proposed Alternative	artment ation Division St. Francis Dr. Santa re, NM 87505 <u>Loop System, Below-Grad</u> e Method Permit or Closur	For temporary pits, closed-loop sytems, and below-grade tanks, submit to the appropriate NMOCD District Office. For permanent pits and exceptions submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.
<u>District IV</u> 220 S. St. Francis Dr., Santa Fe, NM 87505 <u>Pit, Closed-J</u> <u>Proposed Alternative</u>	Santa Fe, NM 87505 Loop System, Below-Grad	Environmental Bureau office and provide a copy to the
Pit, Closed-J Proposed Alternative		appropriate NMOCD District Office.
Proposed Alternative		e Tank or
_		
	t, closed-loop system, below-grade ta	
	it, closed-loop system, below-grade t	
	to an existing permit	
		ted or non-permitted pit, closed-loop system,
below-grade t Instructions: Please submit one application (Form (	ank, or proposed alternative method	n system helow grade tank or alternative request
Please be advised that approval of this request does not re		
environment. Nor does approval relieve the operator of its re-		
Operator: ConocoPhillips Company		OGRID#: 217817
Address: PO Box 4289, Farmington, NM 87499		
Facility or well name: SAN JUAN 28-7 UNIT 31		
API Number: 3003907344	OCD Permit Numbe	л:
J/L or Qtr/Qtr: <u>N</u> Section: <u>20</u> Town	nship: 28N Range:	7W County: Rio Arriba
Center of Proposed Design: Latitude: 36.64	Longitude:	-107.59819°W NAD: X 1927 1983
Surface Owner: X Federal State	Private Tribal Trust or India	n Allotment
Pit:       Subsection F or G of 19.15.17.11 NMAC         Temporary:       Drilling       Workover         Permanent       Emergency       Cavitation       P&A         Lined       Unlined       Liner type:       Thicknet         String-Reinforced       Inter Seams:       Welded       Factory       Other		HDPE PVC Other
Closed-loop System:       Subsection H of 19.15.17.11         Type of Operation:       P&A         Drying Pad       Above Ground Steel Tanks         Lined       Unlined         Liner Seams:       Welded	Workover or Drilling (Applies to notice of intent) Haul-off Bins	activities which require prior approval of a permit or
Visible sidewalls and liner Visible sidew.	d: Produced Water  tal sible sidewalls, liner, 6-inch lift and auto alls only	omatic overflow shut-off
Alternative Method:     Submittal of an exception request is required. Exceptions m	ust be submitted to the Santa Fe Enviror	mental Bureau office for consideration of approval

<ul> <li>6</li> <li>Fencing: Subsection D of 19.15.17.11 NMAC (Applies to permanent pit, temporary pits, and below-grade tanks)</li> <li>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</li> <li>Four foot height, four strands of barbed wire evenly spaced between one and four feet</li> <li>X Alternate. Please specify 4' hog wire fencing topped with two strands barbed wire.</li> </ul>	titution 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)		
8 Signs: Subsection C of 19.15.17.11 NMAC 12" X 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers X Signed in compliance with 19.15.3.103 NMAC		
9 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 const (Fencing/BGT Liner) Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.	sideration of a	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)		
- 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	XNo
- NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site.		
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended - Written confirmation or verification from the municipality; Written approval obtained from the municipality	Yes	XNo
<ul> <li>Within 500 feet of a wetland.</li> <li>US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site</li> </ul>	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.	Yes	XNo
- Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map		
Within a 100-year floodplain - FEMA map	Yes	XNo

Tremporary Pits, Emergency Pits Instructions: Each of the following ite	and Below-grade Tanks I ms must be attached to the am	Permit Application	on Attachment Checklist: Subsection B of 19.15.17.9 NMAC distance by a check mark in the box, that the documents are attached.
and a second sec			ts of Paragraph (4) of Subsection B of 19.15.17.9 NMAC
			equirements of Paragraph (2) of Subsection B of 19.15.17.9
			requirements of 19.15.17.10 NMAC
X Design Plan - based upon th			
X Operating and Maintenance			
19.15.17.9 NMAC and 19.1	5.17.13 NMAC	applicable) - based	d upon the appropriate requirements of Subsection C of
Previously Approved Design (at	tach copy of design)	API	or Permit
Geologic and Hydrogeologic	ms must be attached to the app Data (only for on-site closu Demonstrations (only for on e appropriate requirements (	olication, Please ind ure) - based upon -site closure) - bas of 19.15.17.11 NM	licate, by a check mark in the box, that the documents are attached. the requirements of Paragraph (3) of Subsection B of 19.15.17.9 sed upon the appropriate requirements of 19.15.17.10 NMAC MAC
	te Boxes 14 through 18, if a		I upon the appropriate requirements of Subsection C of 19.15.17.9
Previously Approved Design (at		API	
Previously Approved Operating		-	
reviously Approved Operating		API	
13 Dominant Dite Directo Annalizzati			
Permanent Pits Permit Applicati			
			ndicate, by a check mark in the box, that the documents are attached.
			Subsection B of 19.15.17.9 NMAC
		the appropriate r	equirements of 19.15.17.10 NMAC
Climatological Factors Asses			
Certified Engineering Design			
Lunk Detection Design has	al integrity Design: based u	pon the appropria	te requirements of 19.15.17.11 NMAC
Leak Detection Design - base			
Curlity Control/Ouslity Asso	ipationity Assessment - bas	sed upon the appro	opriate requirements of 19.15.17.11 NMAC
Quality Control/Quality Assu			
Operating and Maintenance	rian - based upon the appro	priate requiremen	ts of 19.15.17.12 NMAC
Nuisance or Hazardous Odo			requirements of 19.15.17.11 NMAC
Emergency Response Plan	s, including rizo, rievenno	ni man	
8	notorization		
Oil Field Waste Stream Char			
Monitoring and Inspection Pl	an		
Erosion Control Plan		S.C. Lawing C	
	: appropriate requirements (	of Subsection C of	f 19.15.17.9 NMAC and 19.15.17.13 NMAC
14 Promoted Classics 10.15.17.13.50			
Proposed Closure: 19.15.17.13 NN Instructions: Please complete the appl	icable boxes, Boxes 14 throug	zh 18. in regards to	the proposed closure plan.
	Emergency Cavitatio		Permanent Pit XBelow-grade Tank Closed-loop System
	te Excavation and Removal	(Relow C	rade Tank)
· <u> </u>	te Removal (Closed-loop sys		a au saik)
=	site Closure Method (only for		id closed-loop systems)
	In-place Burial		a coace toop systems)
	L L	On-site Trench	Institud to the Sente De Device of D
	mative Clustere Method (Exc	ceptions must be si	ubmitted to the Santa Fe Environmental Bureau for consideration)
15 Waste Excavation and Removal C Please indicate, by a check mark in the	losure Plan Checklist: (19 box, that the documents are	.15.17.13 NMAC) I attached.	nstructions: Each of the following items must be attached to the closure p
X Protocols and Procedures - ba			15.17.13 NMAC
			equirements of Subsection F of 19.15.17.13 NMAC
X Disposal Facility Name and P			
			requirements of Subsection H of 19.15.17.13 NMAC
X Re-vegetation Plan - based up			
			ction G of 19.15.17.13 NMAC
In one rectamation rian - Dased	apon me appropriate requi	rements of Subset	

16 Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel T	anks on Hoult off Bins Only (10.15.17.13 D. NMAC)	
bistructions: Please identify the facility or facilities for the disposal of liquids, drilling lug are required.	ids and drill cuttings. Use attachment if more than two fo	cilities
Disposal Facility Name: D	isposal Facility Permit #:	
	isposal Facility Permit #:	
Will any of the proposed closed-loop system operations and associated activities o Yes (If yes, please provide the information No		
Required for impacted areas which will not be used for future service and operations:		
Soil Backfill and Cover Design Specification - based upon the appropriate	requirements of Subsection H of 19.15.17.13 NMAC	
<ul> <li>Re-vegetation Plan - based upon the appropriate requirements of Subsectio</li> <li>Site Reclamation Plan - based upon the appropriate requirements of Subsection</li> </ul>		
one recommandon r har onsee upon the appropriate requirements of subset		
17 Siting Criteria (Regarding on-site closure methods only: 19.15.17.10 NMAC		
Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Reco certain siting criteria may require administrative approval from the appropriate district office or m for consideration of approval. Justifications and/or demonstrations of equivalency arc'required. F	ay be considered an exception which must be submitted to the !	v. 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 obtained	d from nearby wells	
Ground water is between 50 and 100 feet below the bottom of the buried waste		Yes No
- NM Office of the State Engineer - iWATERS database search; USGS: Data obtained	from nearby wells	
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 obtained	from nearby wells	N/A
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant (measured from the ordinary high-water mark).	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 exist - Visual inspection (certification) of the proposed site: Aerial photo: satellite image	tence at the time of initial application.	Yes No
		Yes No
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than fi purposes, or within 1000 horizontal fee of any other fresh water well or spring, in existence - NM Office of the State Engineer - iWATERS database; Visual inspection (certification	at the time of the initial application.	
Within incorporated municipal boundaries or within a defined municipal fresh water well f pursuant to NMSA 1978, Section 3-27-3, as amended.	ield covered under a municipal ordinance adopted	Yes No
<ul> <li>Written confirmation or verification from the municipality: Written approval obtained Within 500 feet of a wetland</li> </ul>	from the municipality	
<ul> <li>US Fish and Wildlife Wetland Identification map: Topographic map: Visual inspection</li> </ul>	n (certification) of the proposed site	Yes No
Within the area overlying a subsurface mine.		Yes No
- Written confiramtion or verification or map from the NM EMNRD-Mining and Miner	ral Division	
Within an unstable area.		Yes No
<ul> <li>Engineering measures incorporated into the design; NM Bureau of Geology &amp; Minera Topographic map</li> </ul>	I Resources: USGS; 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 th	e following items must bee attached to the closure	nlan Please indicate
by a check mark in the box, that the documents are attached.		promi i reuse marcure,
Siting Criteria Compliance Demonstrations - based upon the appropriate req		
Proof of Surface Owner Notice - based upon the appropriate requirements of	f Subsection F of 19.15.17.13 NMAC	
Construction/Design Plan of Burial Trench (if applicable) based upon the ap		
Construction/Design Plan of Temporary Pit (for in place burial of a drying p		15.17.11 NMAC
Protocols and Procedures - based upon the appropriate requirements of 19.1.		
Confirmation Sampling Plan (if applicable) - based upon the appropriate req		
Waste Material Sampling Plan - based upon the appropriate requirements of		
Disposal Facility Name and Permit Number (for liquids, drilling fluids and d		ot be achieved)

Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC

Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC

Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

Decision         Control contro contro control control control control control control control	19		
Numeric:       Crystal Tudy:       Tak:       Regulatory Takin:         Signature:       Crystal Duff, San       1222/2008         and laddress:			
Spanne:	I hereby certify that the information submitted with this application is true, accurately accurately applied to the second secon	irate and complete to the b	est of my knowledge and belief.
e mail address:	Name (Print): Crystal Tafoya	Title:	Regulatory Technician
e mail address:	Signature: Cyclef Define	Date:	12/22/2008
GAD Approval:       Permit Applexation (including closure plan)       Closure Plan (only)       OCD Conditions (see attachment)         GAD Representative Nignature:		Telephone:	505-326-9837
GAD Approval:       Permit Applexation (including closure plan)       Closure Plan (only)       OCD Conditions (see attachment)         GAD Representative Nignature:			
OCD Representative Nignetar:			
Till:       OCD Permit Number:         23         Channel Mark Expect Construction for the data on option of data of the construction in the construction in the data on option of data of the complete in the origin of channel and shmitling, the cleaner expect is complete fib working of the lower matter is a simulation.         24         Channel Mark Expect Construction in the data on option of data of the complete in the origin of channel and mark complete fib working of the lower matter is a simulation.         25         Channel Mark Expect Construction in the data on option of data of the complete in the origin of the lower mark is a simulation.         26         Channel Mark Expect Construction in the channel working is a simulation.         27         28         Construction and Removal	OCD Approval: Permit Application (including closure plan)	Closure Plan (only)	OCD Conditions (see attachment)
Tile:	OCD Representative Signature:		Annroval Date:
Second Seco			
Character Report Creductory Linking 40 days and equationality. Sub-const CA 115 21 21 20 ACC.         Tation mons. Operations are equation to during an equation of the construction of the c	Title:	OCD Permi	it Number:
Character Report Creductory Linking 40 days and equationality. Sub-const CA 115 21 21 20 ACC.         Tation mons. Operations are equation to during an equation of the construction of the c	11		
Instructions: Operations are required to obtain an upproved closure plan prior to implementing any closure science do not complete this sortian of the isoance and interse. Planes do not complete this sortian of the isoance and interse. Planes do not complete this sortian of the isoance and interse. Planes do not complete this sortian of the isoance and interse. Planes do not complete this sortian of the isoance and interse. Planes do not complete this sortian of the isoance and interse. Planes do not complete this sortian of the isoance and interse. Planes do not complete this sortian of the isoance and interse. Planes do not complete this sortian of the isoance and interse. Planes do not complete this sortian of the isoance and interse. Planes do not complete this sortian of the isoance and interse. Planes do not complete this sortian of the isoance and isoance is and the isoance and isoance isoance plane. Planes do not complete the isoance and isoance isoance planes do not complete the isoance and isoance isoance plane. Planes do not complete the isoance and isoance isoance isoance isoance planes do not complete the isoance and isoance isoance isoance isoance and isoance isoance and isoance isoance and isoance isoance and operations. Planes do not isoance and isoance isoance isoance and operations and associated activities performed not investore and operations. Planes and associated activities performed not investore and operations. Planes and associated activities performed not investore and operations. Planes and associated activities performed not investore and operations and associated activities performed not investore and operations. Planes and associated activities performed not investore and operations. Planes and associated activities performed not investore and operations. Planes and associated activities performed not investore and operations. Planes and associated activities performed not investore and operations. Planes and associated activities performed not investore and operations. Planes and			
<pre>tryperior is trequired to the submitted to the division within 60 datas of the completion of the issues: A writes. Please do not complete this social of the jorns unit an ignore delease plan has been obtained and the closure excitics have been completion.</pre>	Instructions: Operators are required to obtain an approved closure plan prior to	o implementing any closur	e activities and submitting the closure report. The closure
Closure Completion Date:     Construction: Closure Method:     Alternative Closure Method:     Disposed Facility Permit Number:     Alternative Closure Information:     Alternative Information:     Al	report is required to be submitted to the division within 60 days of the completion	m of the closure activities.	Please do not complete this section of the form until an
23 24 24 25 25 26 26 27 27 27 27 27 27 27 27 27 27 27 27 27	approved closure plan has been obtained and the closure activities have been ca	,	
Closure Method:		Closure	Completion Date:
Wate Excavation and Removal       On-site Closure Method       Material Scavation and Removal (Closed-Joop Systems only)         'I different from approved plan, please explain.''       Closure Report Regarding Waste Removal Closure For Closed-Joop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only:         That was identify the facility or facilities for where the liquids, drilling fluids and drill custings were dilposed. Use attachment if more than two facilities were utilized.         Disposal Facility Name:       Disposal Facility Permit Number:         Disposal Facility Series'       Disposal Facility Permit Number:         Other Report Attachment Checkligg:       Internations which will not be used for future service and operations:         Soil Backfilling and Cover Installation       Here documentation or on stee Closure         Proof of Closure Notice (surface owner and division)       Proof of Closure Notice (surface owner and division)         Proof of Closure Notice (surface owner and discustion)       Here documentation or on steclo	22		
23         23         Chearer Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only:         Instructions: Please identify the facility of facilities for where the liquid, drilling fluids and drill cuttings were disposed. Use attachment if more than two facilities are the set of the facility Name:         Disposed Facility Name:       Disposed Facility Permit Number:         Disposed Facility Name:       Disposed Facility Permit Number:         Were the closed-loop system operations and associated activities performed on or in area stat will not be used for future service and upcartions?         Were the closed-loop system operations and associated activities performed on or in areas that will not be used for future service and upcartions?         Were the closed-loop system operations and associated activities performed on or in areas that will not be used for future service and upcartions?         Were the closed-loop system operations and associated activities performed on or in areas that will not be used for future service and upcartions?         Net Reclamation (Photo Documentation)         Soil Backfilling and Cover Installation         Recover Report Attachment Checklist; Instructions: Each of the following items must be anached to the closure report. Please indicate, by a check mark in the bocuments are attached.         Proof of Closure Notice (surface owner and division)       Proof of Closure Notice (surface owner and division)         Proof of Closure Notice (surface owner and division)       Name (Prmin Num	Closure Method:		
23         Choure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only:       Instructions: Place identify the facility or facilities for where the liquids, drilling fluids and drill cuttings were disposed. Use attachment if more than two facilities          Disposal Facility Name:	Waste Excavation and Removal On-site Closure Method	Alternative Closure N	Aethod Waste Removal (Closed-loop systems only)
Course Report Regarding Waste Removal Closure Fer Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only:         Instructions: Please identify the facility or facilities for where the liquids, drilling fluids and drill cuttings were disposed. Use attachment if more than two facilities were utilized.         Disposal facility Name:	If different from approved plan, please explain.		
Instructions: Plane identify the facility or facilities for where the liquids, drilling fluids and drill cuttings were disposed. Use attachment if more than two facilities were utilized. Disposal facility Parmi: Disposal Facility Permit Number: Disposal Facility Permit Number: Disposal Facility Permit Number: Disposal Facility Permit Number: Permit Number: Disposal Facility Permit Number: Disposal Facility Permit Number: Permit Number: Disposal Facility Permit Number: Permit Number: Permit Number: Disposal Facility Permit Number: Permit Number: Disposal Facility Permit Number: Permit Number: Disposal Facility Permit Number: Permit Number: Permit Number: Disposal Facility Permit Number: Permit Number: Permit Number: Permit Number: Permit Number: Disposal Facility Permit Number: Permit Number:	23		
wree atlierded       Disposal Facility Permit Number:         Disposal Facility Name:       Disposal Facility Permit Number:         Wree the closed-loop system operations and associated activities performed on or in areas that will not be used for future service and operations?         Post If yes, please demonstrate compliane to the items below)       No         Required for impacted areas which will not be used for future service and operations:       No         Site Reclamation (Photo Documentation)       No         24       Soil Backfilling and Cover Installation         25       Closure Report Attachment Checkleigt; Instructions: Each of the following items must be attached to the closure report. Please indicate, by a check mark in the box, that the documents are attached.         26       Closure Report Attachment Checkleigt; Instructions: Each of the following items must be attached to the closure report. Please indicate, by a check mark in the box dist are attached.         27       Proof of Closure Notice (surface owner and division)         28       Proof of Decel Notice (required for on-site closure)         29       Disposal Facility Name and Permit Number:         20       Disposal Facility Name and Permit Number         21       Disposal Facility Name and Permit Number         22       Disposal Facility Name and Permit Number         23       Disposal Facility Name and Permit Number         24       Disposal Facility	Closure Report Regarding Waste Removal Closure For Closed-loop Systems	s That Utilize Above Gro	und Steel Tanks or Haul-off Bins Only:
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 operations?       No         Post If yes, please demonstrate compliance to the items below       No         Required for impacted areas which will not be used for future service and operations:       No         Site Acclamation (Theto Documentation)       No         Betwee the documents are attached.       No         Proof of Closure Notice (surface owner and division)       Proof of Deed Notice (required for on-site closure)         Proof of Deed Notice (required for on-site closure)       Proof of Deed Notice (required for on-site closure)         Proof of Deed Notice (required for on-site closure)       Proof of Deed Notice (required for on-site closure)         Proof of Deed Notice (required for on-site closure)       Proof of Deed Notice (required for on-site closure)         Disposal Facility Name and Permit Number       Disposal Facility Name and Seeding Technique         So Backfilling and Cover Installation       Re-vegetation Application Rates and Seeding Technique         Disposal Facility Name and Permit Number       Longitude:       NAD         Operation Closure Location:       Latitude:       Longitude:       NAD         Disposal Facility Name and Seedin	Instructions: Please identify the facility or facilities for where the liquids, drill	ling fluids and drill cutting	gs were disposed. Use attachment if more than two facilities
Disposal Facility Name:       Disposal Facility Permit Number:         We the closed-loop system operations and associated activities performed on or in areas that will nor be used for future service and operations?         Ps(If yes, please demonstrate compliane to the items below)       No         Required for impacted areas which will not be used for future service and operations?       Site Reclamation (Photo Documentation)         Soil Backfilling and Cover Installation       Revergetation Application Rates and Seeding Technique         24       Closure Report Attachment Checklist: Instructions: Each of the following items must be attached 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 Closure Notice (surface owner and division)         Proof of Closure Notice (surface owner and division)       Proof of Closure Notice (surface owner and division)         Proof of Closure Notice (surface owner and division)       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)       Disposal Facility Name and Permit Number         Soil Backfilling and Cover Installation       Re-vegetation Application Rates and Seeding Technique         Site Reclamation (Photo Documentation)       Name (Print)       NAD       1927       1983		Disposal Facility P	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 operations?         Yes (If yes, please demonstrate compliane to the items below)       No         Required for impacted areas which will not be used for future service and operations:       No         Site Reclamation (Photo Documentation)       No         Re-vegetation Application Rates and Seeding Technique       Proof of Closure Notice (required for on-site closure)         Proof of Closure Notice (required for on-site closure)       Proof of Closure Notice (required for on-site closure)         Plot Plan (for on-site closure)       Site Reclamation (Photo Bacylication Rates and Seeding Technique         Waste Material Sampling Analytical Results (if applicable)       Waste Material Sampling Analytical Results (if applicable)         Waste Closure Contention       No       NAD         Site Reclamation (Photo Documentation)       On-site Closure certification         On-site Closure Location:       Laitude:       Longitude:       NAD       1927       1983			
Yes (If yes, please demonstrate complitance to the items below)       No         Required for impacted areas which will not be used for future service and operations:       Site Reclamation (Photo Documentation)         Site Reclamation (Photo Documentation)       Soil Backfilling and Cover Installation         24       Closure Report Attachment Checklist; Instructions: Each of the following items must be attached 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)       Soil Backfilling and Cover Installation         Generation Application Rates and Seeding Technique       Soil Backfilling and Cover Installation         Be vegetation Application Rates and Seeding Technique       Soil Backfilling and Cover Installation         Be vegetation Application Rates and Seeding Technique       Soil Backfilling and Cover Installation         Be vegetation Application Rates and Seeding Technique       Soil Backfilling and Cover Installation         Be vegetation Application Rates and Seeding Technique       Soil Backfilling and Cover Installation         Be vegetation Application Rates and seeding Technique       Soil Backfilling and Cover Installation         Be vegetation Application Rates and seeding Technique       Soil Backfilling and Cover Installation         Be vegetation Applications and unduition subinitied with this closure repo			
Soit Backfilling and Cover Installation         Re-vegetation Application Rates and Seeding Technique         24         Closure Report Attachment Checklist: Instructions: Each of the following items must be attached 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)         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         Or-site Closure Location: Latitude:         Longitude:       NAD         Or-site Closure Certification:         Thereby certify that the information and attachments submitted with this closure report is ture, accurate and complete to the best of my knowledge and belief. Talso certify that the closure complices with all applicable closure requirements and conditions specified in the approved closure plan.         Name (Print):       Title:         Signature:       Date:		-	
Soil Backfilling and Cover Installation         Re-vegetation Application Rates and Seeding Technique         24         Closure Report Attachment Checklist; Instructions: Each of the following items must be attached to the closure report. Please indicate, by a check mark in         in 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:         Construction:       Latitude:         Construction:       Latitude:         Longitude:       NAD       1927       1983	Required for impacted areas which will not be used for future service and op	erations:	
24         25         26         27         28         29         29         29         20         21         22         23         24         25         25         26         27         29			
24         Closure Report Attachment Checklist; Instructions: Each of the following items must be attached 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:         Lineeby certify that the information and attachments submitted with this closure report is ture, accurate and complete to the best of my knowledge and belief. Talso certify that the closure complices with all applicable closure requirements and conditions specified in the approved closure plan.         Name (Print):       Title:         Signature:       Date:			
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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			
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Re-vegetation Application Rates and Seeding Technique  Site Reclamation (Photo Documentation) On-site Closure Location: Latitude: Longitude: NAD 1927 1983	Soil Backfilling and Cover Installation		
On-site Closure Location: Latitude:Longitude:NAD [ 1927 [ 1983]			
25 Operator Closure Certification: I hereby certify that the information and attachments submitted with this closure 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 specified in the approved closure plan. Name (Print): Signature: Date:	Site Reclamation (Photo Documentation)		
Operator Closure Certification:         I hereby certify that the information and attachments submitted with this closure report is ture, accurate and complete to the best of my knowledge and belief. Talso certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.         Name (Print):       Title:         Signature:       Date:	On-site Closure Location: Latitude:	Longitude:	NAD 1927 1983
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the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.          Name (Print):       Title:         Signature:       Date:			
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Signature: Date:	the closure complies with all applicable closure requirements and conditions spe	cified in the approved clos	sure plan.
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e-mail address: Telephone:	Signature:	Date:	
	e-mail address:	Telephone:	

New Mexico Office of the State Engineer

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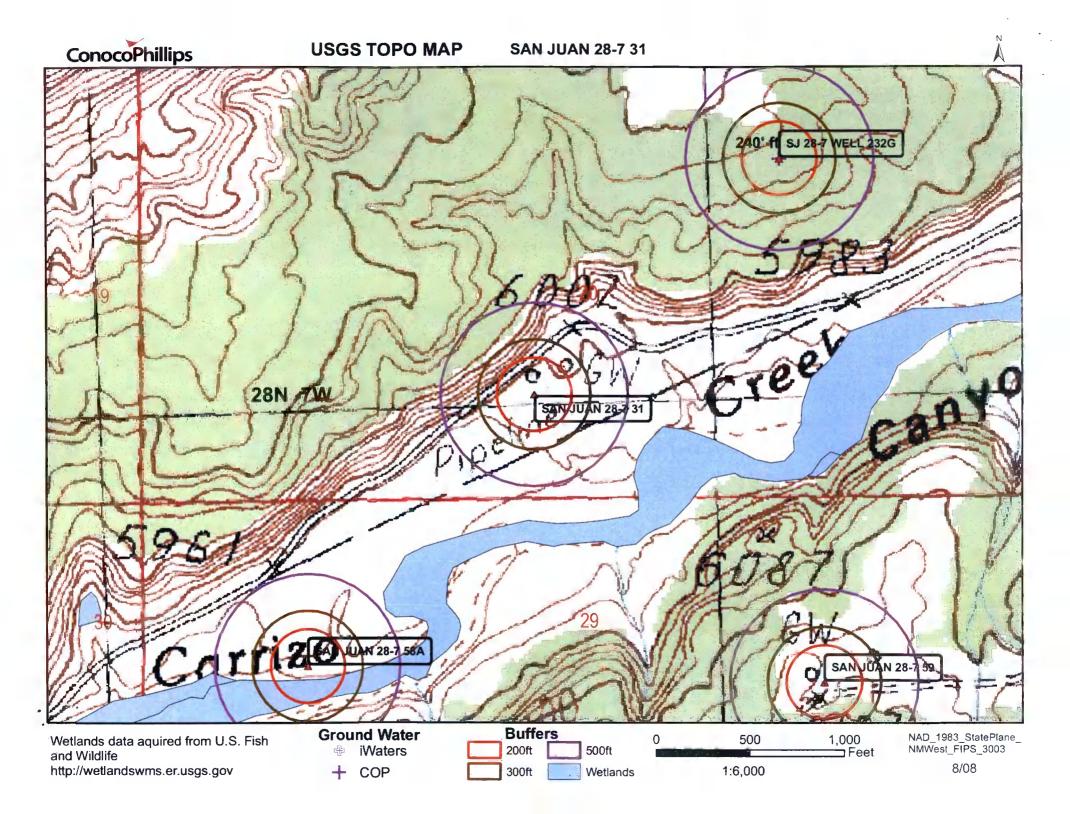
Page	1	of	1
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	Mexico Office of the State Engineer POD Reports and Downloads
Township: 28N Range	e: 07W Sections:
NAD27 X: Y:	Zone: Search Radius:
County: Basin:	Number: Suffix:
Owner Name: (First)	(Last) CNon-Domestic CDomestic GAll
POD / Surface Data Report	Avg Depth to Water Report Water Column Report
Clear	Form IWATERS Menu Help

### WATER COLUMN REPORT 08/21/2008

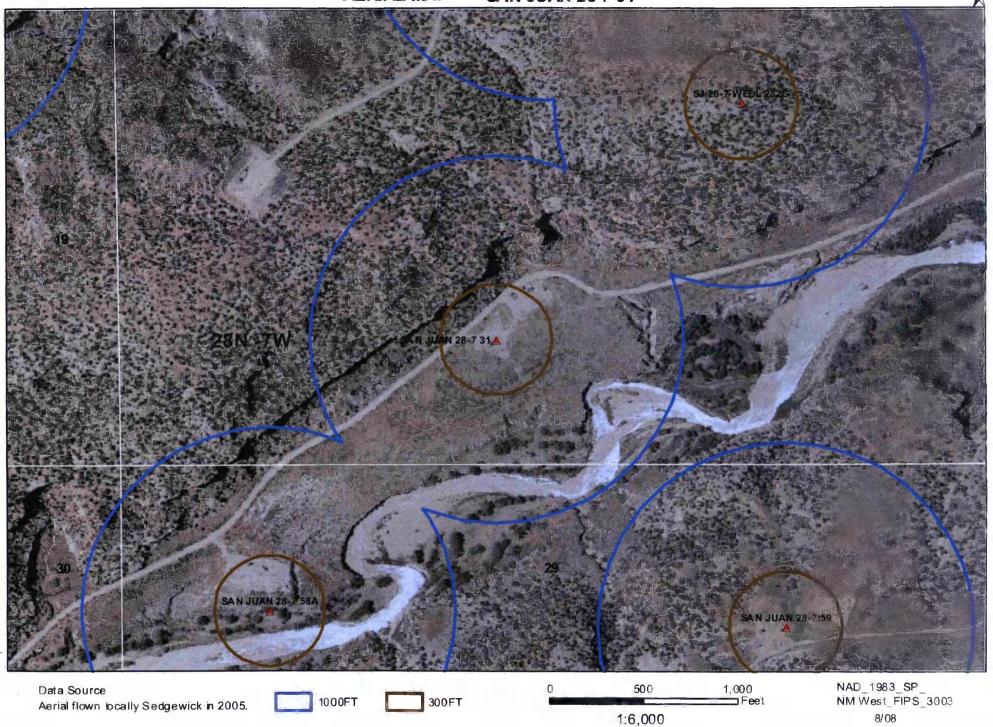
							3=SW 4=SE) smallest)			Depth	Depth	Water (in
POD Number	Tws	Rng	Sec	đ	đ	Ð	Zone	х	Y	Well	Water	Column
SJ 00002	28N	07W	14	1						375		
SJ 03116	28N	07W	21	3	3	3				98	2.0	78

Record Count: 2



# ConocoPhillips

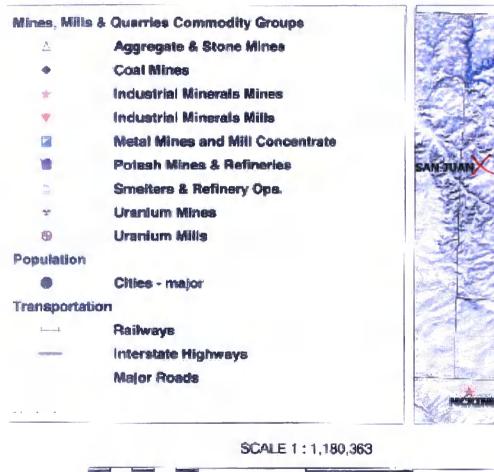
# AERIAL MAP SAN JUAN 28-7 31



# Mines, Mills and Quarries Web Map

SAN JUAN 28-7 31

Unit Letter: N, Section: 20, Town: 028N, Range: 007W



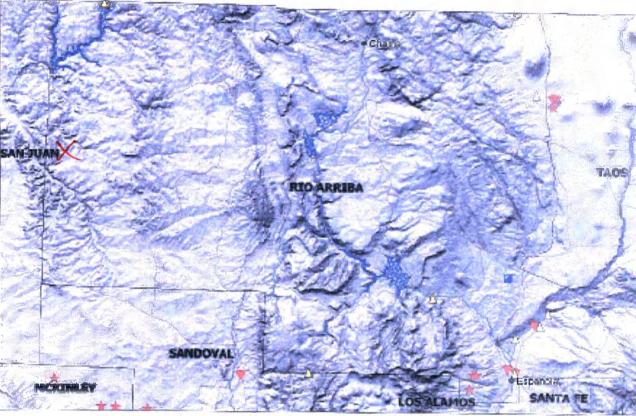
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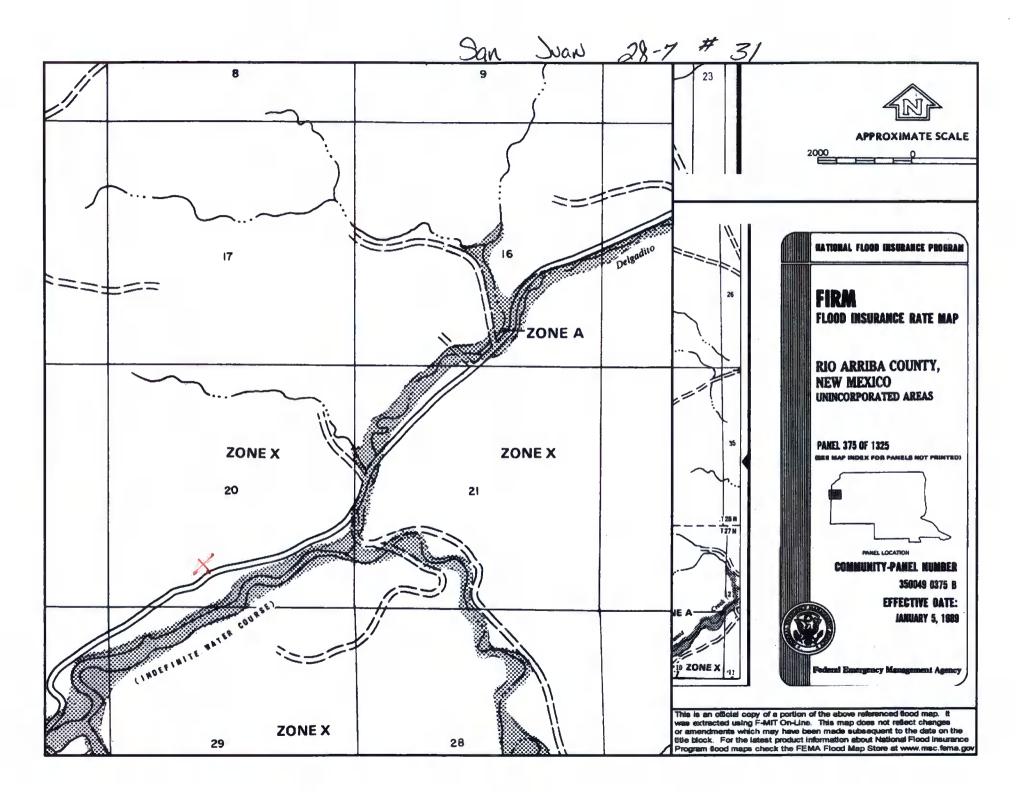
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### **SAN JUAN 28-7 UNIT 31**

#### Site Specific Hydrogeology

A visual site inspection confirming the information contained herein was performed on the well 'SAN JUAN 28-7 UNIT 31', which is located at 36.641239 degrees North latitude and 107.59819 degrees West longitude. This location is located on the Delgadito Mesa 7.5' USGS topographic quadrangle. This location is in section 20 of Township 28 North Range 7 West of the Public Land Survey System (New Mexico Principal Meridian). This location is located in Rio Arriba county, New Mexico. The nearest town is Turley, located 12.7 miles to the northwest. The nearest large town (population greater than 10,000) is Farmington, located 34.3 miles to the west (National Atlas). The nearest highway is US Highway 64, located 6.1 miles to the northeast. The location is on BLM land and is 629 feet from the edge of the parcel as notated in the BLM land status layer updated January 2008. This location is in the Blanco Canyon. New Mexico, Subbasin. This location is located 1823 meters or 5979 feet above sea level and receives 12.5 inches of rain each year. The vegetation at this location is classified as Inter-Mountain Basins Semi-Desert Shrub Steppe as per the Southwest Regional Gap Analysis Program.

The estimated depth to ground water at this point is 36 feet. This estimation is based on the data published on the New Mexico Engineer's iWaters Database website and water depth data from ConocoPhillips' Cathodic wells. Groundwater data available from the NM State Engineer's iWaters Database for wells near the proposed site are attached. The nearest stream is named Carrizo Creek and is 610 feet to the southeast and is classified by the USGS as a perennial stream. The nearest perrenial stream is named Carrizo Creek and is 610 feet to the southeast. The nearest water body is 2,950 feet to the east. It is classified by the USGS as a perennial lake and is 0.1 acres in size. The nearest spring is 6,953 feet to the south. 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 1,600 feet to the northeast. The nearest wetland is a 100.3 acre Ravine located 496 feet to the southeast. The slope at this location is 3 degrees to the south as calculated from USGS 30M National Elevation Dataset. This information is also discerned from the aerial and topographic map included. The surface geology at this location is SAN JOSE FORMATION --Siltstone, shale, and sandstone with a Sandstone dominated formations of all ages substrate. The soil at this location is 'Sparank-San Mateo silt loams, saline, sodic, 0 to 3 percent slopes' and is well drained and not hydric with slight erosion potential as taken from the NRCS SSURGO map unit, downloaded January 2008. The nearest underground mine is 19.8 miles to the northeast as indicated on the Mines, Mills and Quarries Map of New Mexico provided.

#### Regional Hydrogeological context:

The San Jose Formation of Eocene age occurs in New Mexico and Colorado, and its outcrop forms the land surface over much of the eastern half of the central basin. It overlies the Nacimiento Formation in the area generally south of the Colorado-New Mexico State line and overlies the Animas Formation in the area generally north of the State line. The San Jose Formation was deposited in various fluvial-type environments. In general, the unit consists of an interbedded sequence of sandstone, siltstone, and variegated shale. Thickness of the San Jose Formation generally increases from west to east (200 feet in the west and south to almost 2,700 feet in the center of the structural basin). Ground water is associated with alluvial and fluvial sandstone aguifers. Thus, the occurrence of ground water is mainly controlled by the distribution of sandstone in the formation. The distribution of such sandstone is the result of original depositional extent plus any post-depositional modifications, namely erosion and structural deformation. Transmissivity data for San Jose Formation are minimal. Values of 40 and 120 feet squared per day were determined from two aquifer tests (Stone et al, 1983, table 5). The reported or measured discharge from 46 water wells completed in San Jose Formation ranges from 0.15 to 61 gallons per minute and the median is 5 gallons per minute. Most of the wells provide water for livestock and domestic use. The San Jose Formation is a very suitable unit for recharge from precipitation because soils that form on the unit are sandy and highly permeable and therefore readily adsorb precipitation. However, low annual precipitation, relatively high transpiration and evaporation rates, and deep dissection of the San Jose Formation by the San Juan River and its tributaries all tend to reduce the effective recharge to the unit.

Stone et al., 1983, Hydrogeology and Water Resources of the San Juan Basin, New Mexico: Socorro, New Mexico Bureau of Mines and Mineral Resources Hydrologic Report 6, 70 p.

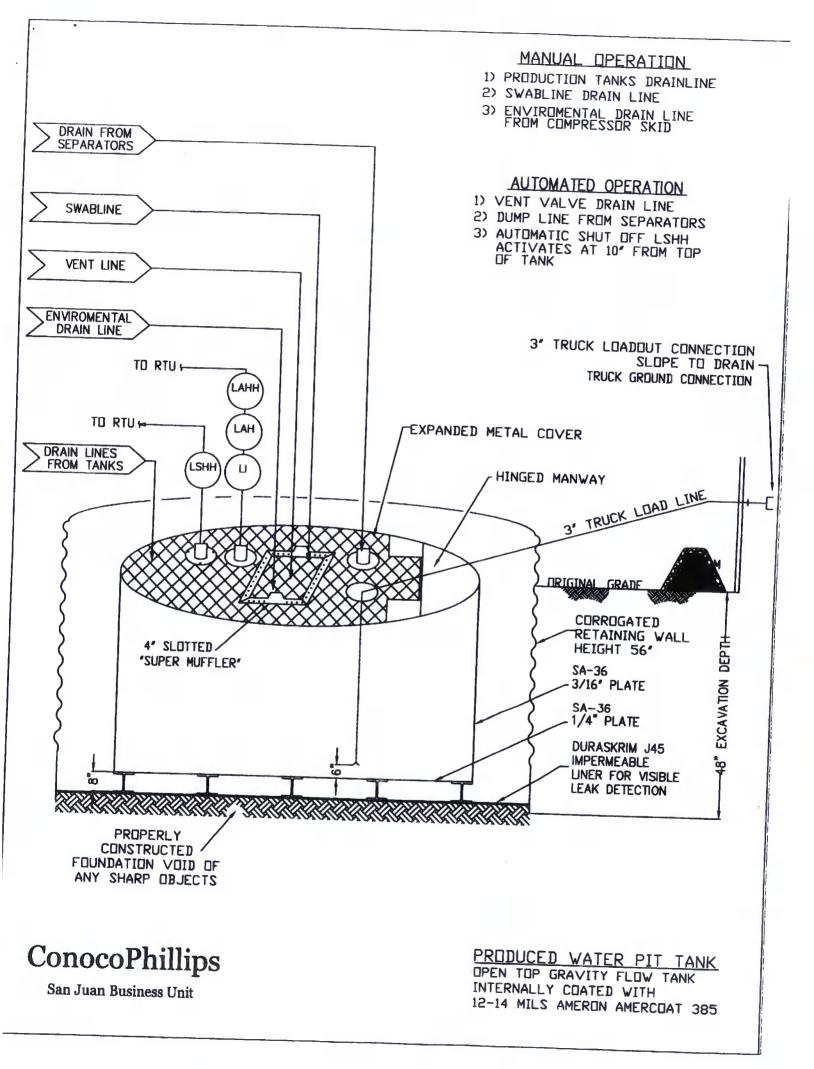
# ConocoPhillips Company San Juan Basin Below Grade Tank Design and Construction

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

# General Plan:

- 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.



# DURA-SKRIM®

# J30, J36 & J45

PROPERTIES	TEST METHOD	J. J. J.	3088	J	68 <b>8</b>		J4588		
A		Min. Roll Averages	Typical Roll Averages	Min. Roll Averages	Typical Roll Averages	Au	Typical Rol		
Appearance		Bla	ck/Black	Blac	k/Black		Averages		
Thickness	ASTM D 5199	27 mil	30 mil	32 mil	36 mil				
Weight Lbs Per MSF (oz/yd²)	F ASTM D 5261 12		140 lbs (20.16)	151 lbs (21.74)	168 lbs	40 mil 189 lbs	45 mil 210 lbs		
Construction		**Ext			(24.19)	(27.21)	(30.24)		
Ply Adhesion	ASTM D 413	16 lbs	rusion laminate		ated tri-directio	nal scrim reinfo	rcement		
			20 lbs	19 lbs	24 lbs	25 lbs	31 lbs		
1" Tensile Strength	ASTM D 7003	88 lbf MD 63 lbf DD	110 lbf MD 79 lbf DD	90 lbf MD 70 lbf DD	113 lbf MD 87 lbf DD	110 lbf MD 84 lbf DD	138 lbf MD 105 lbf DD		
1" Tensile Elongation @ Break % (Film Break)	ASTM D 7003	550 MD 550 DD	750 MD 750 DD	550 MD 550 DD	750 MD 750 DD	550 MD	750 MD		
1" Tensile Elongation @ Peak % (Scrim Break)	ASTM D 7003	20 MD 20 DD	33 MD 33 DD	20 MD 20 DD	30 MD 31DD	550 DD 20 MD 20 DD	750 DD 36 MD 36 DD		
Tongue Tear Strength	ASTM D 5884	75 lbf MD 97 lbf MD 75 lbf DD 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 ibf MD 160 ibf DD	193 lbf MD 191 lbf DD		
Dimensional Stability	ASTM D 1204	<1	<0.5	<1	<0.5				
Puncture Resistance	ASTM D 4833	50 lbf	64 lbf			<1	<0.5		
Aaximum Use Temperature				65 lbf	83 lbf	80 lbf	99 lbf		
Ainimum Use Temperature		180° F	180° F	180° F	180° F	180° F	180° F		
D = Machine Direction		-70° F	-70° F	-70° F	-70° F	-70° F	-70° F		

MD = Machine Direction DD = Diagonal Directions

OURA STARMS

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** 

08/06

# RAVEN INDUSTRIES INC. EXPOSED GEOMEMBRANE LIMITED WARRANTY

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

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 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 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.

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# 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:

- 1. 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 50 mg/kg; and the chloride concentration, as determined by EPA method 300.1 or other EPA method that the division approves, does not exceed 100 mg/kg; and the 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.
- 9. 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