District I

1625 N French Dr., Hobbs, NM 88240

District II

1301 W. Grand Ave , Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

Type of action:

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

> Department Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

July 21, 2008 For temporary pits, closed-loop sytems, and below-grade

Form C-144

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

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

X Permit of a pit, closed-loop system, below-grade tank, or proposed alternative method

	em, below-grade tank, or proposed alternative method
Modification to an existing permi	
below-grade tank, or proposed alt	on existing permitted or non-permitted pit, closed-loop system, ternative method
Instructions: Please submit one application (Form C-144) per individu	al pit, closed-loop system, below-grade tank or alternative request
Please be advised that approval of this request does not relieve the operator of liabili environment. Nor does approval relieve the operator of its responsibility to comply with	
1	sally one applicate government attention, states, regulation, or ordinates
Operator: ConocoPhillips Company	OGRID#: 217817
Address: PO Box 4289, Farmington, NM 87499	RCUD AUG 8 '08
Facility or well name: San Juan 29-5 Unit #6N	OIL CONS. DIV.
	OCD Permit Number: DIST. 3
U/L or Qtr/Qtr: C(NENW) Section: 27 Township: 29N  Center of Proposed Design: Latitude: 36.703194' N	Range: 5W County: Rio Arriba  Longitude: 107.348087' W NAD: 1927 X 1983
	Longitude: 107.348087 W NAD: 1927 X 1983 pal Trust or Indian Allotment
2 X Pit: Subsection F or G of 19.15.17.11 NMAC	
Temporary: X Drilling Workover	
Permanent Emergency Cavitation P&A	
X Lined Unlined Liner type: Thickness 20 mil	X LLDPE HDPE PVC Other
X String-Reinforced	
Liner Seams: X Welded X Factory Other	Volume: <u>7000</u> bbl Dimensions L <u>120'</u> x W <u>55'</u> x D <u>12'</u>
3′	,
Closed-loop System: Subsection H of 19.15.17.11 NMAC	N
Type of Operation: P&A Drilling a new well Workover or D	Orilling (Applies to activities which require prior approval of a permit or
notice of fitten	T : 11
Drying Pad Above Ground Steel Tanks Haul-off Bins	T : 11
	it)
Drying Pad Above Ground Steel Tanks Haul-off Bins	Other
Drying Pad Above Ground Steel Tanks Haul-off Bins Lined Unlined Liner type: Thickness mil	Other
Drying Pad Above Ground Steel Tanks Haul-off Bins Lined Unlined Liner type: Thickness mil	Other
Drying Pad Above Ground Steel Tanks Haul-off Bins Lined Unlined Liner type: Thickness mil Liner Seams: Welded Factory Other	Other PVD Other HDPE PVD Other
Drying Pad Above Ground Steel Tanks Haul-off Bins Lined Unlined Liner type: Thickness mil Liner Seams: Welded Factory Other  4  X Below-grade tank: Subsection I of 19.15.17.11 NMAC  Volume: 120 bbl Type of fluid: Produced Wa Tank Construction material: Metal	other PVD Other HDPE PVD Other
Drying Pad Above Ground Steel Tanks Haul-off Bins Lined Unlined Liner type: Thickness mil Liner Seams: Welded Factory Other    A Below-grade tank: Subsection I of 19.15.17.11 NMAC  Volume: 120 bbl Type of fluid: Produced Wa Tank Construction material: Metal  Secondary containment with leak detection X Visible sidewalls, liner,	Other  LLDPE HDPE PVD Other  Meter  6-inch lift and automatic overflow shut-off
Drying Pad	other  LLDPE HDPE PVD Other  Mer  6-inch lift and automatic overflow shut-off
Drying Pad Above Ground Steel Tanks Haul-off Bins Lined Unlined Liner type: Thickness mil Liner Seams: Welded Factory Other    A Below-grade tank: Subsection I of 19.15.17.11 NMAC  Volume: 120 bbl Type of fluid: Produced Wa Tank Construction material: Metal  Secondary containment with leak detection X Visible sidewalls, liner,	Other  LLDPE HDPE PVD Other  Meter  6-inch lift and automatic overflow shut-off
Drying Pad	other  LLDPE HDPE PVD Other  Mer  6-inch lift and automatic overflow shut-off
Drying Pad	Other  LLDPE HDPE PVD Other  Atter  6-inch lift and automatic overflow shut-off  TOTHER  Other

6'			l						
_	Fencing: Subsection D of 19.15 17.11 NMAC (Applies to permanent pit, temporary pits, and below-grade tanks)								
Chain link, six feet in height, two strands of barbed wire at top (Required if located within 1000 feet of a permanent residence, school, hospital, institution or church)									
Г	Four foot height, four strands of barbed wire evenly spaced between one and four feet								
X	Alternate. Please specify Please See Design Plan								
7									
N	etting: Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks)								
X	Screen Netting Other								
X	Monthly inspections (If netting or screening is not physically feasible)								
8									
Ü	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									
_	dministrative Approvals and Exceptions:								
	Istifications and/or demonstrations of equivalency are required. Please refer to 19.15 17 NMAC for guidance.								
•	lease check a box if one or more of the following is requested, if not leave blank:		1						
	Administrative approval(s) Requests must be submitted to the appropriate division district of the Santa Fe Environmental Bureau office for consi	deration of ap	proval.						
	Exception(s). Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval								
10									
10 <u>S</u>	iting Criteria (regarding permitting): 19.15.17.10 NMAC		1						
I	structions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptable								
	purce material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the oppropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau Office for								
	onsideration of approval. Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria								
d	Des not apply to drying pads or above grade-tanks associated with a closed-loop system.		Ĭ						
•	round water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank.	Yes	X No						
	- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells								
	Vithin 300 feet of a continuously flowing watercourse, or 200 feet of any other watercourse, lakebed, sinkhole, or playa	Yes	XNo						
la	ke (measured from the ordinary high-water mark).  - Topographic map; Visual inspection (certification) of the proposed site								
_		r							
	Vithin 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial pplication.	Yes	XNo						
	Applies to temporary, emergency, or cavitation pits and below-grade tanks)	ΠNA							
·	- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image								
v	Vithin 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.	Yes	□No						
(	Applied to permanent pits)	X NA							
	- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image								
v	ithin 500 horizonal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering	Yes	X No						
р	urposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application.	_	_						
	- NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site.								
v	Vithin incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance	Yes	XNo						
	dopted pursuant to NMSA 1978, Section 3-27-3, as amended		<u> </u>						
*	- Written confirmation or verification from the municipality; Written approval obtained from the municipality	<b>—</b>							
v	- US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	Yes	X No						
v	ithin the area overlying a subsurface mine.	Yes	X No						
	Written confirmation or verification or map from the NM EMNRD - Mining and Mineral Division	<b>□</b> - •-	···						
v	ithin an unstable area.	Yes	XNo						
c	Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological								
	ociety; Topographic map //ithin a 100-year floodplain	☐ Yes	V No						
•	- FEMA man	LJ res	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  X 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   Design Fian - 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							
12							
Closed-loop Systems Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC							
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.  Geologic and Hydrogeologic Data (only for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of 19.15.17.9							
Siting Criteria Compliance Demonstrations (only for on-site closure) - based upon the appropriate requirements of 19.15 17.10 NMAC							
Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC							
Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17 12 NMAC							
Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17 9							
NMAC and 19 15 17.13 NMAC							
Previously Approved Design (attach copy of design)  API							
Previously Approved Operating and Maintenance Plan API							
13							
Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC							
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.							
Hydrogeologic Report - based upon the requirements of Paragraph (I) of Subsection B of 19.15.17.9 NMAC							
Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17 10 NMAC							
Climatological Factors Assessment							
Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC							
Dike Protection and Structural Integrity Design: based upon the appropriate requirements of 19 15.17.11 NMAC							
Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC							
Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19 15.17.11 NMAC							
Quality Control/Quality Assurance Construction and Installation Plan  Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC							
Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19 15.17.11 NMAC							
Nuisance or Hazardous Odors, including H2S, Prevention Plan							
Emergency Response Plan							
Oil Field Waste Stream Characterization							
Monitoring and Inspection Plan							
Erosion Control Plan							
Closure Plan - based upon the appropriate requirements of Subsection C of 19 15.17.9 NMAC and 19 15.17.13 NMAC							
14							
Proposed Closure: 19.15.17 13 NMAC Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.							
Type X Drilling Workover Emergency Cavitation P&A Permanent Pit X Below-grade Tank Closed-loop System							
Alternative							
Proposed Closure Method: X Waste Excavation and Removal (Below-grade Tank)							
Waste Removal (Closed-loop systems only)							
X On-site Closure Method (only for temporary pits and closed-loop systems)							
X 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							
Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19 15.17.13 NMAC							
Committation Sampling Flair (if applicable) - based upon the appropriate requirements of Subsection F of 19 13.17.13 (WAC)   X   Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings)							
Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19 15.17.13 NMAC							
X   Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC							
X Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19 15.17.13 NMAC							

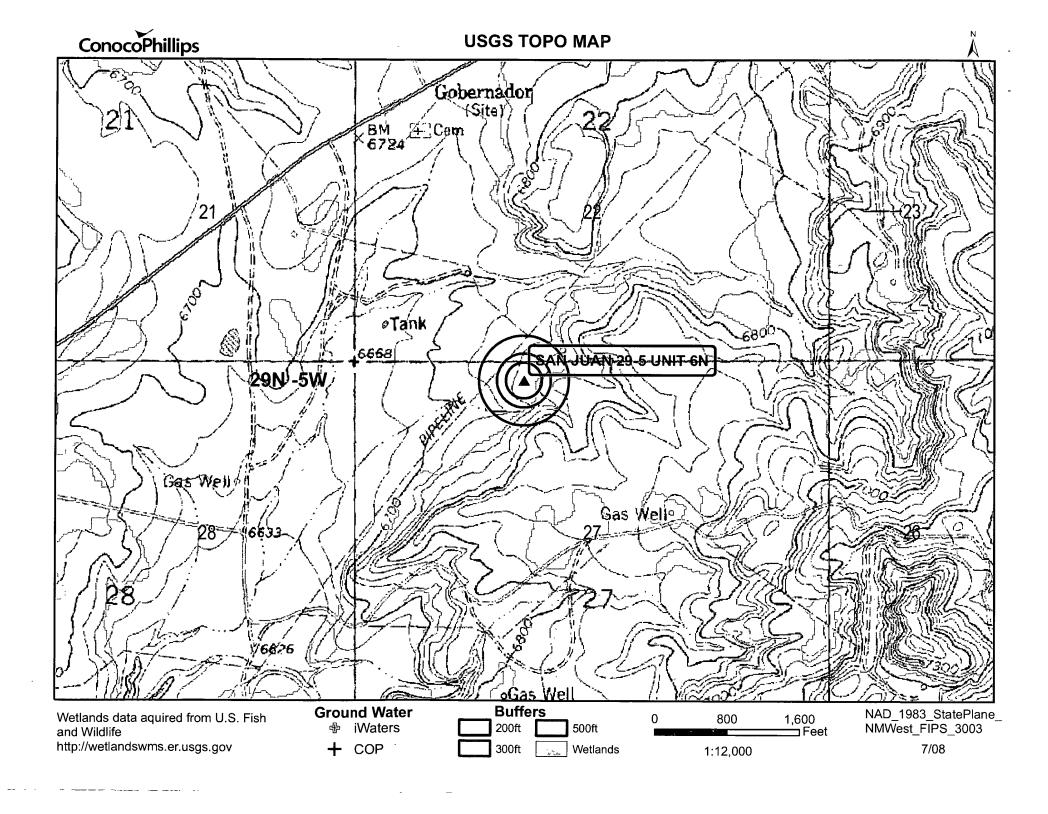
Form C-144 Oil Conservation Division Page 3 of 5

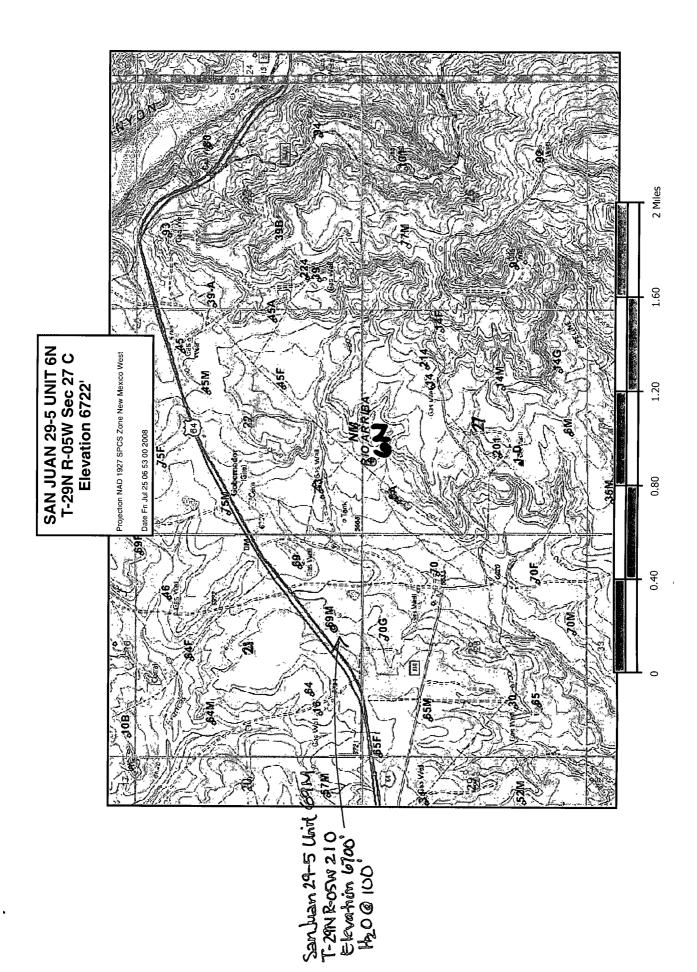
Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Stee							
Instructions: Please identify the facility or facilities for the disposal of liquids, drilling are required	filias and arili cuttings. Use attachment if more than two fi	acumes					
Disposal Facility Name:	Disposal Facility Permit #						
Disposal Facility Name							
Will any of the proposed closed-loop system operations and associated activities  Yes (If yes, please provide the information No	s occur on or in areas that will not be used for future so	ervice and operations?					
Required for impacted areas which will not be used for future service and operations:  Soil Backfill and Cover Design Specification - based upon the appropriate Re-vegetation Plan - based upon the appropriate requirements of Subsection Site Reclamation Plan - based upon the appropriate requirements of Subsection Plan - based upon the appropriate Plan - based upon the a	tion I of 19 15.17 13 NMAC	С					
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 keertain suing criteria may require administrative approval from the appropriate district office of for consideration of approval. Justifications and/or demonstrations of equivalency are required.	Recommendations of acceptable source material are provided belo or may be considered an exception which must be submitted to the						
Ground water is less than 50 feet below the bottom of the buried waste.		Yes X No					
- NM Office of the State Engineer - IWATERS database search, USGS Data obta	uned from nearby wells	N/A					
Ground water is between 50 and 100 feet below the bottom of the buried waste		Yes No					
- NM Office of the State Engineer - iWATERS database search; USGS, Data obtain	aned from nearby wells	□N/A					
Ground water is more than 100 feet below the bottom of the buried waste.		X Yes No					
- NM Office of the State Engineer - iWATERS database search; USGS; Data obtain	ned from nearby wells	□N/A					
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other signification (measured from the ordinary high-water mark).	Yes X No						
- Topographic map; Visual inspection (certification) of the proposed site							
Within 300 feet from a permanent residence, school, hospital, institution, or church in a - Visual inspection (certification) of the proposed site; Aerial photo; satellite image	Yes X No						
Within 500 horizontal feet of a private, domestic fresh water well or spring that less that purposes, or within 1000 horizontal fee of any other fresh water well or spring, in exists - NM Office of the State Engineer - tWATERS database; Visual inspection (certific	ence at the time of the initial application.	Yes XNo					
Within incorporated municipal boundaries or within a defined municipal fresh water w pursuant to NMSA 1978, Section 3-27-3, as amended	·	Yes XNo					
Written confirmation or verification from the municipality; Written approval obta     Within 500 feet of a wetland		Yes X No					
<ul> <li>US Fish and Wildlife Wetland Identification map; Topographic map, Visual insp</li> <li>Within the area overlying a subsurface mine.</li> </ul>	ection (certification) of the proposed site	Dvas Vva					
- Written confirantion or verification or map from the NM EMNRD-Mining and M	Ameral Division	Yes XNo					
Within an unstable area Engineering measures incorporated into the design; NM Bureau of Geology & Mi	neral Resources; USGS; NM Geological Society;	Yes X No					
Topographic map Within a 100-year floodplain FEMA map		Yes X No					
On-Site Closure Plan Checklist: (19.15 17 13 NMAC) Instructions: Each by a check mark in the box, that the documents are attached.	of the following items must bee attached to the closur	re plan. Please indicate,					
X Siting Criteria Compliance Demonstrations - based upon the appropriate	requirements of 19.15.17.10 NMAC						
X Proof of Surface Owner Notice - based upon the appropriate requirement	its of Subsection F of 19.15.17 13 NMAC						
Construction/Design Plan of Burial Trench (if applicable) based upon the	** * *						
Construction/Design Plan of Temporary Pit (for in place burial of a dryin		9.15.17.11 NMAC					
X Protocols and Procedures - based upon the appropriate requirements of							
Confirmation Sampling Plan (if applicable) - based upon the appropriate							
Waste Material Sampling Plan - based upon the appropriate requirement      Disposed Facility Name and Remait Number (for liquide drilling fluide).		41 11 6					
<ul> <li>Disposal Facility Name and Permit Number (for liquids, drilling fluids a</li> <li>Soil Cover Design - based upon the appropriate requirements of Subsect</li> </ul>		nnot be achieved)					
X Re-vegetation Plan - based upon the appropriate requirements of Subsection							
X Re-vegetation Fian - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC  X Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15 17 13 NMAC							

19		
Operator Application Certification:		heat of my lynaulades and heliaf
I hereby certify that the information submitted with this application is true, accur		1
Name (Print): Crystal Tafoya	Title	Regulatory Technician
Signature ( april 1 spija	Date	8/7/08
e-mail address <u>crystal.tafoya@conocophyllipscom</u>	Telephone	505-326-9837
20	CI DI ( 1)	
OCD Approval: Permit Application (including closure plan)	Closure Plan (only)	OCD Conditions (see attachment)
OCD Representative Signature:		Approval Date: 9-29-08
1 1001		
Title: <u>Fnsinlaper</u>	OCD Peri	nit Number:
21		_
Closure Report (required within 60 days of closure completion): Subset Instructions: Operators are required to obtain an approved closure plan prior to		
report is required to be submitted to the division within 60 days of the completio		
approved closure plan has been obtained and the closure activities have been co	ompleted	
	Closur	e Completion Date:
22   Closure Method:		
Waste Excavation and Removal On-site Closure Method	Alternative Closure	Method Waste Removal (Closed-loop systems only)
If different from approved plan, please explain.		waste removal (closed loop systems omy)
If different from approved plant, please explaint.		
23		
Closure Report Regarding Waste Removal Closure For Closed-loop Systems		
Instructions: Please identify the facility or facilities for where the liquids, drill were utilized.	ing fluids and arili cull	ings were disposed. Use attachment if more than two facilities
Disposal Facility Name:	Disposal Facility	Permit Number:
Disposal Facility Name:		Permit Number.
Were the closed-loop system operations and associated activities performed of	•	
	No	
Required for impacted areas which will not be used for future service and op	erations.	
Site Reclamation (Photo Documentation)		
Soil Backfilling and Cover Installation		
Re-vegetation Application Rates and Seeding Technique		
24		
Closure Report Attachment Checklist: Instructions: Each of the folio	owing items must be att	ached to the closure report. Please indicate, by a check mark in
the box, that the documents are attached.		
Proof of Closure Notice (surface owner and division)		
Proof of Deed Notice (required for on-site closure)		
Plot Plan (for on-site closures and temporary pits)		-
Confirmation Sampling Analytical Results (if applicable)		
Waste Material Sampling Analytical Results (if applicable)		
Disposal Facility Name and Permit Number		
Soil Backfilling and Cover Installation		
Re-vegetation Application Rates and Seeding Technique		
Site Reclamation (Photo Documentation)		
On-site Closure Location: Latitude:	Longitude	NAD
25		
Operator Closure Certification:		
I hereby certify that the information and attachments submitted with this closure	-	
the closure complies with all applicable closure requirements and conditions sp	ecified in the approved	closure plan.
Name (Print):	Title:	
· /		
Signature:	Date:	

## New Mexico Office of the State Engineer POD Reports and Downloads

	manna e santan sostatures santannin santanni e arsanta santa e santa e, e ani e anii e e a cana anii anii e e santa
Township: 29N Range: 05W	Sections: 21,22,23,26,27,28,33,34,35
NAD27 X: Y:	Zone: Search Radius:
County: Basin:	Number: Suffix:
Owner Name: (First) (Last)	Non-Domestic Domestic Al
POD / Surface Data Report Avg	Depth to Water Report     Water Column Report
Clear Form	iWATERS Menu Help
(quarters are 1=NW 2=NE) (quarters are biggest to POD Number Tws Rng Sec q q q	o smallest) Depth Depth Water
No Records found, try again	ACME A I WELL WATER COLUMN,





https://148twp.conocophillips.net/servlet/com.esri.esrimap.Esrimap?ServiceName=SanJuan&ClientVersion=4.0&Form=True&Enco... 7/25/2008

Submit To Appropria State Lease - 6 copie:		ict Office				State of New 1			i	Form C-105				
Fee Lease - 5 copies District I				Energy, Minerals and Natural Resources						WELL API NO. Revised June 10, 2003.				
1625 N French Dr , I District II	Hobbs, I	NM 88240								30-039-29729 <u>OT CONS</u>				
1301 W Grand Aver	ue, Arte	sia, NM 88210	·	Oil Conservation Division 1220 South St. Francis Dr.					Ī	5. Indicate				
1000 Rio Brazos Rd	, Aztec.	NM 87410	-			20 South St. F Santa Fe, NM					TE 🗌		EΧ	DIST. 3
District IV 1220 S. St. Francis D						<u> </u>				State Oil &			Maria di Maria	
WELL COMPLETION OR RECOMPLETION REPORT AND LOG											7, 2, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	Pro Charles No.		
la. Type of Well: OIL WE	LL 🛛	GAS WE	и 🗆 🗆	DRY [	<b>-</b>	OTHER			[	7. Lease Name SAN JUAN			ame	
b. Type of Completion  NEW M WORK DEEPEN PLUG DIFF.  WELL OVER BACK RESVR. OTHER														
2. Name of Operat	or									8. Well No.				
ConocoPhillip		npany								69M				
3. Address of Oper	ator									9. Pool name o				
PO BOX 4289 4. Well Location	Farn	nington, N	IM 8749	99						Blanco MV/	Basin D	K		
Unit Letter	0	. 70	0 Fee	et From T	The_	SOUTH		_ Line and	221	0F	eet From T	heE	AST	Line
Section	21		Tov	wnship	291	<b>1</b> i	Range	5W		NMPM	RI	O ARRI	BA	County
10. Date Spudded 10/14/2006		Date T.D. Res 22/2006	ached	12. Date 01/02/	e Cor /200	npl. (Ready to Prod.)	1	13. Elevations 6700 GL	(DF	& RKB, RT, GR,	etc.)	14. Elev	. Casinghea	d
15. Total Depth	-	16. Plug B			7. If I	Multiple Compl. How	Man	y 18. Inter		Rotary Tools		Cable	Tools	-
8150'		8119'			Zo	nes? 2		Drilled I	Зу	x				
19. Producing Inte			letion - Top	o, Botton	n, Na	ıme						rectional S	Survey Mad	e
Mesaverde - 7										22. Was Well	Cored			
GR/CCL/CBL 23.					CAI	CINC DECO	nn.	(Danast all	-4:	No	11)			
CASING SIZ	E	WEIGI	IT LB./FT.			SING RECO	KD (	HOLE SIZE	stri	ngs set in w			MOUNT P	ULLED
9.625"		32.3H-40		27			12.2			187sx-239.				55555
7.0		20 J-55			398'		8.75			565sx-1152.5cf; surf. 72 bbl				
4.5		11.6 N-8	0	81	150'		6.25			317sx-631cf; TOC 3080'				
			· · · · · ·											
24.					LIN	ER RECORD			25	j. T	UBING F	ECORD		
SIZE	TOP		BOTTO	MC		SACKS CEMENT	SC	REEN		ZE	DEPTH	SET	PACKE	R SET
					$\dashv$		<del> </del> —-		<del>2</del> .	375	8059'	···	<del></del>	
26. Perforation r	ecord (	interval, size	and number	er)			27.	ACID, SHOT	ſ, FR	ACTURE, CE	MENT, S	OUEEZE	E, ETC.	
PLO: 572 MF/CH: 527		214'; 0.34" 96': 0.34"						PTH INTERVAL	L	AMOUNT A				
WII 7011. 327	0 50	30, 0.04	dia., 50	110163	•	i Spi	57	26'-6214'		frac w/60Q slickfoam;100,615# 20/40 Ottowa;1,146,900 N2 scf				
							52	78'-5696'		frac w/600				
28						PR		UCTION		20/400tt				scf
Date First Producti	on		Production	Method	(Flo	wing, gas lift, pumpi			ıp)	Well Status				
			Flowing							Shut-in				
Date of Test		rs Tested	Choke	Size	7	Prod'n For Test Period	1	- Bbl		s - MCF	Water -	Bbl.	Gas - Oi	l Ratio
12/18/2006	1 h		1/2"				0	A 140F		58 mcf		<del>a .</del>		
Flow Tubing Press.	Casi	ng Pressure	Hour F	ated 24- Rate	ļ	Oil - Bbl.	1	Gas - MCF	1	Water - Bbl.	Oil	Gravity - A	API - (Corr.	'
170#	540					0		1400mcfd		5 bwpd				
29. Disposition of Sold	Gas (S	old, used for	fuel, vented	l, etc.)							Test Witne	ssed By		
30. List Attachmer	its			<u> </u>										
31 .I hereby certi	fy tha	t the inform	ation show	vn on bo	oth s	ides of this form as	true	and complete	to the	e best of my kne	owledge a	nd belief		
	1	, 1				Printed				•	-	-		
1/		t Fa			]	Name Juanita Fa	arrell	T	itle	Regulatory S	Specialis	st	Date C	1/15/2007
E-mail Address	<u> </u>	juanita.r.fa	rrell@cor	nocoph	illip	os.com	<del></del>			···				
-												<b>K</b>		•••

### TIERRA CORROSION CONTROL, INC. <u>DRILLING LOG</u>

COMPANY: ConocoPhillips LOCATION: San Juan 29-5 69M

STATE: NM BIT SIZE: 7 7/8"

LBS COKE BACKFILL: 2,500# ANODE TYPE: 2" x 60" Durachlor

CONTRACT #:

LEGALS: S21 T29N R5W DRILLER: Gilbert Peck

CASING SIZE/TYPE: 8" X 20' VENT PIPE: 300'

ANODE AMOUNT: 10

DATE: July 16, 2007 COUNTY: Rio Arriba

**DEPTH: 300'** 

COKE TYPE: Asbury

PERF PIPE: 140'

BOULDER DRILLING: None

DEPTH	DRILLER'S LOG	AMPS	DEPTH	DRILLER'S LOG	AMP
20	Casing	15	310	<del></del>	
25	Shale	1.5	315		
30	Sand Stone	.7	320		
35	T	.2	325		
40	Shale	10	330		
45	Sand Stone	.8	335		
50		.3	340		
55	1	.2	345		
60		2	350	N.: ,	
65		1 1	355		
70	<del> </del>	.2	360	<u> </u>	
75	ļ	1	365	<b> </b>	
80	<del> </del>	.8	370	<u> </u>	
85	<del> </del>	.4	375	<u> </u>	
90	<u> </u>	.2	380		<del></del>
95	Charles	.2	385	<del> </del>	
100	Shale	8	390	<del> </del>	
105	<del> </del>	1.6	395	<del></del>	
110 115	<del> </del>	1.5	400	}	
120	<del> </del>	1.3	410	<del></del>	
125	<del> </del>	1.3	415		
130	<del> </del>	1.0	420		<del></del>
135	<del> </del>	1.2	425	<del> </del>	+
140	Shale	1.1	430		
145	0.100	.7	435	<del></del>	<del></del>
150	<del> </del>	6	440	·	
155	<del> </del>	.9	445	<del> </del>	
160	†	1.3	450		
165	1	1.0	460		
170		1.8	470		1
175		2.2	480		
180		2.4	490		
185	CDIFIFD	20	500		
190	ERIFIED	1.5			
195		.6	L		
200	<del> </del>	1.7	<del> </del>		
205	<del> </del>	1.3	<del> </del>	ļ	
210 215	<del> </del>	1.3	<del> </del>	<del> </del>	
220	<del> </del>	1.2	<del>}</del>	<del> </del>	
225	<del> </del>	1.1	<del> </del> -	<del> </del>	
230	<del>  </del>	1.0	<del> </del>	<del> </del>	+
235	<del> </del>	10	<del> </del>		_
240	<del>  </del>	1.3	<del> </del>	<del> </del>	<del></del>
245	†	1.2	<del> </del>	<del> </del>	
250	1	1.2	<u> </u>	1	
255		1.3	1		
260		2.0	1		
265		2 1			
270		2.1			
275		2.3			
280		2.1			
285		1.6			
290		1.0			
295	TD				
300					
305	T	,			

		And in the Assessment of the second s	
ANODE #	DEPTH	NO COKE	COKE
1	290	1.0	2.8
3	280	2.1	5.0
3	270	2.4	5.8
4	260	2.0	6.3
5	250	1.2	5.5
6	240	1.3	5.0
7	230	1.0	3.4
8	220	1.2	3.8
9	210 - 5	1.3	3.8
10	200	1.7	4.8
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			}
26		<u> </u>	
27			
28			
29			
30	L		

WATER DEPTH: 100' ISOLATION PLUGS. LOGING VOLTS: 12.77

**VOLT SOURCE: AUTO BATTERY** 

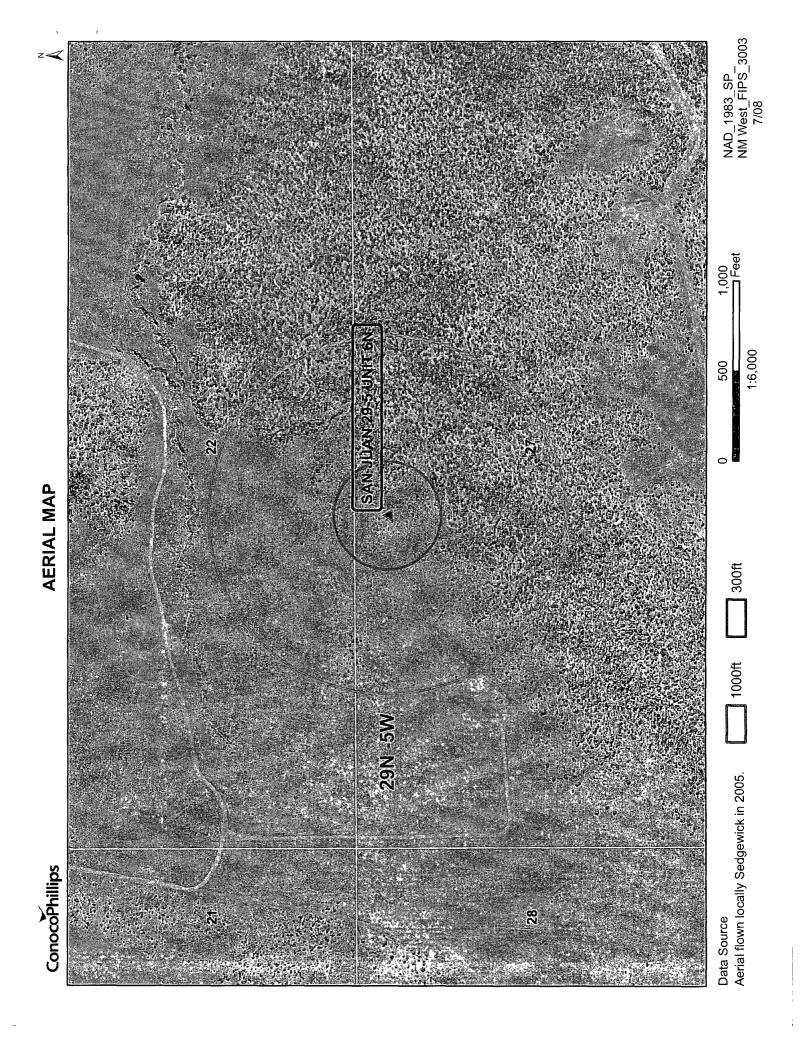
01

6

TOTAL AMPS: 15.6

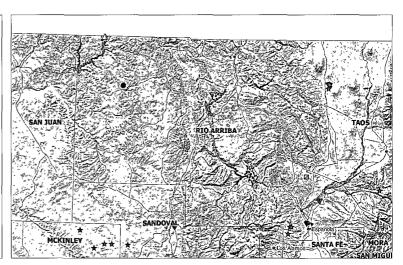
TOTAL GB RESISTANCE: .81

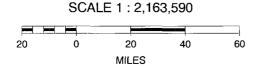
REMARKS:



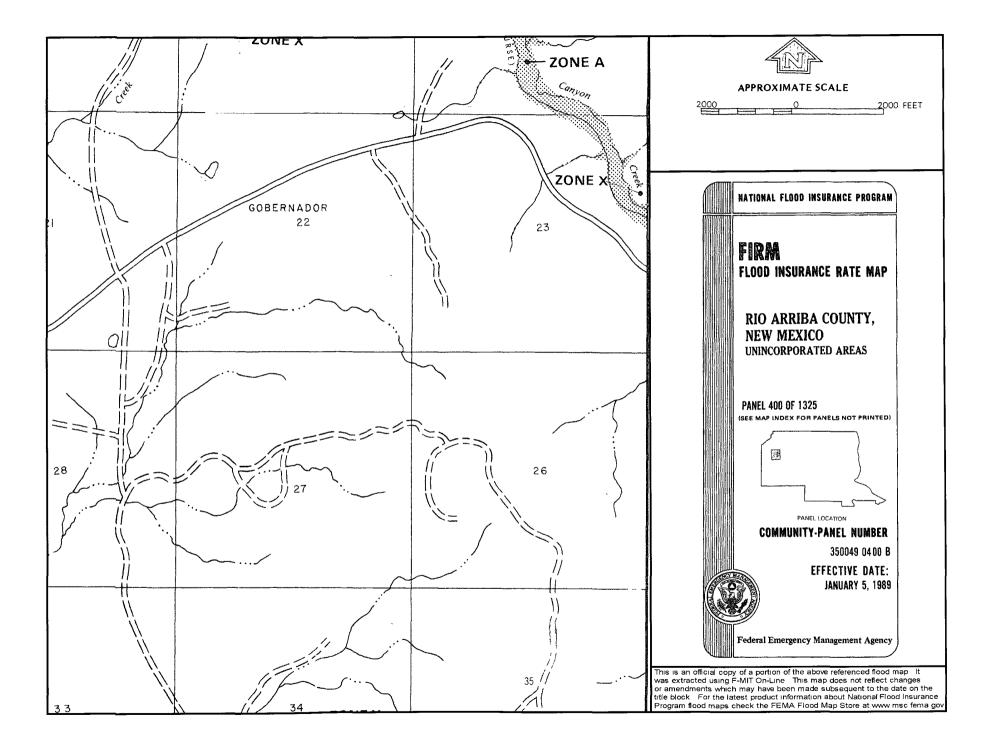
### San Juan 29-5 Unit #6N Mines, Mills and Quarries Web Map

Mines, Mill	s & Quarries Commodity Groups
Δ	Aggregate & Stone Mines
•	Coal Mines
*	Industrial Minerals Mines
•	Industrial Minerals Mills
Ø	Metal Mines and Mill Concentrate
	Potash Mines & Refineries
	Smelters & Refinery Ops.
*	Uranium Mines
•	Uranium Mills









### **Siting Criteria Compliance Demonstrations**

The San Juan 29-5 Unit #6N is not located in an unstable area. The location is not over a mine and is not on the side of a hill. The location of the excavated pit material will not be located within 300' of any continuously flowing watercourse or 200' from any other watercourse.



ConocoPhillips Company GRFS / PTRRC – San Juan Business Unit Mary Kay Cornwall 3401 East 30<sup>th</sup> Street Farmington, NM 87402 Telephone: (505) 326-9597

Telephone: (505) 326-9597 Facsimile: (505) 324-6136

### August 4, 2008

### VIA CERTIFIED MAIL – RETURN RECEIPT REQUESTED 7110-6605-9590-0026-0913

Juan T. and Erdine Talamante PO Box 222 Dulce, NM 87528

Re:

San Juan 29-5 Unit 6N NW Section 27, T29N, R5W Rio Arriba County, New Mexico

#### Dear Landowner:

Pursuant to Paragraph 1 (b) of Subsection F of 19.15.17.13 NMAC, an operator shall provide the surface owner notification of the operator's proposal to close a temporary pit on-site in compliance with the on-site closure methods specified in the same Subsection of the NMAC. In compliance of this requirement, please consider this notification of ConocoPhillips' intent to close the temporary pit on the above referenced location.

If you have any questions, please contact Steven Gillette @ (505)326-9883.

Sincerely,

Mary Kay Cornwall

Mary Kay Cornwall Staff Associate, PTRRC DISTRICT 1 1625 N. French Dr., Hobbs, N.M. 88240

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102 Revised October 12, 2005

DISTRICT II 1301 West Grand Avenue, Artesia, N.M. 88210

OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

DISTRICT III 1000 Rio Brazos Rd., Aztec, N.M. 87410

☐ AMENDED REPORT

### DISTRICT IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

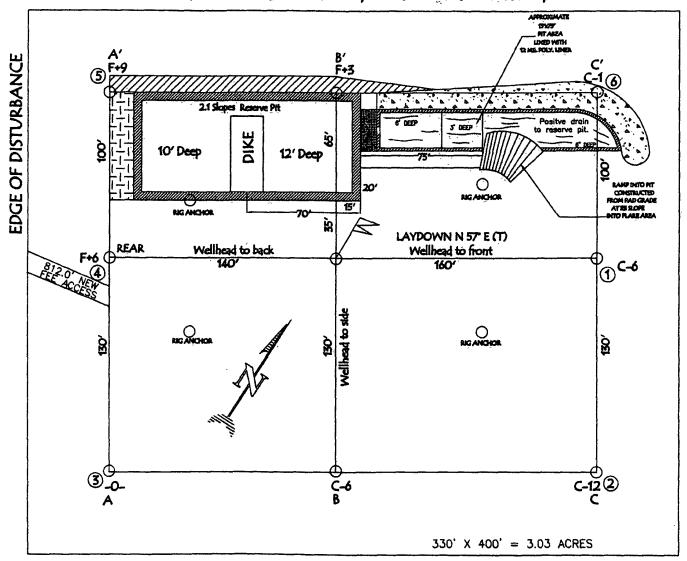
### WELL LOCATION AND ACREAGE DEDICATION PLAT

1 <b>API</b> 30-039	Number 		71599/72319 BASIN DAKOTA/BLANCO MESAVERDE							
Property C	ode	<sup>5</sup> Property Name <sup>6</sup> Weil Number								
31325				SA	N JUAN 29-	-5 UNIT		İ	6N	
OGRID No				<del></del>	*Operator	Name			° Elevation	
217817	· ]			CÓN	IOCOPHILLIPS	COMPANY			6722'	
				,	10 Surface	Location			1	
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	Bast/West li	në County	
С	27	29_N	5-W		225	NORTH	1660	WEST	RIO ARRIBA	
			11 Bott	om Hole	Location I	f Different Fr	om Surface			
UL or lot no.	Section	Township	Range	Lot idn	Feet from the	North/South line	Feet from the	East/West li	ne County	
C			413 4 2		. 25. 1	222 2 3	1 105	Í.		
Dedicated Acre			I Joint or	Infill .	14 Consolidation (	Code	<sup>15</sup> Order No.		÷	
DK 320.0				•			}			
MV 320.0	ACRES	W/2					ĺ			

16	OR A NON-STA	NDARD UNIT HAS BEEN APPROVED B	Y THE DIVISION
311-	13" E 2633.31' 225' 1660' FEE	LAT: 36'42.1912' N. LONG: 107' 20.8491' W. NAD 1927  LAT: 36.703194' N. LONG: 107.348087' W. NAD 1983	17 OPERATOR CERTIFICATION  I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organisation either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or a working interest or to, a wolunlary pooling agreement or a computary pooling order heretafore entered by the division.
S 001'00" 2639.04'	USA NM-011349-A		Supature Crystal Walker 4-25-08.  Printed Name
	USA NM-011349		18 SURVEYOR CERTIFICATION  I hereby certify that the well location shows on this plat was plotted from field notes of actual surveys made by me or whiter my supervision, and that the same is true and correct to the best of my belief.  Date of Survey  Signature and field of Moleculary Surveyor:

### CONOCOPHILLIPS COMPANY

SAN JUAN 29-5 UNIT 6N, 225' FNL & 1660' FWL SECTION 27, T-29-N, R-5-W, NMPM, RIO ARRIBA COUNTY, NM GROUND ELEVATION: 6722', DATE: APRIL 11, 2008



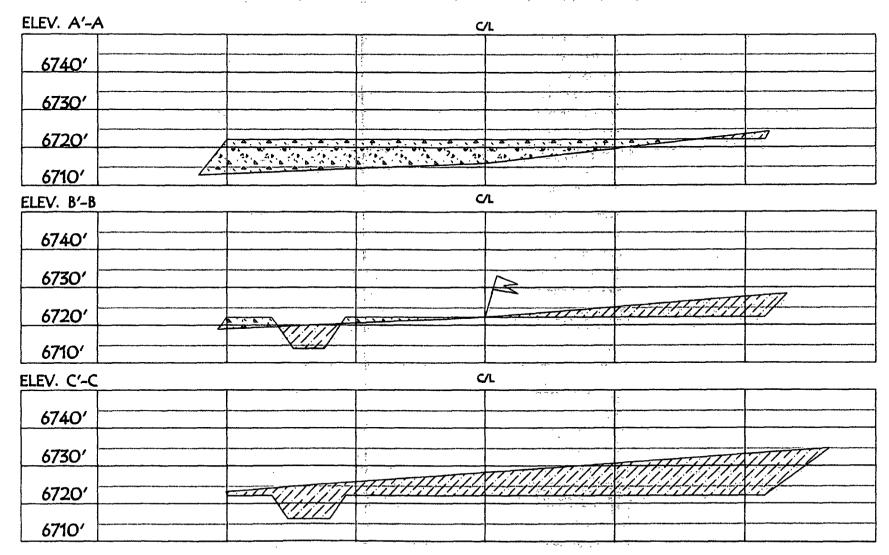
YPLINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION

LAT: 36° 42.1912' N LONG: 107° 20.8491' W

NAD27

### CONOCOPHILLIPS COMPANY

SAN JUAN 29-5 UNIT 6N, 225' FNL & 1660' FWL SECTION 27, T-29-N, R-5-W, NMPM, RIO ARRIBA COUNTY, NM GROUND ELEVATION: 6722', DATE: APRIL 11, 2008



NOTE: VECTOR SURVEYS IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES.

CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED

PIPLINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.

### Hydrogeological report for San Juan 29-5 Unit #6N

### Regional Hydrogeological context:

The San Jose Formation of Eocene age occurs in New Mexico and Colorado, and its outcrop forms the land surface over much of the eastern half of the central basin. It overlies the Nacimiento Formation in the area generally south of the Colorado-New Mexico State line and overlies the Animas Formation in the area generally north of the State line.

The San Jose Formation was deposited in various fluvial-type environments. In general, the unit consists of an interbedded sequence of sandstone, siltstone, and variegated shale. Thickness of the San Jose Formation generally increases from west to east (200 feet in the west and south to almost 2,700 feet in the center of the structural basin). Ground water is associated with alluvial and fluvial sandstone aquifers. Thus, the occurrence of ground water is mainly controlled by the distribution of sandstone in the formation. The distribution of such sandstone is the result of original depositional extent plus any post-depositional modifications, namely erosion and structural deformation. Transmissivity data for San Jose Formation are minimal. Values of 40 and 120 feet squared per day were determined from two aquifer tests (Stone et al, 1983, table 5). The reported or measured discharge from 46 water wells completed in San Jose Formation ranges from 0.15 to 61 gallons per minute and the median is 5 gallons per minute. Most of the wells provide water for livestock and domestic use.

The San Jose Formation is a very suitable unit for recharge from precipitation because soils that form on the unit are sandy and highly permeable and therefore readily adsorb precipitation. However, low annual precipitation, relatively high transpiration and evaporation rates, and deep dissection of the San Jose Formation by the San Juan River and its tributaries all tend to reduce the effective recharge to the unit.

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

## ConocoPhillips Company San Juan Basin Pit Design and Construction Plan

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

- 1. COPC will design and construct a temporary pit to contain liquids and solids and prevent contamination of fresh water and protect public health and environment.
- 2. Prior to constructing the pit, topsoil will be stockpiled in the construction zone for later use in restoration.
- 3. COPC will post a well sign, not less than 12" by 24", on the well site prior to construction of the temporary pit. The sign will list the operator on record as the operator; the location of the well site by unit letter, section, township range; and emergency telephone numbers.
- 4. COPC shall construct all new fences utilizing 48" steel mesh field-fence (hogwire) on the bottom with a single strand of barbed wire on top. T-posts shall be installed every 12 feet and corners shall be anchored utilizing a secondary T-post. Temporary pits will be fenced at all times excluding drilling or workover operations, when the front side of the fence will be temporarily removed for operational purposes.
- 5. COPC shall construct the temporary pit so that the foundation and interior slopes are firm and free of rocks, debris, sharp edges or irregularities to prevent liner failure.
- COPC shall construct the pit so that the slopes are no steeper than two horizontal feet to 1 vertical foot.
- 7. Pit walls will be walked down by a crawler type tractor following construction
- 8. All temporary pits will be lined with a 20-mil, string reinforced, LLDPE liner, complying with EPA SW-846 method 9090A requirements.
- Geotextile will be installed beneath the liner when rocks, debris, sharp edges or irregularities cannot be avoided.
- 10. All liners will be anchored in the bottom of a compacted earth-filled trench at least 18 inches deep.
- 11. COPC will minimize liner seams and orient them up and down, not across a slope. Factory seams will be used whenever possible. COPC will ensure all field seams are welded by qualified personnel. Field seams will be overlapped four to six inches and will be oriented parallel to the line of maximum slope. COPC will minimize the number of field seams in corners and irregularly shaped areas.
- 12. The liner shall be protected from any fluid force or mechanical damage through the use of mud pit slides, or a manifold system.
- 13. The pit shall be protected from run-off by constructing and maintaining diversion ditches around the location or around the perimeter of the pit in some cases.
- 14. The volume of the pit shall not exceed 10 acre-feet, including freeboard.
- 15. Temporary blow pits will be constructed to allow gravity flow to discharge into lined drill pit.
- 16. The lower half of the blow pit (nearest lined pit) will be lined with the same 20 mil liner. The upper half of the blow pit will remain unlined as allowed in Rule 19.15.17.11 F.11.
- COPC will not allow freestanding liquids to remain on the unlined portion of a temporary blow pit.

## ConocoPhillips Company San Juan Basin Maintenance and Operating Plan

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

- 1. COPC will operate and maintain a temporary pit to contain liquids and solids and prevent contamination of fresh water and protect public health and environment.
- 2. COPC will conserve drilling fluids by transferring liquids to pits ahead of the rigs whenever possible. All other drilling fluids will be disposed at Basin Disposal Inc., permit # NM-01-005.
- 3. COPC will not discharge or store any hazardous waste in any temporary pit.
- 4. If any pit liner's integrity is compromised, or if any penetration of the liner occurs above the liquid's surface, then COPC shall notify the Aztec Division office by phone or email within 48 hours of the discovery and repair the damage or replace the liner.
- 5. If a leak develops below the liquid's level, COPC shall remove all liquids above the damaged liner within 48 hours and repair the damage or replace the liner. COPC shall notify the Aztec Division office by phone or email within 48 hours of the discovery for leaks less than 25 barrels COPC shall notify the Aztec Division office 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.
- 6. The liner shall be protected from any fluid force or mechanical damage through the use of mud pit slides, or a manifold system.
- 7. The pit shall be protected from run-off by constructing and maintaining diversion ditches around the location or around the perimeter of the pit in some cases.
- 8. COPC shall immediately remove any visible layer of oil from the surface of the temporary pit after cessation of a drilling or workover operation. Oil absorbent booms will be utilized to contain and remove oil from the pit's surface. An oil absorbent boom will stored on-site until closure of pit.
- 9. Only fluids generated during the drilling or workover process may be discharged into a temporary pit.
- 10. COPC will maintain the temporary pit free of miscellaneous solid waste or debris.
- 11. During drilling or workover operations, COPC will inspect the temporary pit at least once daily to ensure compliance with this plan. Inspections will be logged in the IADC reports. COPC will file this log with the Aztec Division office upon closure of the pit.
- 12. After drilling or workover operations, COPC will inspect the temporary pit weekly so long as liquids remain in the temporary pit. A log of the inspections will be stored at COPC's office electronically and will be filed with the Aztec Division office upon closure of the pit.
- 13. COPC shall maintain at least two feet of freeboard for a temporary pit.
- 14. COPC shall remove all free liquids from a temporary pit within 30 days from the date the operator releases the drilling rig.
- 15. COPC shall remove all free liquids from a cavitation pit within 48 hours after completing cavitation. COPC may request additional time to remove liquids from the Aztec Division office if it is not feasible to remove liquids within 48 hours.

## ConocoPhillips Company San Juan Basin Closure Plan

In accordance with Rule 19.15.17.12 NMAC the following information describes the closure requirements of temporary pits on ConocoPhillips Company (COPC) locations. This is COPC's standard procedure for all temporary pits. A separate plan will be submitted for any temporary pit which does not conform to this plan.

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 pit closure. Closure report will be filed on C-144 and incorporate the following:

- Details on Capping and Covering, where applicable.
- Plot Plan (Pit Diagram)
- Inspection Reports
- Sampling Results
- C-105
- Copy of Deed Notice will be filed with County Clerk

- 1. All free standing liquids will be removed at the start of the pit closure process from the pit and disposed of in a division—approved facility or recycle, reuse or reclaim the liquids in a manner that the appropriate division district office approves.
- 2. The preferred method of closure for all temporary pits will be on-site burial, assuming that all the criteria listed in sub-section (B) of 19.15.17.13 are met.
- 3. The surface owner shall be notified of COPC's closing of the temporary pit as per the approved closure plan using certified mail, return receipt requested.
- 4. Within 6 months of the Rig Off status occurring COPC will ensure that temporary pits are closed, re-contoured, and reseeded.
- 5. Notice of Closure will be given to the Aztec Division office between 72 hours and one week of closure via email, or verbally. The notification of closure will include the following:
  - i. Operator's name
  - Location by Unit Letter, Section, Township, and Range. Well name and API number.
- 6. Liner of temporary pit shall be removed above "mud level" after stabilization. Removal of liner will consist of manually or mechanically cutting liner at mud level and removing all remaining liner. Care will be taken to remove "All" of the liner i.e., edges of liner entrenched or buried. All excessive liner will be disposed of at a licensed disposal facility.
- 7. Pit contents shall be mixed with non-waste containing, earthen material in order to achieve the solidification process. The solidification process will be accomplished using a combination of natural drying and mechanically mixing. Pit contents will be mixed with non-waste, earthen material to a consistency that is deemed a safe and stable. The mixing ratio shall not exceed 3 parts clean soil to 1 part pit contents.
- 8. A five point composite sample will be taken of the pit using sampling tools and all samples tested per Subsection B of 19.15.17.13(B)(1)(b). In the event that the criteria are not met, all contents will be handled per Subparagraph (a) of Paragraph (1) of Subsection B of 19.15.17.13 i.e., Dig and haul.

Components	Tests Method	Limit (mg/Kg)
Benzene	EPA SW-846 8021B or 8260B	0.2
BTEX	EPA SW-846 8021B or 8260B	50
TPH	EPA SW-846 418.1	2500
GRO/DRO	EPA SW-846 8015M	500
Chlorides	EPA 300.1	( 1000/500

- 9. Upon completion of solidification and testing standards being passed, the pit area will be backfilled with compacted, non-waste containing, earthen material. 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. If standard testing fails COPC will dig and haul all contents pursuant to 19.15.17.13.i.a. After doing such, confirmation sampling will be conducted to ensure a release has not occurred.
- 10. During the stabilization process if the liner is ripped by equipment the Aztec OCD office will be notified within 48 hours and the liner will be repaired if possible. If the liner can not be repaired then all contents will be excavated and removed.
- 11. Dig and Haul Material will be transported to the Envirotech Land Farm located 16 miles south of Bloomfield on Angel Peak Road, CR 7175. Permit # NM010011
- 12. Re-contouring of location will match fit, shape, line, form and texture of the surrounding. Reshaping 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.
- 13. Notification will be sent to OCD when the reclaimed area is seeded.
- 14. 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 or Forest Service stipulated seed mixes will used on federal lands. Vegetative cover will equal 70% of the native perennial vegetative cover (unimpacted) consisting of at least three native plant species, including at least one grass, but not including noxious weeds, and maintain that cover through two successive growing seasons. Repeat seeding or planting will be continued until successful vegetative growth occurs.

Туре	Variety or Cultivator	PLS/A
Western wheatgrass	Arriba	3.0
Indian ricegrass	Paloma or Rimrock	3.0
Slender wheatgrass	San Luis	2.0
Crested wheatgrass	Hy-crest	3.0
Bottlebrush Squirreltail	Unknown	2.0
Four-wing Saltbrush	Delar	.25

Species shall be planted in pounds of pure live seed per acre: Present Pure Live Seed (PLS) = Purity X Germination/100 Two lots of seed can be compared on the basis of PLS as follows:

Source No. One (poor quality)

Purity

50 percent

Germination

40 percent

Percent PLS

20 percent

Percent PLS

Source No. two (better quality)

Purity

80 percent

Germination

63 percent

Percent PLS

50 percent

5 lb. bulk seed required to make 2 lb. bulk seed required to make

1 lb. PLS 1 lb. PLS

15. The temporary pit will be located with a steel marker, no less than four inches in diameter, cemented in a hole three feet deep in the center of the onsite burial upon the abandonment of all the wells on the pad. The marker will be flush with the ground to allow access of the active well pad and for safety concerns. The marker will include a threaded collar to be used for future abandonment. The top of the marker will contain a welded steel 12" square plate that indicates the onsite burial of the temporary pit. The plate will be easily removable and a four foot tall riser will be threaded into the top of the collar marker and welded around the base with the operator's information at the time of all wells on the pad are abandoned. The operator's information will include the following: Operator Name, Lease Name, Well Name and number, Unit Number, Section, Township, Range and an indicator that the marker is an onsite burial location.

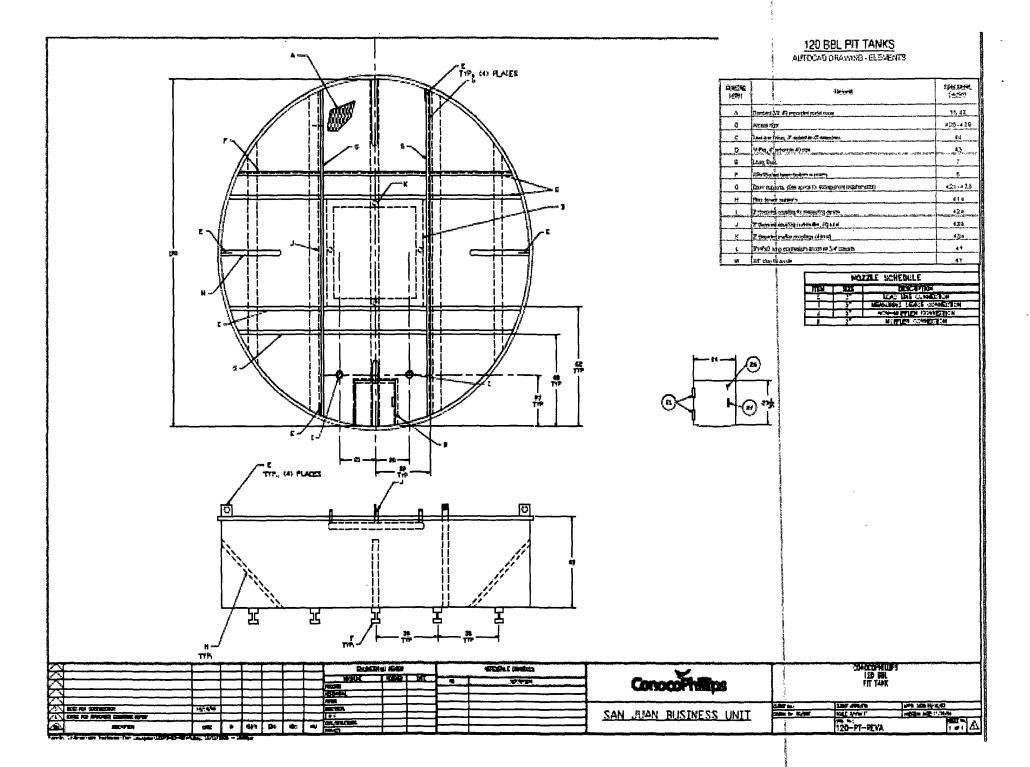
## ConocoPhillips Company San Juan Basin Below Grade Tank Design and Construction

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

- 1. COPC will design and construct a BGT to contain liquids and to prevent contamination of fresh water and protect public health and environment.
- 2. COPC will use the general location sign posted on location. If no general sign is posted a separate sign at the location of the BGT will be provided.
- 3. COPC shall construct 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.
- 4. COPC will construct a 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.
- 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.
- 7. COPC shall construct a below-grade tank to prevent overflow and the collection of surface water run-on.
- 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.
- COPC shall equip below-grade tanks designed in this manner with a properly operating automatic high-level shut-off control device and manual controls to prevent overflows.
- 10. The geomembrane liner shall consist of 30-mil flexible PVC or 60-mil HDPE liner, or an equivalent liner material that the appropriate division district office approves. The geomembrane liner shall have a hydraulic conductivity no greater

than 1 x 10-9 cm/sec. The geomembrane liner shall be composed of an impervious, synthetic material that is resistant to petroleum hydrocarbons, salts and acidic and alkaline solutions. The liner material shall be resistant to ultraviolet light. Liner compatibility shall comply with EPA SW-846 method 9090A.

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



# 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 Pit (BGT) on ConocoPhillips Company locations hereinafter known as 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.

- 1. COPC will operate and maintain a BGT to contain liquids and solids and prevent contamination of fresh water and protect public health and environment.
- 2. COPC shall not allow a below-grade tank to overflow or allow surface water runon to enter the below-grade tank.
- 3. COPC shall continuously 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.
- 4. COPC shall inspect the below-grade tank at least monthly and maintain a written record of each inspection for five years.
- 5. COPC shall maintain adequate freeboard to prevent overtopping of the below-grade tank.

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

In accordance with Rule 19.15.17.12 NMAC the following information describes the closure requirements of Below Grade Tanks (BGTs) on ConocoPhillips Company locations hereinafter known as COPC locations. This is COPC's standard procedure for all BGTs. A separate plan will be submitted for any BGT which does not conform to this plan.

### General Requirements:

- 1. COPC shall close a below-grade tank within the time periods provided in 19.15.17.13 NMAC, or by an earlier date that the division requires because of imminent danger to fresh water, public health or the environment.
- 2. COPC shall close an existing below-grade tank that does 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 after June 16, 2008, if not retrofitted to comply with Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC.
- COPC shall close a permitted below-grade tank within 60 days of cessation of the below-grade tank's operation or as required by the transitional provisions of Subsection B of 19.15.17.17 NMAC in accordance with a closure plan that the appropriate division district office approves. The closure report will be filed on C-144
- 4. 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.
- 5. COPC shall 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.
- 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.
- 7. 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.

- 8. 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.
- 9. If contamination is confirmed by field sampling. COPC will follow the Guidelines For Remediation Of Leaks, Spills, and Releases NMOCD August 1993 when remediating contaminants identified
- 10. 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.
- 11. Notice of Closure will be given to the Aztec Division office between 72 hours and one week of closure 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.
- 12. 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:
  - Details on Capping and Covering, where applicable.
  - Inspection Reports
  - Sampling Results
- 13. 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.
- 14. 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 or Forest Service stipulated seed mixes will used on federal 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. Repeat seeding or planting will be continued until successful vegetative growth occurs.

- 15. 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.
- 16. The surface owner shall be notified of COPC's closing of the below-grade tank as per the approved closure plan using certified mail, return receipt requested.