District 1

1625 N French Di., Hobbs, NM 88240

District II

1301 W. Grand Ave , Artesia, NM 88210

District III

1000 Rio Biazos Rd., Aztec, NM 87410

1220 S St Francis Dr , Santa Fe, NM 87505

#### 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 tanks, submit to the appropriate NMOCD District Office

Form C-144

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
Type of action:  Permit of a pit, closed-loop system, below-grade tank, or proposed alternative method  Closure of a pit, closed-loop system, below-grade tank, or proposed alternative method  Modification to an existing permit  Closure plan only submitted for an existing permitted or non-permitted pit, closed-loop system, below-grade tank, or proposed alternative method  Instructions: Please submit one application (Form C-144) per individual pit, closed-loop system, below-grade tank or alternative request  Please be advised that approval of this request does not relieve the operator of hability should operations result in pollution of surface water, ground water or the environment Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances
Operator: ConocoPhillips Company OGRID#: 217817
Address: PO Box 4289, Farmington, NM 87499
Facility or well name: San Juan 31-6 Unit 4N
API Number: 30-039-30264 OCD Permit Number.
U/L or Qtr/Qtr: H(SE/NE) Section: 4 Township: 30N Range: 6W County: Rio Arriba
Center of Proposed Design: Latitude: 36.844311 °N Longitude: 107.461471 °W NAD: 1927 X 1983
Surface Owner: Federal X State Private Tribal Trust or Indian Allotment
Temporary: X Drilling Workover  Permanent Emergency Cavitation P&A  X Lined Unlined Liner type Thickness 12 mil X LLDPE HDPE PVC Other  X String-Reinforced  Liner Seams X Welded X Factory Other Volume 4400 bbl Dimensions L 65' x W 45' x D 10'
Closed-loop System: Subsection H of 19.15.17.11 NMAC  Type of Operation. P&A Drilling a new well Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent)  Drying Pad Above Ground Steel Tanks Haul-off Bins Other  Lined Unlined Liner type: Thickness mil LLDPE HDPE PVD Other
Liner Seams: Welded Factory Other
Below-grade tank: Subsection I of 19.15.17.11 NMAC  Volume: bbl Type of fluid:  Tank Construction material.  Secondary containment with leak detection Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off  Visible sidewalls and liner Visible sidewalls only Other  Liner Type. Thickness mil HDPE PVC Other
5 Alternative Method:

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

Fencing: Subsection D of 19 15.17.11 NMAC (Applies to permanent pit, temporary pits, and below-grade tanks)  Chain link, six feet in height, two strands of barbed wire at top (Required if located within 1000 feet of a permanent residence, school, hospital, inst  Four foot height, four strands of barbed wire evenly spaced between one and four feet  X Alternate. Please specify 4' hogwire fence with a single strand of barbed wire on top.  Netting: Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks)  Screen Netting Other  Monthly inspections (If netting or screening is not physically feasible)	'tlution or chur	ch)
Signs: Subsection C of 19.15 17.11 NMAC  12" X 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers  X Signed in compliance with 19.15.3.103 NMAC		
Administrative Approvals and Exceptions:  Justifications and/or demonstrations of equivalency are required. Please refer to 19 15.17 NMAC for guidance  Please check a box if one or more of the following is requested, if not leave blank:  Administrative approval(s) Requests must be submitted to the appropriate division district of the Santa Fe Environmental Bureau office for cons (Fencing/BGT Liner)  Exception(s) Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.	sideration of ap	proval.
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	□No
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	□No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.	Yes	□No
(Applies to temporary, emergency, or cavitation pits and below-grade tanks)	□NA	
- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	ļ <sub>—</sub> ,	<b>□</b> 3
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.  (Applied to permanent pits)  - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ NA	∐No
Within 500 horizonal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application.	Yes	No
- NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site.	ļ	İ
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended	Yes	□No
<ul> <li>Written confirmation or verification from the municipality; Written approval obtained from the municipality</li> <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	No
Within the area overlying a subsurface mine.  Written confirmation or verification or man from the NM EMNRD - Minung and Mineral Division	Yes	No
<ul> <li>Written confirmation or verification or map from the NM EMNRD - Mining and Mineral Division</li> <li>Within an unstable area.</li> <li>Engineering measures incorporated into the design; NM Bureau of Geology &amp; Mineral Resources; USGS; NM Geological</li> </ul>	Yes	No
Society; Topographic map Within a 100-year floodplain FEMA map	Yes	No

Temporary Pits, Emergency Pits and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15 17.9 NMAC
Instructions Each of the following items must be attached to the application Please indicate, by a check mark in the box, that the documents are attached  Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17 9 NMAC
Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17 9
Situng Criteria Compliance Demonstrations - 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 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
Oıl 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   Below-grade Tank   Closed-loop System
Alternative
Proposed Closure Method: Waste Excavation and Removal
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)
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.
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
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
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

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		alities						
are required	miles and arm changs. Oscialicement if more man into ja	cimes						
	Disposal Facility Permit #-							
	Disposal Facility Permit #:							
Will any of the proposed closed-loop system operations and associated activities occur on or in areas that will not be used for future service and operations?  Yes (If yes, please provide the information No								
Required for impacted areas which will not be used for future service and operations:  Soil Backfill and Cover Design Specification - based upon the appropriate Re-vegetation Plan - based upon the appropriate requirements of Subsection Street Reclamation Plan - based upon the appropriate requirements of Subsection Plan - based upon the	tion I of 19.15 17.13 NMAC							
17 <u>Siting Criteria (Regarding on-site closure methods only:</u> 19.15 17.10 NMAC  Instructions: Each stung criteria requires a demonstration of compliance in the closure plan. I  certain stung 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 below or may be considered an exception which must be submitted to the S							
Ground water is less than 50 feet below the bottom of the buried waste.  - NM Office of the State Engineer - iWATERS database search; USGS: Data obta	ined from nearby wells	Yes N/A	X No					
Ground water is between 50 and 100 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data obtain		Yes	XNo					
Ground water is more than 100 feet below the bottom of the buried waste.	Ť	XYes	□No					
- NM Office of the State Engineer - iWATERS database search; USGS; Data obta.	ned from nearby wells	∏N/A	L.110					
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other signific (measured from the ordinary high-water mark).	cant watercourse or lakebed, sinkhole, or playa lake	Yes	XNo					
- 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			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 exist - NM Office of the State Engineer - iWATERS database; Visual inspection (certific Within incorporated municipal boundaries or within a defined municipal fresh water within pursuant to NMSA 1978, Section 3-27-3, as amended.	ence at the time of the initial application. cation) of the proposed site ell field covered under a municipal ordinance adopted		X No					
Written confirmation or verification from the municipality, Written approval obtaining 500 feet of a wetland  Within 500 feet of a wetland  The standard for the standard f		Yes	XNo					
- US Fish and Wildlife Wetland Identification map; Topographic map; Visual insp Within the area overlying a subsurface mine.		Yes	XNo					
<ul> <li>Written confirantion or verification or map from the NM EMNRD-Mining and N</li> <li>Within an unstable area</li> <li>Engineering measures incorporated into the design; NM Bureau of Geology &amp; M</li> </ul>		Yes	XNo					
Topographic map Within a 100-year floodplaın - FEMA map		Yes	XNo					
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	e plan. Please	indicate,					
<ul> <li>X Siting Criteria Compliance Demonstrations - based upon the appropriate</li> <li>X Proof of Surface Owner Notice - based upon the appropriate requirement</li> <li>Construction/Design Plan of Burial Trench (if applicable) based upon the</li> </ul>	nts of Subsection F of 19.15.17.13 NMAC							
Construction/Design Plan of Temporary Pit (for in place burial of a dryi  X Protocols and Procedures - based upon the appropriate requirements of	ng pad) - based upon the appropriate requirements of 19.15.17.13 NMAC	9.15.17.11 NM	AC					
Confirmation Sampling Plan (if applicable) - based upon the appropriate  X  Waste Material Sampling Plan - based upon the appropriate requirement	ts of Subsection F of 19.15.17.13 NMAC							
<ul> <li>X Disposal Facility Name and Permit Number (for liquids, drilling fluids a</li> <li>X Soil Cover Design - based upon the appropriate requirements of Subsection</li> <li>X Re-vegetation Plan - based upon the appropriate requirements of Subsection</li> </ul>	tion H of 19 15 17 13 NMAC ction I of 19.15.17.13 NMAC	nnot be achieved	i)					
X Stte Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC								

19 Operator Applic	ation Certification:				
	the information submitted with this applic	cation is true, accurate	and complete to the	best of my knowledge and belief.	
Name (Print)	Tamra Sessions		Title:	Staff Regulatory Technician	
Signature:	Tampless	in	Date.	5-6-09	
e-mail address.	sessitd@conocophillips	.com	Telephone:	505-326-9834	
20					
OCD Approval:	Permit Application (including clo	sure plan) [ C	Closure Plan (only)	OCD Conditions (see attach	ment)
OCD Represent	ative Signature:	Sell		Approval Date:	0-30-09
Title:	Enviro/spee		OCD Power	nit Number:	(
	Livers / Spec			nt Number.	
Instructions: Opera report is required t	(required within 60 days of closure of tors are required to obtain an approved of the bold of the division within 60 da the closure acti	osure plan prior to im ys of the completion of	plementing any closs the closure activitie leted.	ire activities and submitting the closur	-
22					
Closure Method	_		1 ~.		
l 😑		losure Method	Alternative Closure	Method Waste Removal (Clos	ed-loop systems only)
If different	from approved plan, please explain.				
	egarding Waste Removal Closure For Cl te identify the facility or facilities for when				
were utilized.	No. No.		Duamanal Familie	D-marit Nicocolon	
Disposal Facilit  Disposal Facilit			Disposal Facility	Permit Number:	
· -	l-loop system operations and associated act	ivities performed on o	-		tions?
l <del>–</del>	please demonstrate compliane to the item				
Required for im	pacted areas which will not be used for fut	ure service and operat	tions:		
	nation (Photo Documentation)				
=	lling and Cover Installation	•			
Re-vegetati	on Application Rates and Seeding Technic	ue			
the box, that th	rt Attachment Checklist: Instructions e documents are attached. Closure Notice (surface owner and divis		g items must be atto	nched to the closure report. Please in	dicate, by a check mark in
Proof of D	ecd Notice (required for on-site closure	e)			
Plot Plan (	for on-site closures and temporary pits)	•			
Confirmat	ion Sampling Analytical Results (if app	licable)			
Waste Ma	terial Sampling Analytical Results (if a	oplicable)			
l 😑 🐪	Facility Name and Permit Number				
ı <del>=</del>	filling and Cover Installation	10.01.0.0			
	tion Application Rates and Seeding Tec mation (Photo Documentation)	milque		i	
l —	osure Location: Latitude:		Longitude:	NAD 19	27 🗍 1983
Oil-site Ci	osure Location. Landade.			INAD   IS	
25					
Operator Closur I hereby certify that	ce Certification: t the information and attachments submitte es with all applicable closure requirements	-			edge and belief. I also certify that
Name (Print):			Title <sup>.</sup>		
Signature:			Date:		
a mail addrace:			Telephone:	i	

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

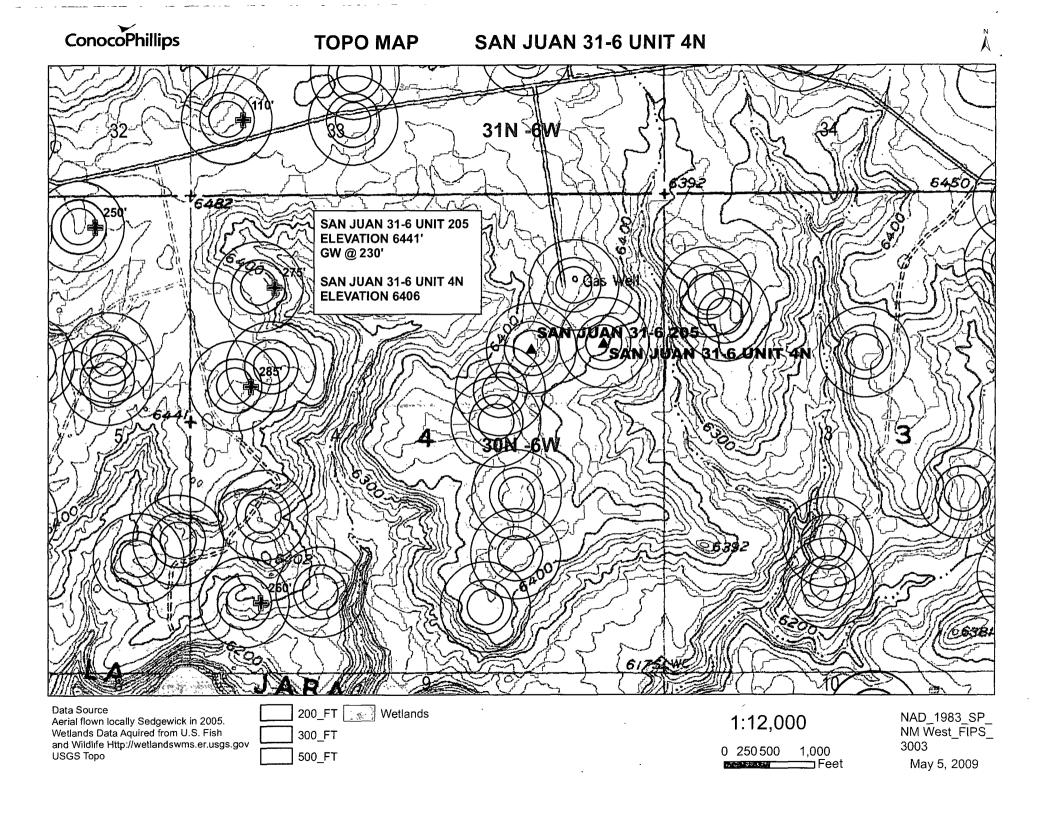
POD Reports and Downloads
Township: 30N Range: 06W Sections: 3,4,5,8,9,10
NAD27 X: Zone: Search Radius:
County: Basin: Number: Suffix:
Owner Name: (First) (Last) C Non-Domestic C Domestic
POD / Surface Data Report Avg Depth to Water Report Water Column Report
Clear Form WATERS Menu Help
WATER COLUMN REPORT 05/05/2009
(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are biggest to smallest)  POD Number  Tws Rng Sec q q q Zone X Y Well Water Columns

No Records found, try again

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

Township: 31N Range: 06W Sections: 32,33,34  NAD27 X: Y: Zone: Search Radius: Suffix:
County: Basin: Number: Suffix:
Owner Name: (First) (Last) C Non-Domestic C Domestic
POD / Surface Data Report Avg Depth to Water Report
Water Column Report  Clear Form iWATERS Menu Help
WATER COLUMN REPORT 05/05/2009  (quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are biggest to smallest) Depth Depth Wat
POD Number         Tws         Rng         Sec         q         q         Q         Zone         X         Y         Well         Water         Columbia           SJ         00011         31N         06W         32         610

Record Count: 1



#### DATA SHEET FOR DEEP BED CATHODIC PROTECTION WELLS NORTHWESTERN NEW MEXICO

(SUBMIT 2 COPIES TO OCD AZTEC OFFICE)

205-30-039-24486

PPCO DESIGNATION: FM-518

OPERATOR: PHILLIPS PETROLEUM COMPANY

FARMINGTON, N.M. 87401

LOCATION: G 4-30-6

LEASE NUMBER: 650294

(505) 599-3400

NAME OF WELL,'S OR PIPELINE SERVED: (1) 31-6#205

(2) N/A

ELEVATION: NA

COMPLETION DATE: 09/09/91

LAND: FEE

CASING INFO.; SIZE: 8

IN.

TYPE: FVC

TOTAL DEPTH: 380 FT.

DEPTH: 20 FT. CEMENT USED: NA

IF CEMENT OR BENTONITE PLUGS HAVE BEEN PLACED, SHOW DEPTHS & AMOUNTS:

FLUG DEPTH: NONE PLUG AMOUNT: NONE

WATER INFORMATION:

WATER DEPTH (FT): (1) 230 ✓ (2) -0-

WATER INFORMATION: NA

DEPTHS GAS ENCOUNTERED (FT): NA

TYPE AND AMOUNT OF COKE BREEZE USED:

COKE TYPE: METALLURGICAL COKE BREEZE

COKE AMOUNT: 3725 LBS.

DEPTHS ANODES PLACED (FT):

230,260,270,280,300,310,320,330,340,350

DEPTH VENT PIPE PLACED (FT): 380

VENT PIPE PERFORATIONS (FT): TOP 220 BOTTOM 380

REMARKS: -0-

IF ANY OF THE ABOVE DATA IS UNAVAILABLE, PLEASE INDICATE SO. COPIES OF ALL LOGS, INCLUDING DRILLERS LOG, WATER ANALYSIS & WELL BORE SCHEMATICS SHOULD BE SUBMITTED WHEN AVAILABLE. UNPLUGGED ABANDONED WELLS ARE TO BE INCLUDED.

\* - LAND TYPE MAY BE SHOWN: F-FEDERAL; I-INDIAN; S-STATE; P-FEE IF FEDERAL OR INDIAN, ADD LEASE NUMBER.

NA-INFORMATION NOT AVAILABLE

CC: CP FILE--FARMINGTON HOUSTON

FEB21 1992 OIL CON. DIV.

REPRODUCTION OF "OCD" FORM

Form 3160-4 (November 1983) (formarty 9-330)

#### UNITED STATES DE

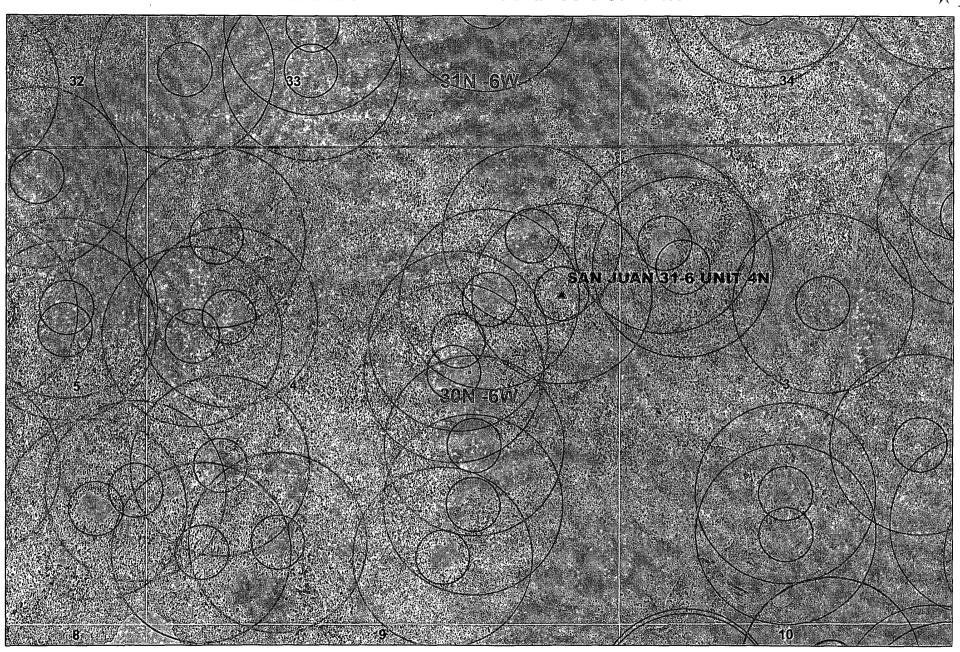
SUBMIT IN DUPLICATE.

Form approved. [J Budget Bureau No. 1004-0137 Expires August 31, 1985

PARTMENT	OF	THE	INTERIOR		-truc
BUREAU OF L	AND	MANAG	EMENT	ī., .	:

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WELL CO			MPLETION	REPORT A	ND LOG .	G IF INDIAN, ALI	OTTER OR TRIBE NAM
	<b>W</b> (	RILL WHAT	X DRY C	Other		TINT ALHEENE	NT YAME
b. TYPE OF COM		EEP PITG	DIFF -	•	·		n 31-6 Uni
TAME UN OFFRAT	*** E1	- P.V.K	PESSR	Other		- : ARTH OR IELS	
						San Jua	n 31-6 Uni
Meridian O	RATOR	1				205	
PO Box 42	89, Farm	mington,	NM 87499			10. FIELD AND PO	OL. UE WILDCAT
4. FOCATION OF WEL	L (Report locat	tion clearly and in	accordance with an	y State requirem	ente)*	— Basin Fr	uitland Co
At surface		1690'N,	, 1450'E	200		IL MEC T.R.M.	uitland Co
At top prod. into	erval reported b	)elo#		المجالين المراب	SATTIM	Sec 4 T-	30-N,R-6-W
At total depth				,	1,000	NMPM '	30-N, K-0-%
			14. PERMIT NO	- OÁ2	E ISSUED	12. COUNTY OR PARISH RIO Arr	iba NM
DATE SPUDDED	18. DATE T.D.	REACHED   17 DA	TE COMPL. (Ready )	to prod.) 1% Et	EVATIONS (DF. RK		RLEY, CASINGHEAD
)5-15-89			08-04-89		6441' V		
O. TOTAL DEPTH. MB	4 TVD 21. PL	US, BACK T.D., MD 4	1 22. IF WELL		23 INTERTAL	B ROTARY TOOLS	CANLE TOOLS
32831		S COMPLETION TO	OP. SOTTOM, NAME (	1		A P P	75
). PRODUCING INTER	WALLED. OF PRI	T CONFERENCE	P. SOTTUM, VASIS (	SE SE	Y	6 Ex	25. WAS DIRECTIONAL SURVET MADE
Fruitlan	d Coal -	uncement	ed Liner	٠. ٠	£393 0 19	:00 P	No
. TYPE ELECTRIC A			.00 217,01		<u></u>	10.5	ATS METT COSED
ione ·				<u> </u>		SIV	no
CASING SIZE	WEIGHT. LE		SING RECORD (Re				
- <del></del>				DI. 8 3122		NG RECORD	- AMDICAL BAFFE
5/8"	36.0# 20.0#			2 1/4"   8 3/4"	177 cu. 976 cu.		
	-  2U • U #	310	2	0 3/4	270 Cu.	<u> </u>	-
		LINER RECORD			30.	TUBING RECORD	
8128	TOP (MD)	SOTTOM (MD)	SACKS CEMENTS	SCREEN (MD)	3128	OFFTR BET (MD)	PACKER SET IMD
		220	did not				
1/2	3055	3282	ura not	cmt	2 3/8"	3249	
			dra not				UEEZE ETC.
. PERFORATION REC	OBB (Interval, i	eue and number)			ACID. SHOT. FRA	ACTURE CEMENT SQ	<del></del>
. PERFORATION REC	OBB (Interval, i	eue and number)		32.	ACID. SHOT. FRA	ACTURE. CEMENT SQ	<del></del>
. PERFORATION REC	OBB (Interval, i	eue and number)		32.	ACID. SHOT. FRA	ACTURE. CEMENT SQ	
. PERFORATION SEC	OBB (Interval, i	eue and number)		32.	ACID. SHOT. FRA	ACTURE. CEMENT SQ	<del></del>
1. PERPORATION REC	OBB (Interval, i	eue and number)	er)	32. DEPTH INTERI	ACID. SHOT. FRA	ACTURE. CEMENT SQ	<del></del>
3148-3280 '	(predri	illed line	er)	32. DEPTH INTERI	ACID. SHOT. FRA	ACTURE. CEMENT SQ	MATRRIAL TERM
PERFORATION ASC 3148-3280 '	(predri	eue and number) illed line	er) PRO (Flowing, gas 14/1, g	DEPTH INTERS	ACID. SHOT. FRA  (AL (MD)  (Stype of pump)	ACTURE. CEMENT SQ	MATERIAL (CSED)
148-3280' 148-3280' 1.* TE PIRET PRODUCTI	(predri	eue and number; illed line curren marrice o	PRO (Flowing, gas lift, g	DEPTH INTERS	ACID. SHOT. FRA  VAL. (MD)  Stype of pump)  of commo	WELL STATER—BDL.	CATON DE CASOL BARIO
. PERFORATION BEC 3148-3280 '  158 PIRST PRODUCTI t-in Wait:	(predri	eue and number) illed line eucrion marrice co	PRO (Flowing, gas lift, gannection Propin, For TEST PERSON	DEPTH (NTER) DUCTION DUCTION Capable	ACID. SHOT. FRA  VAL. (MD)  Stype of pump)  of commo	ACTURE. CEMENT SQ	CATON DE CASOL BARIO
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Data Source Aerial flown locally Sedgewick in 2005. Wetlands Data Aquired from U.S Fish and Wildlife Http://wetlandswms.er.usgs gov USGS Topo

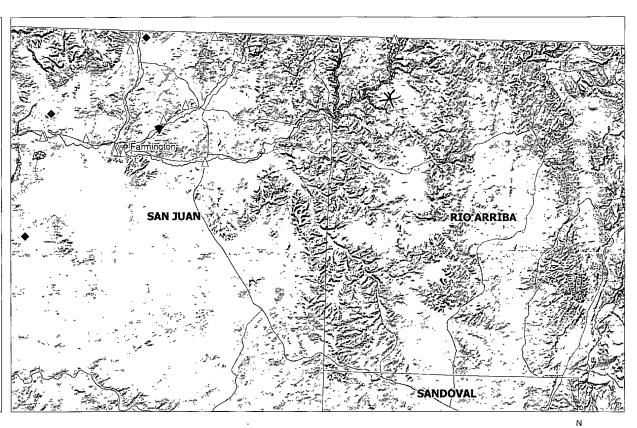
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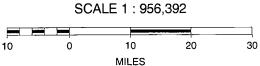
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0 250 500 1,000 Feet NAD\_1983\_SP\_ NM West\_FIPS\_ 3003 May 5, 2009

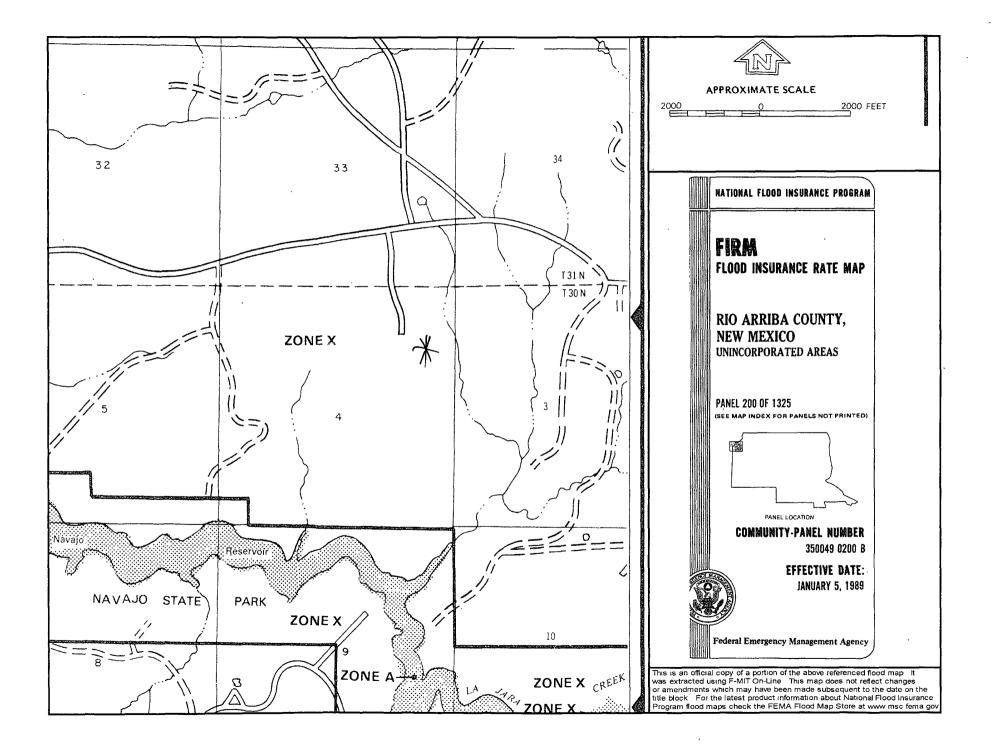
# SAN JUAN 31-6 UNIT 4N Mines, Mills & Quarries

	· · · · · · · · · · · · · · · · · · ·
Mines, Mills	& Quarries Commodity Groups
. Δ	Aggregate & Stone Mines
•	Coal Mines
*	Industrial Minerals Mines
▼	Industrial Minerals Mills
2	Metal Mines and Mill Concentrate
<b>65</b>	Potash Mines & Refineries
ä	Smelters & Refinery Ops.
**	Uranium Mines
•	Uranium Mills
Population	
	Cities - major
Transportation	on
+;+	Railways
	Interstate Highways
***************************************	─ Major Roads









#### Siting Criteria Compliance Demonstration & Hydro Geologic Analysis

The San Juan 31-6 Unit 4N is not located in an unstable area. The location is not over a mine and is not on the side of a hill as indicated on the Mines, Mills and Quarries Map and Topographic Map. The location of the excavated pit material will not be located within 300' of any continuously flowing watercourse or 200' from any other watercourse as indicated on the Topographic Map. The location is not within a 100-year floodplain area as indicated on the FEMA Map. The Cathodic well data from the San Juan 31-6 Unit 205 has an elevation of 6441' and groundwater depth of 230'. The subject well has an elevation of 6406' which is less than the San Juan 31-6 Unit 205, therefore the groundwater depth is greater than 190'. There are no iWATERS data points located in the area as indicated on the TOPO Map. The hydro geologic analysis indicates the groundwater depth and the San Jose formation will create a stable area for this new location.

#### Hydrogeological report for San Juan 31-6 Unit 4N

#### 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.

DISTRICT I 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. 67410

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

☐ AMENDED REPORT

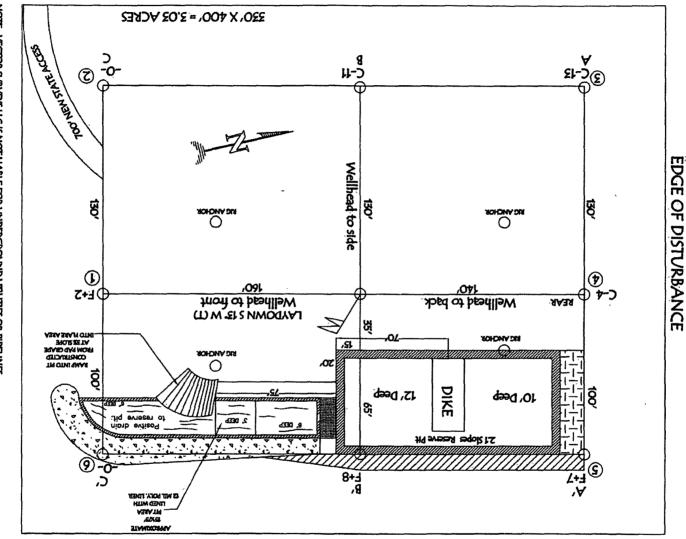
#### WELL LOCATION AND ACREAGE DEDICATION PLAT

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								DAKO	TA/MESAV	ERDE		
<sup>4</sup> Property C	ođe				6 Property					1	n Aff	ell Number 4N
OGRID No		SAN JUAN 31-6 UNIT										
OGRED NO	).	Operator Name CONOCOPHILLIPS COMPANY								Elevation 3406'		
		<u> </u>						····				0400
<del></del>					10 Surface							· · · · · · · · · · · · · · · · · · ·
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PIPLINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED VECTOR SURVEYS LLC IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES

CONOCOPHILLIPS COMPANY
SECTION 4, T-30- N, R-6-W, NMPM, RIO ARRIBA COUNTY, NM
SECTION 4, T-30- N, R-6-W, NMPM, RIO ARRIBA COUNTY, NM
CONOCOPHILLIPS COMPANY

GROUND ELEVATION: 6406', DATE: SEPTEMBER 20, 2006

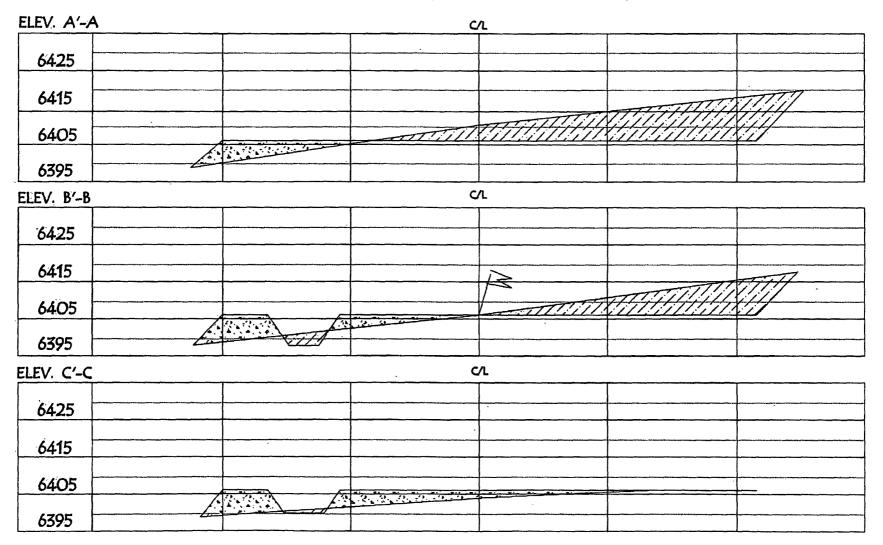


ATTUDE: 36' 50.6583'N LONGITUDE: 107' 27.6520'W NADZ7

RESERVE PIT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW - 3' WIDE AND 1' ABOVE SHALLOW SIDE)

### CONOCOPHILLIPS COMPANY

SAN JUAN 31-6 UNIT 4N, 1640' FNL & 660' FEL SECTION 4, T-30- N, R-6-W, NMPM, RIO ARRIBA COUNTY, NM GROUND ELEVATION: 6406', DATE: SEPTMEBER 20, 2006



NOTE: VECTOR SURVEYS LLC 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.

# 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

#### **General Plan:**

- 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. The facilities to be used will be Basin Disposal (Permit #NM-01-005) and Envirotech Land Farm (Permit #NM-01-011).
- 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 prior to closure as per the approved closure plan via 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 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.
- 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 the San Juan County Landfill located on CR 3100.
- 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.

Benzene EPA SW-846 8021B c		0.2
BTEX	or 8260B	50
TPH EPA SW-846 41	8.1	2500
GRO/DRO EPA SW-846 801	15M	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

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.