District I

1625 N French Dr., Hobbs, NM 88240

District II

1301 W Grand Ave., Artesia, NM 88210

District III

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

Department Oil Conservation Division 1220 South St. Francis Dr.

July 21, 2008 For temporary pits, closed-loop sytems, and below-grade tanks, submit to the appropriate NMOCD District Office.

Form C-144

1000 Rio Brazos Rd , Aztec, NM 87410	Santa Fe, NM 87505	For permanent pits and exceptions submit to the Santa Fe Environmental Bureau office and provide a copy to the
District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505		appropriate NMOCD District Office
2441 Pit, Cl	osed-Loop System, Below-Gra	ade Tank, or
Proposed Al	ternative Method Permit or Cl	osure Plan Application
Type of action: Permi	t of a pit, closed-loop system, below-grade	e tank, or proposed alternative method
	re of a pit, closed-loop system, below-grad	
Modif	ication to an existing permit	
	re plan only submitted for an existing pern -grade tank, or proposed alternative metho	nitted or non-permitted pit, closed-loop system,
Instructions: Please submit one application	(Form C-144) per individual pit, closed-l	loop system, below-grade tank or alternative request
- · · · · · · · · · · · · · · · · · · ·		ns result in pollution of surface water, ground water or the able governmental authority's rules, regulations or ordinances
Operator: ConocoPhillips Company		OGRID#: 217817
Address: PO Box 4289, Farmington, NM 874	199	
Facility or well name: San Juan 29-5 Unit 23B		
API Number: 30-039-3004		mber:
U/L or Qtr/Qtr: B(NW/NE) Section: 16		5W County: Rio Arriba
Center of Proposed Design: Latitude:	36,73042 °N Longitude:	107.36157 °W NAD: 1927 X 1983
Surface Owner: Federal X Sta	ate Private Tribal Trust or Inc	dian Allotment
Permanent Emergency Cavitation X Lined Unlined Liner type: X String-Reinforced Liner Seams. X Welded X Factory	P&A Thickness 12 mil X LLDPE Other Volume: 44	HDPE PVC Other
Type of Operation: P&A Drilling a	_	s to activities which require prior approval of a permit or
Drying Pad Above Ground Steel Tan	nks Haul-off Bins Other	HDPE PVD Other 73141516777
Lined Unlined Liner type:	Thicknessmil LLDPE	HDPE □PVD □Other □ RECEIVE
Liner Seams: Welded Factory	Other	2 RECEIVE
4		
Below-grade tank: Subsection 1 of 19.15 17		10 ON COMO DA DA
	pe of fluid:	OIL CONS. DIV. DIS
Tank Construction material	Tytuta elden in the Control	(4.5)
Secondary containment with leak detection Visible sidewalls and liner Visible visible visible sidewalls and liner	☐ Visible sidewalls, liner, 6-inch lift and a ble sidewalls only ☐ Other	automatic overflow shut-off
Liner Type: Thickness mil	ole sidewalls only Other HDPE PVC Other	
5 Alternative Method:		
Submittal of an exception request is required. Exce	eptions must be submitted to the Santa Fe Envir	ronmental 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, institution or church) 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)								
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 consideration of approval. (Fencing/BGT Liner) Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval								
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. (Applies to temporary, emergency, or cavitation pits and below-grade tanks)	Yes NA	No						
 Visual inspection (certification) of the proposed site; Aerial photo; Satellite image Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. 	Yes	□No						
(Applied to permanent pits) - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image								
Within 500 horizonal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application.	Yes	□No						
- NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site. Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended - Written confirmation or verification from the municipality; Written approval obtained from the municipality	Yes	∏No						
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	Yes	□No						
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD - Mining and Mineral Division	Yes	∐No						
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	Yes	No						
Within a 100-year floodplain - FEMA map	Yes	No						

Form C-144 Oil Conservation Division Page 2 of 5

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 irems 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
Siting 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 Cl. 11 C. 4 B. 44 B. 4 C. 11 4 C. 12 C.
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
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

16 Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: (19.15 17 13.D NMAC)									
Instructions: Please identify the facility or facilities for the disposal of liquids, drilling fluids and drill cuttings. Use attachment if more than two face required.	lacılıtıes								
Disposal Facility Name Disposal Facility Permit #									
Disposal Facility Name: 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 s Yes (If yes, please provide the information No									
Required for impacted areas which will not be used for future service and operations: Soil Backfill and Cover Design Specification - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC 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									
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 Recommendations of acceptable source material are provided belic certain siting criteria may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to the for consideration of approval Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC for guidance.									
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 obtained from nearby wells	∐N/A								
Ground water is between 50 and 100 feet below the bottom of the burned waste	Yes X No								
- NM Office of the State Engineer - iWATERS database search, USGS; Data obtained 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 - tWATERS database search; USGS; Data obtained from nearby wells	∐N/A								
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or playa lake (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 existence at the time of initial application.	Yes X No								
- 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 than five households use for domestic or stock watering purposes, or within 1000 horizontal fee of any other fresh water well or spring, in existence at the time of the initial application. - NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site									
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended									
 Written confirmation or verification from the municipality; Written approval obtained from the municipality Within 500 feet of a wetland US Fish and Wildlife Wetland Identification map; Topographic map, Visual inspection (certification) of the proposed site 	Yes X No								
Within the area overlying a subsurface mine.	Yes X No								
- Written confirantion or verification or map from the NM EMNRD-Mining and Mineral Division									
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	Yes X No								
Within a 100-year floodplain FEMA map	Yes X No								
On-Site Closure Plan Checklist: (19.15 17.13 NMAC) Instructions: Each of the following items must bee attached to the closury by a check mark in the box, that the documents are attached.	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 requirements of Subsection F of 19.15.17.13 NMAC									
Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of 19.15.17.11 NMAC									
Construction/Design Plan of Temporary Pit (for in place burial of a drying pad) - based upon the appropriate requirements of	19.15.17.11 NMAC								
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 X Waste Material Sampling Plan - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC									
 Waste Material Sampling Flair - based upon the appropriate requirements of Subsection F of 19.13.17.13 NAME Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards ca 	annot be achieved)								
X Soil Cover Design - 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									
Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC									

Form C-144 Oil Conservation Division Page 4 of 5

0 Operator Application			
	formation submitted with this application is tru		
Name (Print).	Tamra Sessions	Title:	Staff Regulatory Technician
Signature:	amosissino	Date:	4-15-09
e-mail address.	sessitd@conocophillips.com	Telephone	505-326-9834
OCD Representative S	Permit Application (including closure plan) ignature: 33464	Ш	Approval Date:
.me:	no rouspec	OCD Peri	mit Number:
Instructions: Operators at report is required to be su	•	prior to implementing any clos mpletion of the closure activiti been completed.	C sure activities and submitting the closure report. The closure es. Please do not complete this section of the form until an re Completion Date:
22			
Closure Method: Waste Excavation	and Removal On-site Closure Meti	hod Alternative Closure	e Method Waste Removal (Closed-loop systems only)
nstructions: Please ident vere utilized. Disposal Facility Name		is, drilling fluids and drill cutt Disposal Facilit	ings were disposed. Use attachment if more than two facilities y Permit Number:
	ystem operations and associated activities performs demonstrate complitance to the items below)	<u></u>	y Permit Number: of be used for future service and opeartions?
Site Reclamation of Soil Backfilling ar	areas which will not be used for future service Photo Documentation) id Cover Installation	and operations:	
Re-vegetation App	dication Rates and Seeding Technique		
he box, that the docur Proof of Closure Proof of Deed N Plot Plan (for on- Confirmation Sa Waste Material S Disposal Facility Soil Backfilling a Re-vegetation A			ached to the closure report. Please indicate, by a check mark in .
On-site Closure	Location. Latitude	Longitude:	NAD 1927 1983
		•	e and complete to the best of my knowledge and belief. I also certify that closure plan.
ignature:		Date	
-mail address:		Telephone:	

Form C-144 Oil Conservation Division



New Mexico Office of the State Engineer Water Column/Average Depth to Water

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

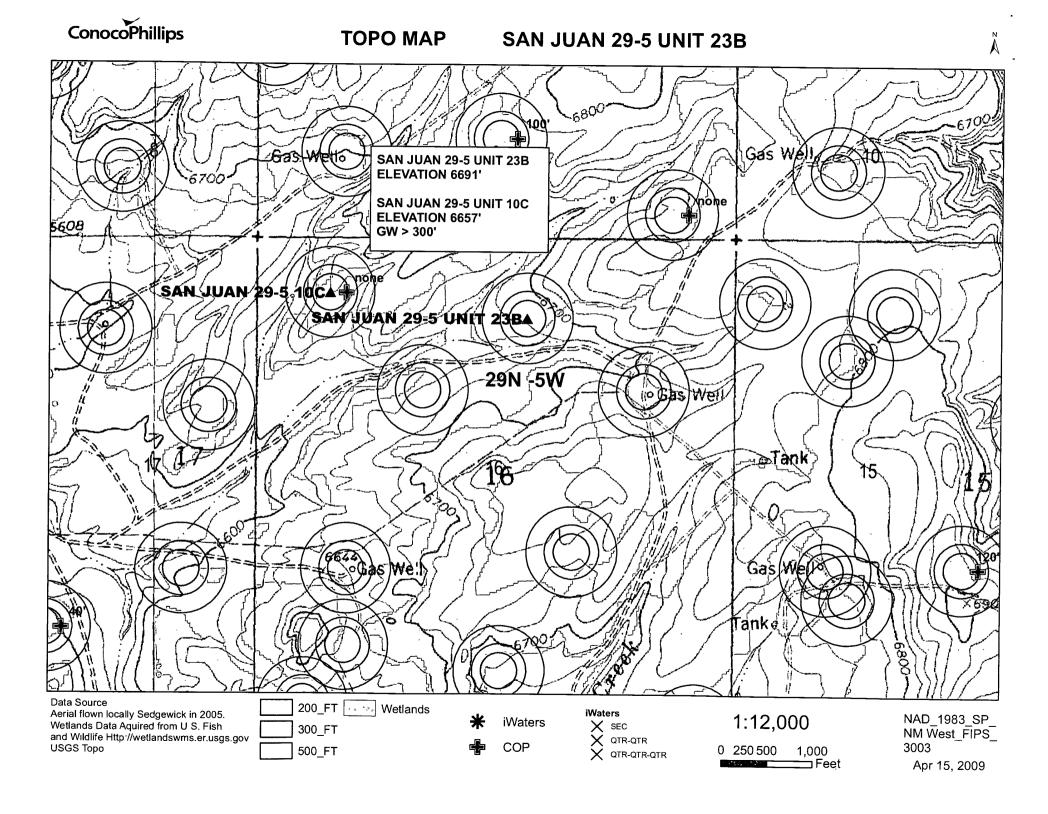
FOD Maniper William Section County with the County of the	POL) Number		County	Q Q Q 64 16 4 Sec Tv	vs Rng	Depth Depth Water Y Well Water Column
---	-----	----------	--	--------	-------------------------	--------	---------------------------------------

SJ 03593 Rio Arriba 4 2 4 21 29N 05W 289638 4065295 300

Record Count: 1 Average Depth to Water: null feet

Minimum Depth: null feet

Maximum Depth: null feet



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

COMPANY: Conoco Phillips

LOCATION: San Juan 29-5 10C

STATE: NM BIT SIZE: 7 7/8"

LBS COKE BACKFILL: 2,600# ANODE TYPE: 2" X 60" Duriron DATE: June 16, 2008 LEGALS: S16 T29N R5W DRILLER: Gilbert Peck

CASING SIZE/TYPE: 8" X 20' PVC

VENT PIPE: 300' ANODE AMOUNT:

COUNTY: Rio Arriba DEPTH: 300' COKE TYPE: Asbury PERF PIPE: 140'

10BOULDER DRILLING: None

DEPTH	DRILLER'S	LOG	AMPS	DEPTH	DRILLER'S LOG	AMPS
20	Casi	ng		310		
25	Sands		.6	315		
30	Gray S		1.3	320		
35			1.3	325		
40			1.6	330		
45			1.7	335		
50			1.7	340	<u> </u>	
55	★		1.7	345	 	
60	Sands	tone	.7	350		
65			6	355		
70	Gray S	hale	1.9	360		
75			2.7	365		
80	}		2.7	370		
85	₩		2.1	375		
90	Sands	tone	.6	380	 	
95	L	toric	.3	385		
100	 		.9	390		-
105			.3	395	 	
110	 		.3	400		
115			.5	405		
120			.4	410		
125				415		-
130	 -		.8	420		
135				425		
140			.2		 	
			.2	430		
145			.2	435		
150			.2	440		
155			.2	445		
160			.2	450		
165			.2	455		
170			.2	460	<u> </u>	
175			.3	465		
180			.3	470		
185			.6	475		
190			.7	480		
195			.7	485		
200			.7	490		
205			.4	495		
210			.2	500		
215			.3	L		
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225			1.3			
230			1.8			
235			1.4			
240			1.2			
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2		270	1.0	2.2
3		260	1.0	1.5
4		250	1.0	1.9
5		240	1.2	2.6
6		230	1.8	4.1
7		220	1.0	1.8
8		210	.2 .7	
9		200	.7	1.0
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4				

WATER DEPTH: None VISOLATION PLUGS: None LOGING VOLTS: 11.54

VOLT SOURCE: AUTO BATTERY

TOTAL AMPS: 10.4

TOTAL GB RESISTANCE: 1.10

REMARKS:

Form :	3160-
(October	1990)

UNITED STATES

SUBMIT IN DUPLICATE*

FOR APPROVED OMB NO. 1004-0137

					OF THE INT				reverse side)	5 LE	ASE DESIGNATION	ecember 31, 1991 ON AND SERIAL NO.	_
WELL	OMBI	ETION	1000	FOOMBI	ETION D	- D	OF AND	10		E-289-3 6 IF INDIAN ALLOTTEE OR TRIBE NAME			-
1a TYPE OF		EHO	OIL I		ETION R	EP(OKI AND	LO	G*	["	INDIAN, ALLOTTE	E OR TRIBE NAME	
18 TYPE OF	WELL.		MEI'T	GAS WELL X	DRYO	her				7.11	NIT AGREEMENT	NAME	
b TYPE OF	COMPLET	TION.								/. 0	San Juan 2		
	NEW X	WORK OVER	DEEP-	PLUG BACK	DIFF RESVR 0	ther				8 F/	RM OR LEASE N	AMÉ, WELL NO.	
									· 	L	San Juan 2	9-5 Unit #10C	_
2 NAME OF										9 A	I WELL NO		_
3 ADDRES	nocoPhil		NO							10 5	30-029-296		
				87499 (50	05) 326-970	0				١ " '	Blanco Me		
PO BOX 4289, Farmington, NM 87499 (505) 326-9700 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*										11 5		BLOCK AND SURVEY	
At surface Unit D (NWNW) 600' FNL, 800' FWL									'	OR AREA			
				_							Sec.16 T29	N R5W, NMPM	
At top pro	d. interval	reported be	low	Same as a	bove]			DOUG MOHOOSA
At total de	epth S	ame as	above							l			RCVD NOV28'06
				ı	14. PERMIT NO		DATE ISSUE	-		12.	COUNTY OR	13 STATE	OIL COWS. DIV.
					FEMMIT NO	•	DATE 1990E	U		'2 '	PARISH	13 STATE	0.70° ~
							L			<u> </u>	Rio Arriba	New Mexico	DIST. 3
15 DATE SPL 8/30/06		9/7/00	D. REACHED		COMPL (Ready to	prod)		18 EL	EVATIONS (DF. I	кв, ят, КВ	6190'	19 ELEV CASINGHEAD	
20 TOTAL DE				ACK T.D., MD &TV		PLE CO	OMPL.,		TERVALS		Y TOOLS	CABLE TOOLS	
						HOW N			RILLED BY			•	
61		/AL /S\ OF T		6168'	OM, NAME (MD AN	D TVD		<u> </u>		lyes	25 WAS DIREC	TIONAL	
24. PRODUCT	ION IN LEN	/AL (S) OF 1	nis COMPLE	ETION-TOP, BOTT	ON, NAME (MD AN	טייטו	"				SURVEY M		
			0' - 5938	1						In 144		No	
26 TYPE ELE				a Ray Casir	na Collers					21. W	S WELL CORED	No	
28.		LOG W	Cidillin	ritay odon		ORD	(Report all string	s set in	well)	-			
CASING SIZ	E/GRADE	WEIGH	Γ, LB /FT.	DEPTH SET (N			<u> </u>		EMENTING REC	ORD	Al	MOUNT PULLED	
9 5/8"		32.3#,		240'	12 1/4"		surface; 225		(261 cf)				
7"		20# J- 10.5#.		3925' 6181'	8 3/4" 6 1/4"		surface; 669 TOC 3220; 2	sx 60sx	(1441 cf) (377 cf)		100 bbls		
29.			LINER RE	CORD			30.			Ţ	JBING RECORD)	
SIZE	TOP (MC) BOT	TOM (MD)	SACKS CEMEN	T' SCREEN	(MD)	SIZE		DEPTH SET	(MD)	P/	ACKER SET (MD)	<u> </u>
							2-3/8"		5799'				
31 PERFORA	ATION RECO	RD (Interval	, size and nur	nber)	32		AC	ID, SHO	OT, FRACTURE	, CEME	NT SQUEEZE,	ETC.	
@1SPF					5775' -593	38'						20# 20/40 Brady	
5775'-5781 5795'-5938					<u> </u>				I, B-145 @ 1 @ N2-1180800		0 gal, F-103 (@ 1 gal/1000 gal	_
5208' - 572					5208' - 5	723'					kfoam w/915	50# 20/40 Brady	_
4360' - 480		holes										@ 1 gal/1000 gal	
Total Hole	s = 90				4360° - 4	8541					Total N2- 114	9700 SCF /200230# 20/40	_
					4300 4	001						04 @ 3 gal/1000 gal	_
			•					, J-21	18 @ 2# to 5#	/1000		3#/1000, N2-1481500	
DATE FIRST PE	ODUCTION			PRODUCTION CTION METHOD (F	lowing, gas lift, pun	nping	size and type of pu	mp)			SCF WELL STATUS	Producing or shut-in)	*******
SI					Flowing						SI		
DATE OF TEST		HOURS	ESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OILE	3BL	GAS-	-MCF	WAT	ER-BBL	GAS-OIL RATIO	
11/6/0	ô	1	1	1/2"				60 m	ncf	.21 (ow.		
FLOW. TUBING		CASING F		CALCULATED	OILBBL		GASMCF	1-0 "	WATER-E			OIL GRAVITY-API (CORE	(.)
		F05	20E	24-HOUR RATE			1440		 				
34, DISPOSIT	TON OF GAS		205 psi for fuel, veni	led, etc.)	L		1440 mcfd		5 bwpd		TEST WITNESS	ED BY	
₽ -	-7-		sold	•									
35 LIST OF A		ITS				_							
This is a Bi	anco Mes	saVerde v		elemekon in a	late and correct as	dote	and from all avell-	blo res-					

*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department of agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

TITLE Regulatory Technician



11/21/06

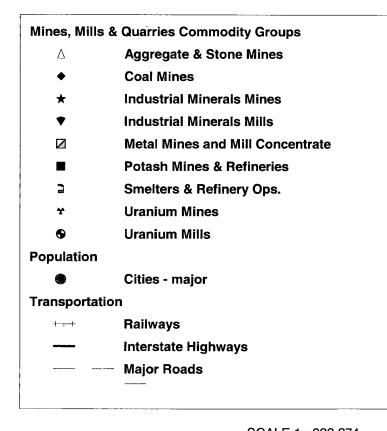
DATE

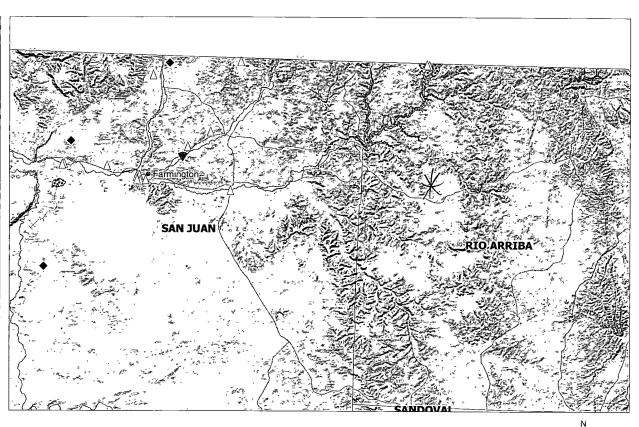
SAN JUAN 29-5 UNIT 23B

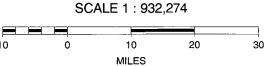
AERIAL MAP

ConocoPhillips

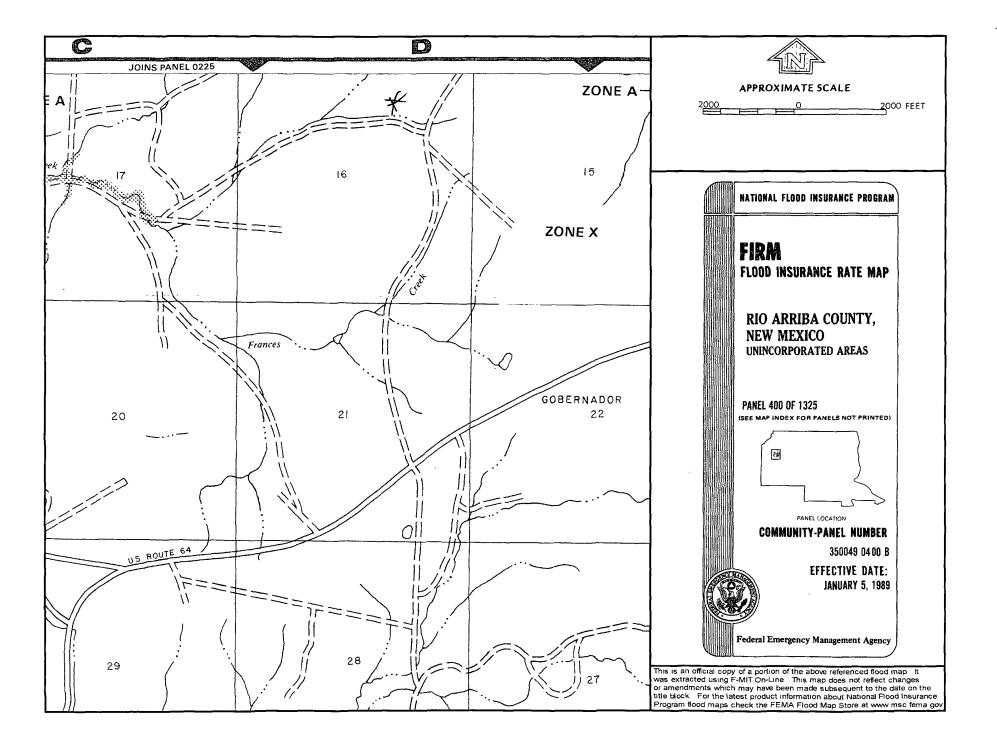
SAN JUAN 29-5 UNIT 23B Mines, Mills & Quarries











Siting Criteria Compliance Demonstration & Hydro Geologic Analysis

The San Juan 29-5 Unit 23B 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 29-5 Unit 10C has an elevation of 6657' and groundwater depth greater than 300'. The subject well has an elevation of 6691' which is greater than the San Juan 29-5 Unit 10C, therefore the groundwater depth is greater than 300'. 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 29-5 Unit 23B

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, NM 88240 State of New Mexico Energy, Minerals & Natural Resources Department

District II 1301 W. Grand Avenue, Artesia, NM 88210

District III 1000 Rio Brazos Rd., Aztec. NM 87410

District IV 1220 S St. Francis Dr., Santa Fe, NM 87505 OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe. NM 87505 Form C-102 Revised October 12, 2005 Instructions on back Ubmit to Appropriate District Office

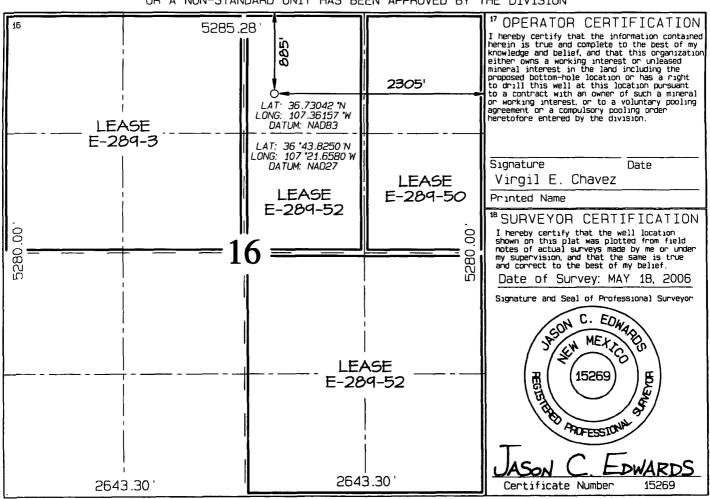
Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

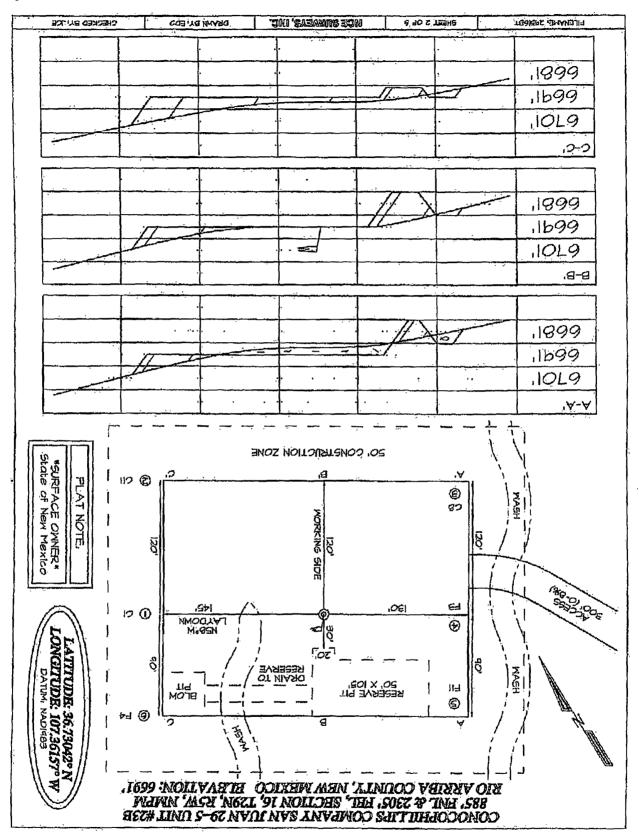
AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

'AP	I Number			ol Code / 7159	599 BLANCO MESAVERDE / BASIN DAKOTA					
¹Property 31325							11 Number 23B			
'OGRID N 21781			*Operator Name CONOCOPHILLIPS COMPANY							levation 6691'
¹⁰ Surface Location										
UL or lot no	Section 16	Township 29N	Range 5W	Lot Idn	Feet from the	North/South Tane NORTH	Feet from the 2305	East/West		County RIO ARRIBA
¹¹ Bottom Hole Location If Different From Surface										
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West	t line	County
12 Dedicated Acres		O Acres O Acres			¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION





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
 - 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.

Components	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.