UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB No. 1004-0136 Expires November 30, 2000

BOKEAU OF LAND	SF-078496-A	
APPLICATION FOR PERMIT	6. If Indian, Allottee or Tribe Name	
1a. Type of Work: ☑ DRILL ☐ REENTER	7. If Unit or CA Agreement, Name and No.	
1b. Type of Well: ☐ Oil Well Gas Well ☐ O	8. Lease Name and Well No. SAN JUAN 28-7 UNIT 214G	
2. Name of Operator Contact	ther Single Zone Multiple Z VICKI WESTBY	9. API Well No.
CONOCÓ INC.	E-Mail: Vicki.R.Westby@conoco.com	3003927053
3a. Address 10 DESTA DR., ROOM 608W MIDLAND, TX 79705	10. Field and Pool, or Exploratory BLANCO MESAVERDE/BASIN DAKO	
4. Location of Well (Report location clearly and in accord	dance with any State requirements.*)	11. Sec., T., R., M., or Blk. and Survey or Area
At surface NENE 410FNL 360FEL		Sec 4 T27N R7W Mer NMP
At proposed prod. zone		A
14. Distance in miles and direction from nearest town or pos	t office*	12. County or Parish 13. State RIO ARRIBA NM
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No. of Acres in Lease	17. Spacing Unit dedicated to this well 320.17
18. Distance from proposed location to nearest well, drilling	, 19. Proposed Depth	10. BLM/BIA Bond No. on file
completed, applied for, on this lease, ft.	7744 MD	
21. Elevations (Show whether DF, KB, RT, GL, etc. 6669 GL	22. Approximate date work will start	23. Estimated duration
	24. Attachments	
The following, completed in accordance with the requirements	of Onshore Oil and Gas Order No. 1, shall be attac	hed to this form:
 Well plat certified by a registered surveyor. A Drilling Plan. A Surface Use Plan (if the location is on National Forest Sy SUPO shall be filed with the appropriate Forest Service O 	stem Lands, the ffice). Item 20 above). 5. Operator certification 6. Such other site speci	perations unless covered by an existing bond on file (see in fic information and/or plans as may be required by the
25. Signature	authorized officer. Name (Printed/Typed)	Date
(Electronic Submission)	VICKI WESTBY	07/19/2002
AUTHORIZED SIGNATURE		
Approved by (Signature)	Name (Printed/Typed)	SEP 2.4 2002
Title	Office	
Application approval does not warrant or certify the applicant hoperations thereon. Conditions of approval, if any, are attached.	Lolds legal or equitable title to those rights in the su	bject lease which would entitle the applicant to conduct
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, States any false, fictitious or fraudulent statements or representations.	make it a crime for any person knowingly and will tions as to any matter within its jurisdiction.	fully to make to any department or agency of the United
Additional Operator Remarks (see next page)		
Electronic Submiss	sion #12912 verified by the BLM Well In r CONOCO INC., sent to the Farmingto	formation System
DRELONG OPERATIONS AUTHORIZED ARE	This action is a	and the same of th
SUBLICATIO COMPLIANCE WITH ATTACHED (GENERAL REQUIREMENTS).	procecural revie and appeal purs	Dject to technical and PW pursuant to 43 CFR 3165.3 Juant to 43 CFR 3165.4
JC		

** ORIGINAL **

District I PO Box 1980, Hobbs. NM 88241-1980

District II. PO Drawer DD, Artesia, NM 88211-0719

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

District IV PO Box 2088, Santa Fe, NM 87504-2088 State of New Mexico Energy, Manerals & Natural Resources Department

OIL CONSERVATION DIVISION PO Box 2088
Santa Fe, NM 87504-2088

Form C-102 Revised February 21, 1994 Instructions on back Submit to Appropriate District Office State Lease – 4 Copies Fee Lease – 3 Copies

JASON C. EDWARDS

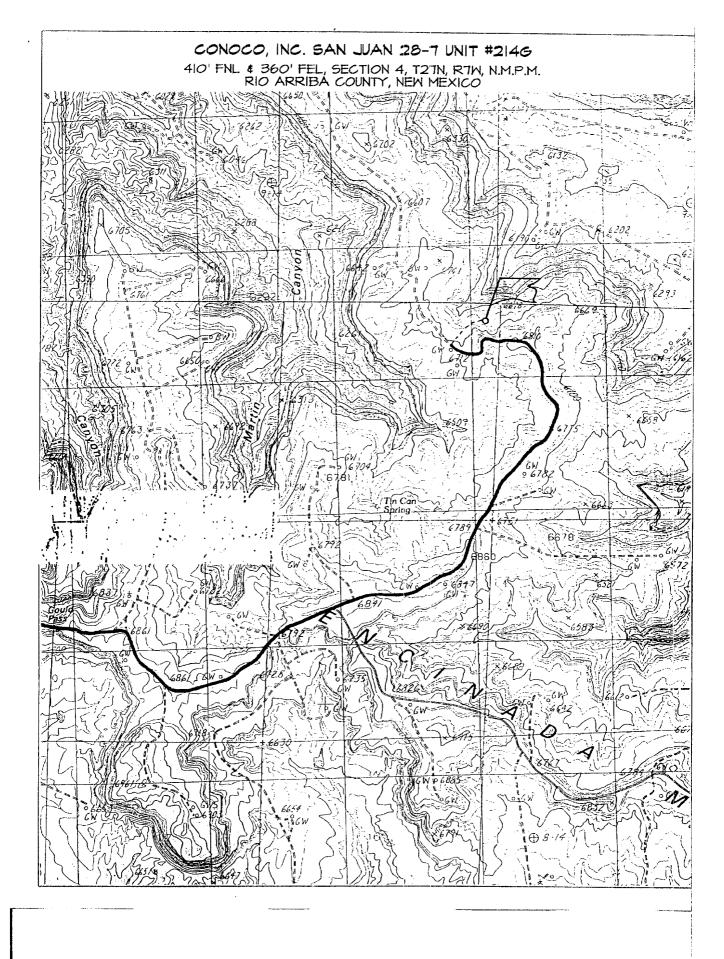
15269

Certificate Number

AMENDED REPORT

				WELL			ACREAGE DE	DICA	TION PL	_AT			
3) -/) '	API Numbe	5000	72	*Pool 0 319 /		BL ANCO	MEC	Pool Nam				
	*Property Code Property Name Well Number												
	0166	80	SAN JUAN 28-7 UNIT									214G	
	'0GRID 1						ator Name	:			*Elevation		
	0030	/ J		CONOCO, INC.								5669	
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DRILLING PROGRAM - SAN JUAN 28-7 214G



San Juan Business Unit

Well: SAN JUAN 28-7 2	14G Area	: EAST	A	FE #s:	4233/4234						AFE \$: 34049	96.21
Field EAST 28-7		: Key 43		S	tate: NM	Coun	ty Rio A	ırriba		API		
Location: Surface			- 									
Lat. 36.609538 Long:					1			Sec.: 4		: 27N	Abstract:	
ERA (Emergency Res		1						<u> </u>	1			1580 CO
Lat:		Long:		1.4.	İ		:		ir N			: <u>177</u> 0 (1790)
					- 140				ALE		3.7	
Formation Data Grou	na Levei (Assum	ekb b	582	FT					
Formation Call && Casing Points	Depth (TVD in F	t) (PSIG)	внт					Remarks				
Surface Casing	229			Sever to sur		ation is p	ossible.	9 5/8", 36 ppf,	J-55, STC	casing.	Circulate cen	ment
OJAM	2372			Possil	le water flow	'S			·			
KRLD	2522											
FRLD	3002			Possit	le gas							
PCCF	3252				··							
LEWS	3452											
Intermediate Casing	3552			7", 20	ppf, J-55, ST	C Casin	g. Circula	ate cement to su	urface.			
CHRA	4202											
CLFH	4897	1300		Gas; r	ossibly wet							
MENF	5042			Gas								
PTLK	5492			Gas								
MNCS	5792											
GLLP	6717											
GRHN	7394			Gas p	ossible, hight	y fracture	ed			·		
TWLS	7477			Gas								
CBBO	7612			Gas								
Total Depth	7744	3000		previo	us casing stri	ing. No d	open hole	irculate cement logs. Cased h	ole TDT w	ith GR to		
Logging Program :		*								ξ. · · · · · · · · · · · · · · · · · · ·		
Internediate Logs:	☐l og only i	f show GR	/ ILD [Triple	Combo 🔲	Other	·		- 1	-	LEC 4. 12 (LEC. # 193	ristrain.
TD Logs:	Triple Cor	nbo Dipm	eter 🔲 F	≀FT []	Sonic VS	SP 🛂 TO	OT []Ot	her		en server d'Arabien, e un ann		
Additional Information:							A	The state of the s				-
Comments:		· <u>········</u> ···························										

Printed On: 07/19/2002 7:50:39 AM



Well: San Juan 28-7 214G

County: San Juan Area: East 28-1 Rig: Key Rig 43

Company: Conoco, Inc. Engineer: Mr. Tom Schaefer

Date: 18-Jul-02

Surface Casing:

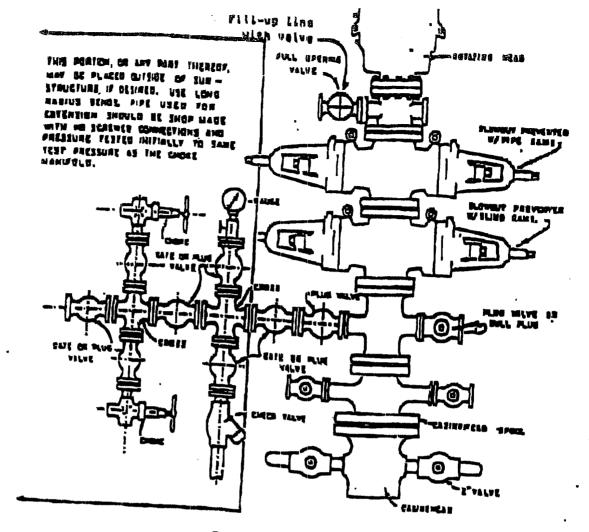
		93 sx	Type III Cement + 2%bwoc Calcium Chloride + 0.25 lbs/sk Cello Flake + 59.2% H2(
Slurry Weight:	13.5	ppg	
Slurry Yield	1.73	cf/sk	
Amount of Mix Water	9.08	gps	
Pump Time	4:22		
Compressives			
8 hrs @ 80 F	440	psi	
24 hrs @ 80 F	1000	psi	
48 hrs @ 80 F	1400	psi	
•			

Intermediate Casing:

Slurry 1	45	51 sx	Premium Lite Cement + 2 8% bwoc Bentonite + 11		: Calcium Chloride + 0.25 lbs/sc Cello Flake +		
Slurry 2 73 sx			Type III Cement + 2% bwoc Calcium Chloride + 0.25 lbs/sk Cello Flake + 59.2% H20				
Slur	ry 1		Slurry 2				
Slurry Weight:	12.1	ppg	Slurry Weight:	14.5	pog		
Sturry Yield	2.23	cf/sk	Slurry Yield	1.41	c*/sk		
Amount of Mix Water	12.05	gps	Amount of Mix Water	6.67	gos		
Pump Time	3:00		Pump Time	2:15			
Compressives			Compressives				
8 hrs @ 80 F		psi	8 hrs @ 80 F	800	psi		
24 hrs @ 80 F	250	psi	24 hrs @ 80 F	2150	psi		
48 hrs @ 80 F	525	psi	48 hrs @ 80 F	3625	psi		

Production Casing:

	33	31 sx	Premium Lite High Strength + 0.25 lbs/sk Cello Flake + .2% bwoc CD-32 + 0.65% bwoc FL-62 + 105.4% H20
Slurry Weight:	12.5	ppg	
Slurry Yield	2.02	cf/sk	
Amount of Mix Water	11	gps	
Pump Time	3:00		
Compressives			
8 hrs @ 140 F		psi	
24 hrs @ 140 F	1600	psi	
48 hrs @ 140 F	2000	psi	



BLOWOUT PREVENTER HOOKUP

Drilling contractors used in the San Juan Basing supply 3000 pai equipment, but cannot provide annular preventors because of sub-structure limitations. Haximum anticipated surface pressures for this well will not exceed the working pressure of the proposed Bop system. Please see the attached Bop diagram details 2000 pai equipment according to Onshore Order No. 2 even though the aquipment will test to 3000 pai. deletion of the annular preventor and fulfills your requirements (note diagram No. 1). In addition, the following equipment will comprise the 2000 psi system: 1.

- Two rams with one blind and one pipe ram. 2.
- Mill line (2 inch maximum).
- One kill line valve. 4.
- one choke line valve, 5,
- Two chokes (reference diagram No. 1). 6.
- Upper kelly cock valve with handle. Safety valve and subs to fit all drill strings in use. 7. 8.
- 9,
- Prassure gauge on choke menifold. 10.
- Fill-up line above the upper most preventer. Rotating head. 11.

Cathodic Protection System Description

Anode Bed Type	Deep Well	
Hole Size	3.	
Hole Depth	200' - 500'	As required to place anodes below moisture and in low resistance strata.
Surface Casing	8" Diam., ≥ 20" Length. Cemented in Annular Space	When needed, casing will be installed at an adequate depth to control ground water flow. Casing will extend a minimum of 2' above grade, be surrounded by a concrete pad, and sealed with a PVC cap. Steel casing will be substituted when boulders are ancountered.
Vent Pipe	1" Diam. PVC	Vent pipe will extend from bottom of hole, through top of casing cap, and sealed with a 1° perforated PVC cap.
Type Of Anodes	Cast Iron Or Graphite	
Number Of Anodes	9 - 20	Sufficient quantity to achieve a total anode bed resistance of <1 ohm and a design life ≥ 20 years.
Anode Bed Backfill	Loresco SW Calcined Patroleum Coke Braeze	installed from bottom of hole to 10' above top
Anode Junction Box	8 - 20 Circuit Fiberglass Or Metal	Sealed to provent insect & radent intrusion.
Current Splitter Box	2 - 5 Circuit Metal	Sealed to prevent insect & rodent intrusion.
DC / AC Cable	DC: #2, #4, #8, #8 Stranded Copper (One Size Or Any Combination Of) With High Molecular Weight Polyethylene (HMWPE) Insulation. AC: #8 Stranded Copper HMWPE	18" depth in typical situation. 24" depth in roadway. & 35" depth in arroyo's and streams. EXCEPTION: If tranching is in extremely hard substratum, depth will be 8 - 12" with cable installed in conduit. Installed above foreign pipelines if 1' clearance is available, if not, installed under foreign pipeline with 1' clearance (AC cable always installed under loreign pipeline in conduit).
Power Source	1) Rectifler 2) Solar Power Unit 3) Thermeelectric Generator	Choice of power source depending on availability of AC & other economic factors.
External Painting	Color to be selected according to BLM specifications.	Paint applied to any surface equipment associated with the CP system which can reasonably be painted.