Bur

MV-ØR

FORM APPROVED OMB No. 1004-0136 Expires November 30, 200

(August 1999)	DEPAI	UNITED ST	ATES HE INTERIOR		OMB No. 1 Expires Novem	
			MANAGEMENT		5. Lease Serial No. NMSF078640	
A	PPLICATION F	OR PERMIT 1	O DRILL OR RE	ENTER	6. If Indian, Allottee or Tri	be Name
la. Type of Work:	☑ DRILL □ R	EENTER			7. If Unit or CA Agreemen	t, Name and No.
ib. Type of Well:	☐ Oil Well 🛛 G	as Well □ Oth	er □ Sins	gle Zone 🛮 🔀 Multiple Z	8. Lease Name and Well N SAN JUAN 28-7 155F	0.
2. Name of Operator CONOCO INC		Contact:	VICKI WESTBY E-Mail: Vicki.R.Westby@	<u> </u>	9 API Well No	27037
3a. Address PO BOX 2197, D HOUSTON, TX	U 3084 77252-2197		3b. Phone No. (inclu Ph: 915.686.579		10. Field and Pool, or Expl BLANCOMESAVER BUSIN Day	oratory
4. Location of Well	(Report location clea	arly and in accorda	ince with any State requ	iirements.*)	11, Sec., T., R., M., or Blk.	
At surface At proposed pro-	NWSW 4. zone	O'FSL 1	780 FY	(22.23.26.28)	N Sec 22 T27N R7W I	Mer NMP
14. Distance in miles	and direction from ne	earest town or post	office*	JUL 2002	12. County or Parish RIO ARRIBA	13. State NM
	oposed location to nea so to nearest drig. uni		16. No. of Acres in L	case NS. DIV.	17. Spacing Unit dedicated 320.00	to this well
18. Distance from procompleted, appli	oposed location to nea ed for, on this lease, f	nrest well, drilling, t.	19. Proposed Dopth	6.8.1.9 E. J.	20. BLM/BIA Bond No. or	ı file
21. Elevations (Show 6667 GL	whether DF, KB, RT	, GL, etc.	22. Approximate date	e work will start	23. Estimated duration	
	····		24. Att	achments		
The following, complet	ed in accordance with	the requirements of	of Onshore Oil and Gas	Order No. 1, shall be attack	hed to this form:	
 Well plat certified b A Drilling Plan. A Surface Use Plan SUPO shall be file 		National Forest Syst	tem Lands, the fice).	Item 20 above). 5. Operator certification	perations unless covered by an existing an existing and an existing and and and and and and are may be seen as may are the seen and and are the seen are the seen and are the seen are t	· ·
25. Signature (Electronic Sub	emission)		Name (Printed/Typed VICKI WESTB			Date 06/17/2002
Title AUTHORIZED	SIGNATURE				770.	J
Approved by Signatu	ire) Liewy		Name (Printed/Typed)	- 1, - 1, - 1, - 1	Date /20/02
Title AFA	7		Office FF			, , , , , ,
Application approval doperations thereon. Conditions of approval		tify the applicant ho	olds legal or equitable t	itle to those rights in the su	bject lease which would entitle the	applicant to conduct
Title 18 U.S.C. Section States any false, fictitio	1001 and Title 43 U.s us or fraudulent stater	S.C. Section 1212, nents or representa	make it a crime for any tions as to any matter w	person knowingly and will ithin its jurisdiction.	Ifully to make to any department or ENT	agency of the United
Additional Operat	or Remarks (see	next page)			ΔE	MACS
		Fo	CONOCO NC &	d by the BLM Well In ent to the Farmingto	itormation System	2 2002
	Commi	tted to AFMSS	for processing by	Lucy Bee on 06/20/	2002 (02LXB0964AE)	4

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** REVISED **

·/WMO

Vw

District I PO'80x 1980, Hobbs, NM 88241-1980

District II PO Grawer OD, Antesia, NM 88211-0719

District III 1000 Rip Brazos Ad., Aztec, NM 87410 District IV

District IV PO Box 2088, Santa Fe, NM 87504-2088

1980'

5289.241

State of New Mexico Energy, Minerals & Natural Resources Department

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

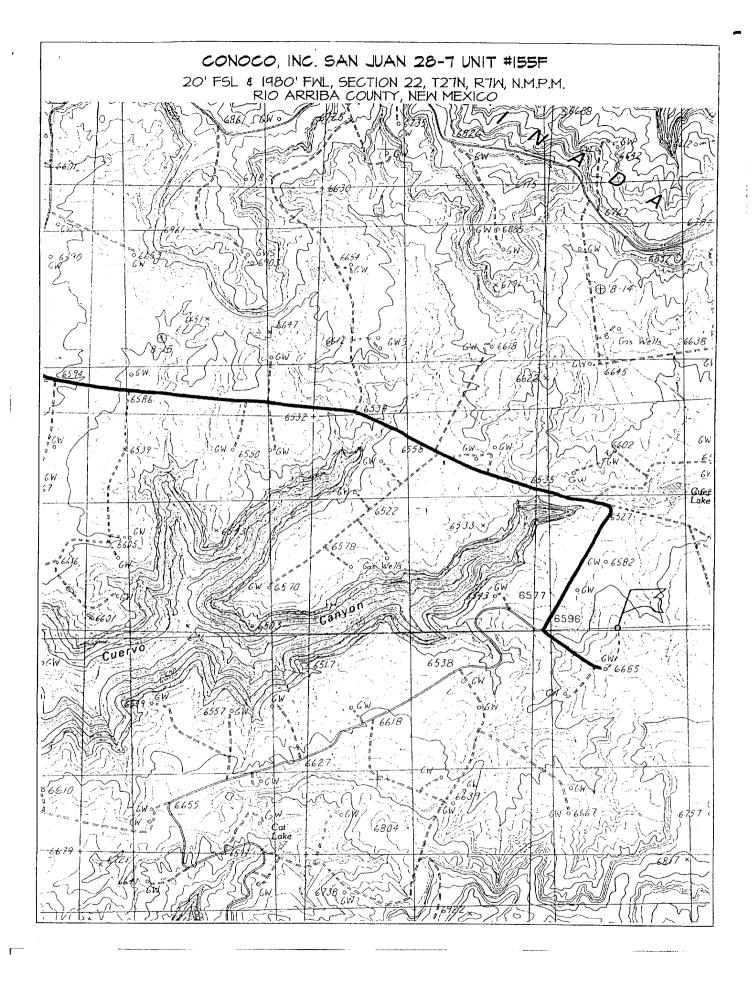
Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease – 4 Copies
Fee Lease – 3 Copies

Certificate Number

15269

_____AMENDED_REPORT

¹AF	ol Number			ool Code			ICATION PL	-01	
30-03	9-5	7037			39			BASIN DAKOT	Α
¹Property	1	<u> </u>			*Property			8 We	ell Number
01660					S NAUL NA				155F
70GRID 1	i				*Operator CONOCO,			i	Elevation
				1					6567
Ut on lot no.	Section	Township	Range	Lat Idn	O Surface Feet from the	LOCATION North/South/line	Feet from the	East/West line	County
N	55	27N	7 W		50	SOUTH	1980	WEST	ARRIBA
			Bottom		ocation I		From Surf	асе	
Uf or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres	320		L - W/	2	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.		<u> </u>
6		OR A	NON-51	ANDARD (83.30	UNIT HAS BE	ON UNTIL ALL EN APPROVED	BY THE DIVIS	SION ATOR CERTI	
		10	J <i>C</i>				I hereby	certify that the i	information
		035					to the t	d herein is true an pest of my knowledge	e and belief
							1 Lear	le 16 2.	27641
	830'	<u>_</u>	155E			!	Signatur		1
	30	0-039-2	26460				V 1CK 1 Printed	R. Westby	
					/5	7324252633		itle Analyst	
	ļ		1				Title		
2	5F-07	8640	Į,		ot 81	JUL 2002	Date	cl. 5, 260	<u> </u>
ம					E 1	ECE ON.	* SURVE	YOR CERTI	FICATION
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				22	V.	(actual surveys made ision, and that the it to the best of m	
(۲)					\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	i. ~~			
					T.	(101013)	zinvey_	Date: FEBRUAF	
						6.8 Les	Signature	and Seal of Profess	AY 26, 2002 Sional Surveyor
	30-c) 039-20	430		V	4.0.6.8 Les	Signature	and Seal of Profess	AY 26, 2002 Sional Surveyor
) 039-2 <i>0</i> 				(4.6.8 L)	Signature	and Seal of Profess	AY 26, 2002 Sional Surveyor
(°) (n)						(01.6.8 L 3)	Signature	and Seal of Profess C. EDWA	RY 26, 2002 Signal Surveyor
(t)		- 15				(01.6.8 L)	Signature	and Seal of Profess C. EDWA	RY 26, 200; sional Surveyor
()						(01.6.8 L 3)	Signature	and Seal of Profess C. EDWA	RY 26, 200 sional Surveyor



DRILLING PROGRAM - SAN JUAN 28-7 155F



San Juan Business Unit

Well: SAN JUAN 28-7 1	55F Area:	EAST		AFE #s:	4219						AFE \$: 33648	34.4
Field EAST 28-7	Rig:	Key 43		S	State: NM	Cou	nty Rio A	rriba		API	ł	
Location: Surface			Sale Sale				91		1	u in Pa		
Lat. 36.551875 Long:	a in a company of the same of	Footage X:	1980	FWL	Footage	20	FSL	Sec.: 22	Surve	y: 27N	Abstract:	7W
ERA (Emergency Res	ponse Area):								1			
Lat:		Long:	<u> </u>	en de de const		481111 988 711.			21275 L-7376 No. 9	- 141/01/2012 1980		
									$-\alpha$		77-11	
Formation Data Grou	ind Level 6	66 7 FT		Assun	ne KB 6	680	FT	Her	, De	elle	K,	
Formation Call && Casing Points	Depth (TVD in Ft	BHP (PSIG)	внт		WATER THE PROPERTY OF THE PROP			Remarks				
Surface Casing	200				re lost circulo rface.	ation is	possible.	9 5/8", 36 ppf, .	I-55, STC	casing.	Circulate cer	ment
OJAM	2255			Possi	ble water flow	vs						
KRLD	2405											
FRLD	2795			Possi	ble gas							
PCCF	3045											
LEWS	3245										***************************************	_
Intermediate Casing	3345			7", 20) ppf, J-55, ST	C Casir	ng. Circula	ate cement to su	rface.			
CHRA	3960											
CLFH	4755				possibly wet							_
MENF	4790			Gas								_
PTLK	5335			Gas								
MNCS	5635							+1-1-1-				-
GLLP	6520										<u> </u>	_
GRHN	7250				ossible, highl	ly fractu	red					
TWLS	7340			Gas								_
CBBO	7470			Gas								_
Total Depth	7600							irculate cement logs. Cased ho				
Logging Program :	4.	4 445 Aug	·	1.		t sy	Silinganisis	ore The Control Const	11.00		The State of the S	25 454
Intermediate Logs:	Log only if	show GR			/						anno Maddalla II I I I I I I I I I I I I I I I I	antinia de Ali
TD Logs:	Triple Com	nbo 🔲 Dipm	eter []RFT []Sonic []VS	SP 🗹 T	DT 🔲 Ot	her				
Additional Information:												
Comments:	1											

Printed On: 06/14/2002 2:11:38 PM



Well: San Juan 28-7 155F

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

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

Date: 14-Jun-02

Surface Casing:

		83 sx	Type III Cement + 2%bwoc Calcium Chloride + 0.25 lbs/sk Cello Flake + 59.2% H2(Ξ	144	JA 3
Slurry Weight	: 13.5	ppg				
Slurry Yield	1.73	cf/sk				
Amount of Mix Water	r 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				

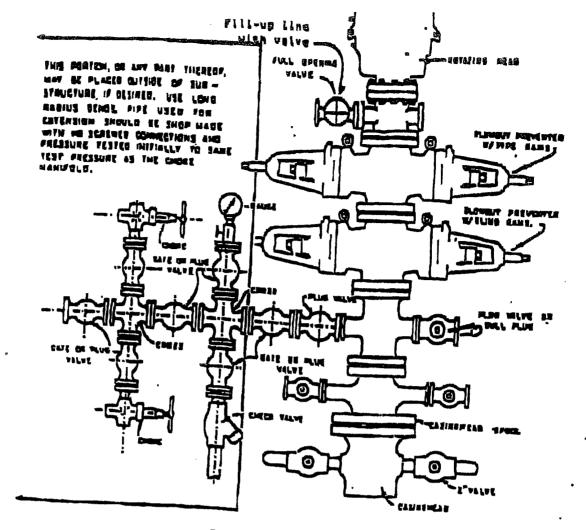
Intermediate Casing:

Casing:		- 0.12 C13
Slurry 1 423 sx	Premium Lite Cement + 2% bwoc Calcium Chloride + 0.25 lbs/sc Cello Flake + 8% bwoc Bentonite + 115.5% H20	=943 ft 3
Slurny 2 73 sy	Type III Cement + 2% hwoc Calcium Chloride + 0.25 lhs/sk Cello Flake + 59.2% H	21 - 103 Ca

Slur	ry 1		Slurry 2			-	
Slurry Weight:	12.1	ppg	Slurry Weight:	14.5	ppg	=	1056 ft 3
Slurry Yield	2.23	cf/sk	Slurry Yield	1.41	cf/sk	_	10000
Amount of Mix Water	12.05	gps	Amount of Mix Water	6.67	gps		
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	36 sx	Premium Lite High Strength + 0.25 lbs/sk Cello Flake + .2% bwoc CD-32 + 0.65% bwoc FL-62 + 105.4% H20	= 679 fq3
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 2000 pai aquipment, 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 Onshors Order No. 2 even though the equipment will test to J000 psi. The 2000 psi system allows deletion of the annular measurements deletion of the annular preventor and fulfills your requirements (note diagram No. 1). In addition, the following equipment will comprise the 2000 psi system:

- Two rams with one blind and one pipe ram. 2.
- Mill line (2 inch maximum). 3,
- One kill line valve.
- One choke line valve. 5,
- Two chokes (reference diagram No. 1). Upper kelly cock valve with handle. б.
- 7.
- Safety valve and subs to fit all drill strings in use. 8. Two-inch minimum choke line.
- 9,
- 10.
- Prassure gauge on choke manifold. 11.

Cathodic Protection System Description

Anade Bed Type	Deep Well	
Hole Size	8	
Hole Depth	200 200.	As required to place anodes below moisture and in low resistance strata.
Surface Casing	8" Diam., ≥ 20' Length. Gemented 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	8 - 20	Sufficient quantity to achieve a total anode bed resistance of <1 ohm and a design life ≥ 20 years.
Anode Bed Backfill	Lorasco SW Caleinad Patrolaum Coke Braeze	installed from bottom of hole to 10' above top
Anode Junction Box	8 - 20 Circuit Fiberglass Or Metal	Sealed to prevent insect & rodent intrusion.
Current Splitter Box	2 - 5 Circult Metal	Sealed to prevent insect & rodent intrusion.
DC / AC Cable	DG: #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 readway, & 35" depth in arroyo's and streams. EXCEPTION: it venching 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 foreign pipeline in conduit).
Power Source	1) Rectifler 2) Solar Power Unit 3) Thermoelectric Generator	Choice of power source depending on availability of AC & other economic factors.
External Painting	Color to be selected according to BLM apecifications.	Paint applied to any surface equipment associated with the CP system which can reasonably be painted.