OFFICIAL FILE COPY

30-025-31771

3160(067) NM-53994 CCC - 9-14-92

Re- 90/6/92

John 10/9/92 Johne 10/9/92

CERTIFIED--RETURN RECEIPT REQUESTED P 864 872 755

Conoco Incorporated Attention: Jerry W. Hoover 10 Desta Drive Suite 100 W Midland, TX 79705

RE: Rio Grande "25" Federal No. 1 NM-53994 400' FNL & 2190' FWL, Sec. 25, T20S, R33E Lea County, New Mexico

Dear Mr. Hoover:

I am pleased to approve your Application for Permit to Drill (APD) at the present location. Your copy of the APD, with attached stipulations, is enclosed.

OCT 20, 1992

If you need any additional information, please contact Tony Herrell at the Carlsbad Resource Area (505) 887-6544.

Sincerely,

Monte Jordan

Larry L. Woodard State Director

1 Enclosure 1 - Application for Permit to Drill (APD)

bcc: NM (910, L. Woodard) NM (920, R. Smith) NM (067, T. Herrell) NM (060, A. Lopez) NM (060, L. Cone)

067:JOlsen:nm:09/11/92:A:\riog251.AL

PECENED

och & 8 1992

SOD HOBSE DES

-

Form 3160—3 (July 1989) (formerly 9—33	IC)	UNITED PARTMENT OF BUREAU OF LAN	THE INTERIO	CONTACT RU OFFICE FOR OF COPIES (Other instri reverse R	LRED	30-025-3/77/ BLM ROSVELL DISTRICT Modified Form No. NHOGO-3160-2 5. LEASE DESIGNATION AND SERIAL NO.		
APPLIC			DRILL, DEEPEN,	OR PLUG	PACY	NM 53994	LLOTTER OF TRIBE NAME	
14. TYPE OF WO						-1		
D. TIPE OF WE		D	EEPEN	PLUG BA	CK 🗌	7. UNIT AGES	SMENT NAME	
2. NAME OF OPE	WELL	OTHER	SINGLE ZONE	ZONE		S. FARM OR LE	ASS-WANS	
Conoco, In				(915) 686-6	548	9. WELL NO.	Arederal 25-	
3. ADDRESS OF G						-1		
4. LOCATION OF	WELL (Report loca			POOL, OR WILDCAT				
AL BUILDEF		FNL & 2190' F				11. ##C. 7 #	Led Delaware	
At proposed	prod. sone Brus	hy Canyon				ARD BURYE	7 OR AREA [-20 5, R-33E	
14. DIRTANCE IN		TION FROM NEAREST TO	WN OR POST OFFICE"			1	PARISH 13. STATE	
15. DISTANCE FR						Lea	NM	
LOCATION TO	NEAREST LEASE LINE, FT. Arest drig. unit line		16. NO. OF A	CRES IN LEASE	17. NO. OF ACEES ASSIGNED TO THIS WELL 40			
15. DISTANCE PR	WELL, DRILLING, C	TIONS	19. PROPOSKI	DEPTH	20. ROTART OB CABLE TOOLS			
OR APPLIED PO	R. ON THIS LEASE, P Show whether DF. 1	τ.	9000	<i>i</i>	Rotary			
3657 GR	saow whether DF,]	KT. GR. etc.)					ATS WORK WILL START"	
23.		PROPOS				11/1/	·	
HOLE SIZE	CASING SIZE	WE IGHT/FOOT	GRADE	THREAD 1		The second s		
17-1/2"	13-3/8"	54.5 #	K-55	ST&C		1500 '	QUANTITY OF CENENT	
12-1/4"	8-5/8"	32 #	K-55	LT&C		52001	700 SXCIRCULA	
7-7/8"	5-1/2"	17 #	K-55	LT&C		9000'	580 sx(tieback	
1) Wel 2) Att 3) Pro 4) Sur 5) EXH 6) EXH 7) EXH 8) EXH 9) EXH 10) BOP 11) H2S This loca An affidav mail recent this APD of this APD of this	l Location achment to posed Well IBIT A - Neu IBIT B - Lou IBIT C.1 - 4 IBIT C.2 - 4 IBIT C.2 - 4 IBIT D - Rid Specificat Drilling Of tion is wit vit identif ipts of the when availa	s: and Acreage Dev Form 3160-3. Plan Outline. an W Mexico road cation plat. Acess road pla Power line pla g layout plat. Ions perations Plan hin the "known ying any potas ir notification ble. Michael S recorner: If proposal in per directionally, give	map. t. potash leasing h leasees with n of the applic Stogner & the h m to deepen or ping back perfinent data on subru	g area" as c 1 mile of f cation will VMOCD have a k give data on pre rface locations and	defined this lo be for also be armt produ	by NMOCD cation and warded for en furnish ettve some and pi and true vertical	Order R-111-P. certified attachment to ed copies. roposed sew productive depths. Give blowout	
(This space fo	r Februi or State		TITLE Sr. Cons	ervation Co	ordina	tor DATE 9	/2/92	
PERMIT NO.	<u> </u>		APPROVA	L DATK		<u> </u>		
APPROVAL SU	· · · · · ·		- TITLE	······		DATE!()-20-92	
SPECIAL STIPL			Instructions On Repersion knowingly and	verse Side willfutty to make	e to anv d	enstmont of a	renew of the	

RECEIVED UUT 2 8 1992 OCD HOBBS OFFICE

,

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

State of New Mexico

Ene. , Minerals and Natural Resources

Form C-102 Revised 1-1-89

OIL CONSERVATION DIVISION P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT I P.O. Box 1960, Hobbs, NM 66240

DISTRICT II P.O. Drawer DD, Artesia, NM 88210

WELL LOCATION AND ACREAGE DEDICATION PLAT

DISTRICT III WELL LOCA 1000 Rio Brazos Rd., Aztec, NM 87410 All Distar

All Distances must be from the outer boundaries of the section

Operator CONOCO INC.					Lease RIO GRANDE FEDERAL "25" Well No.					
Unit Letter										
C		25	20 SOUTH		33 EAST		County			
Actual Footage Loc	ation		20 300111		JJ [A31	NMPM		LEA		
400			ORTH line and	2190						
Ground Level Elev	t from	Producing Fo		2190		feet from	<u>n the</u> WES			
		_		esignated	Dolar		Dedicated Acreage:			
			Canyon	Und	esignaled	Delaw	are	40	Acres	
			o the subject well by colocated to the well, outline			-				
3. If more than	one]	ease of diffe	rent ownership is dedicat							
unitization, fo	orce-	No								
	• • • •	<u> </u>	If answer is "yes" ty							
this form necess	ary		nd tract descriptions wh							
No allowable wi	ill be	assigned to	o the well unit all inte	rests have been	consolidated	(by commu	nitization, u	nitization, forced	-pooling.	
otherwise) or u	ntil a	non-stands	rd unit, eliminating suc	ch interest, has	been approved	by the Divis	ton.			
					<u> </u>		OPERAT	TOR CERTIFIC	ATION	
		365	56.3'6 3656.1'		Ì					
	2190	· ·			1			eby certify the the win is true and com		
	2190							unviedge and bestef.		
		365	55.2' 3656.8'		1	ľ		- •		
							Signature	Mill		
		J			ł		bul	WHOO	11 - C	
					1		Printed Man	ne		
		11			ł	;	N Jerr	y W. Hoov	er	
_		- <u></u>			+		Position	/	<u> </u>	
		1			P		Sr. Come	ervation Coo		
1					l		Company	FV2110N COO	raincor	
		i			1			co Inc.		
		1			1		Date			
							9/2	192		
		l								
							SURVEY	OR CERTIFICA	TION	
1		İ					I hereby certi	ly that the well loca	ution shown	
							on this plat 1	oas plotted from fie 1 made by me er	id notes of	
		1						r made by me or nd that the some i		
							correct to t	he best of my kno	wiedge and	
							bolief.	-	-	
1				Í			Date Survey	/ed		
		1	[1				GUST 19, 1992	,	
L				l			Signature #		<u> </u>	
							Professiona			
		1						(1111)		
			ł				111.0	N LAND 24		
		1					St. St.	Contraction of the second		
							5			
		İ		1						
		1					_EIMAN	PIDAN	in 1	
1				1			Cartifichte	Ny John N. WI	T. 675	
	-						1 3. 15	A BOWLD & EIDE	DN. 3239	
0 330 660	990	1920 1850	1080 2210 0540	2000				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	NES. 7977	
- 000 000		1320 1030	1980 2310 2640	2000 1500	1000 50	0 0	1111	2-4-1413		

PROPOSED WELL PLAN OUTLINE

RIO GRANDE FEDERAL "25" NO. 1 WELL NAME SECTION 25, T-20S, R-33E LOCATION TVD FORMATION TYPE OF CASING FORMATION IN TOPS & MUD DRILLING FORMATION HOLE FRAC PRESSURE 1000' MD TYPE WEIGHT & PROBLEMS EVALUATION SIZE SIZE DEPTH GRAD GRADIENT TYPE DAYS 0 17-1/2* 1 **Red Bed Problems** 8.4 Native Mud 2 1 13-3/8', 54.5#@1500' W/700 SX Top Rustler 2 Severe Salt Water Flow Possible H2S possible w/ waterflow 3 Bottom of Salt 10# Brine Top Yates 12-1/4 4 Lost Circulation into Capitain Reef Possible if Reef development is good Logging: 5200'-1500' GR/CNL-LDT GR/DLL-MSFL 5 11 BHC-SONIC 8-5/8", 32#@ 5200" W/ 1200 SX Top Delaware CI required (120,000 ppm) due to swelling clays 12 & 13 6 Cut Brine Top Brushy Canyon 7-7/8* 7 Salt Gel / Starch Logging: 9000'- 5200' 8 GR/ CNL-LDT GR/DLL-MSFL GR/BHC SONIC SIDEWALL CORES Top Bonespring 19 Proposed TD 9000" 9 DIPMETER 5-1/2", 17#, K-55, LTAC @ 9000' W/ 580 SX 20 & 21 10 11 12 13 14 15 16

BOP SPECIFICATIONS





.

nepenyed UCTZ 01992 Geo nosies ofnica

a and a second at the second second second second second second second second second second second second second