IN REPLY REFER TO



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Box 1397, Roswell, New Mexico - 88201

NH-19199 PD 3160 (065)

RECEIVED BY	
FEB 24 1986	
O. C. D.	
ARTESIA, OFFICE	

FEB 2 1 1986

Pogo Producing Company P. 0. Box 10340 Midland, TA 79702

Dear Sir:

Your application for Permit to Drill Cal-Hon Mo. 4 in the NEWSWY, section 35, T. 23 S., R. 31 E., Eddy Coanty, New Mexico, lease NM-19199, to a depth of 6,400 feet to test the Cherry Canyon formation in the oil-potash area, is hereby approved as amended by stipulations attached to the application.

One copy of the application is returned herewith. Please notify the Bureau of Land Management office checked on the attached special stipulation, in sufficient time for a representative to witness all comenting operations.

Sincerely,

Orig. Sgd. Francis R. Cherry, Jr.

District Hanager

Enclosure

ce: LANOCD - Artesis (2)

RECEIVED BY	Vial Marine Street
FEE 24 1986	
C. C. D. Artesia, office	

Prim 5-381 C (May 1987) NM OIL COUS Drawer DD Artesia, M	DEPARTMEN	TED STATES T OF THE I DGICAL SURVI	NTE	2870	TRIPLECA?	Budget Bureau No. 42-R1425. C/SF 5. LRASS DEBIGNATION AND SERIAL NO. NM 19199
APPLICATIO	N FOR PERMIT	TO DRILL, I	DEEP	EN, OR PLU	G BACK	6. IF INDIAN, ALLOTTER OR TRIBE NAME
18. TTPE OF WORK		DEEPEN [PLUG		7. WHIT AGENEMENT NAME
						A. PARM OR LEADS HAND
2. NAME OF OPERATOR	WELL JOTHER		1	KONE LAU BO		Cal-Mon
Pogo Produc	ing Company 🖌			RECEIVED		9. WELL RO.
P.O. Box 10	340 Midland		1			10. FIBLD AND POOL, OR WILDCAT
	Report location clearly and 2180' FNE FW		h shy	O. C. D.	· · · · · · · · · · · · · · · · · · ·	Sand Dunes- Complete Converse
At proposed prod. so: 2310' FSI &	12180' FNL FU	N		ARTESIA, OFFI		Sec. 35, T-23-S, R-31-E
14. DISTANCE IN MILES	AND DIRECTION FROM NE.	LEST TOWN OF POS	07710			12. COUNTY OR PARISH 18. STATE
35 miles we	st of Jal, New	Mexico	16 N	O. OF ACRES IN LEAS	E 17 KO	Eddy New Mexico
LOCATION TO NEARES PROPERTY OF LEASE 1 (Also to nearest dr)	T LINE, FT.	2180'	_U. A	640	TO	THIS WELL
18. DISTANCE FROM PROF TO NEAREST WELL, D	POSED LOCATION®		19. P	ROPOSED DEPTH		TABY OR CABLE TOOLS
OS APPLIED FOR, ON TH 21. ELEVATIONS (Show wh	IIS LEASE, FT.	990'		6400'	R	1 22. APPROX. DATE WORK WILL START*
3493.5' GR	euler Dr. RI, GA, ec.)				ť.	February 20, -1986
23.		PROPOSED CASIN	G AN	D CEMENTING PRO	OGRAM	
BIZE OF HOLE	BIZE OF CASING	WEIGHT PER FO	TOT	SETTING DEPTH		QUANTITY OF CEMENT
# 12/4	12/4 8 5/8 24			<u></u>		SXS CIRCULATE
77/8/	5 1/2	14 & 15.5		6400 '		0 SXS CIRCULATE
will be run to	evaluate all z circulated to	ones below	the	Delaware for	mation.	ion. Adequate logs
Completion or a regulatory requ		l be perfor	ned	in accordanc	e with p	rudent practices and Postal Apr
30P Program: ·	from 820' to 64	00' 3000# W	P			NL,IDI
Gas well gas is					<i>r</i>	
	drill or deepen directions					ndustive sone and proposed new productive red and true vertical depths. Give blowout
4. BIGNED	/ latt	TITI	E	Petroleum En	gineer	DATE 2/3/86
(This space for Feder	ral or State office use)				:	
PERMIT NO.				APPBOVAL DATE		
ADDDAVEN DV			F			DATE
APPROVED BY CONDITIONS OF APPROV.	AL, IF ANY :	TITI			-	APPROVAL SUBJECT TO GENERAL REQUIREMENTS AND
		*See Instruc	tions	On Reverse Side		SPECIAL STIPULATIONS

-

7.

ATTACHED

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT RECEIVED

Ń

۱.

Porm C-102 Supercedes C-128 Effective 14-65

perstor				the outer boundary	L-MON		Well No. 4
	GO PRODUCING	Township		Range	County		
nit Letter K	Section 35	23 SO	UTH	31 EAST		EMERIAND	
ctual Footage La			······	2180	I	WEST	141
2310 round Level Elev		SOUTH	line and Po	2100	feet from the	and the second	line" icated Acreage;
3493.5'		/ Canyon	l.	not Sand V.	uner-flor	1 barryor	40 Acres
1. Outline t	the acreage dedic	ated to the s	ubject well	by colored pen	cil or hachur	e marks on the pl	at below.
				RECE	IVED BY	- T	
2. If more	than one lease i and royalty).	s dedicated t	o the well, o			ownersnip mere	of (both as to working
					24 1986		R 1 .
3. If more th	han one lease of	different own	ership is dec			interests of all	owners been consoli
dated by	communitization,				A, OFFICE		
🔲 Yes	No If	answer is "ye	s ;" type of c	onsolidation			<u></u>
16	in the state the	e owners and	tract deacrit	tions which has	ve actually b	een consolidated	. (Use reverse side a
	if necessary.)	; Uwners and					
No allow	able will be assig	jned to the we	ll until all ir	nterests have be	en consolide	ated (by commun	itization, unitization
forced-po	oling, or otherwis	e) or until a no	on-standard u	unit, eliminating	5 such interes	sta, has been app	proved by the Commis
sion.						- 1	
	1			1	•	CE	RTIFICATION
				Ì		I hamby castil	ly that the information con
	1			1			is true and complete to th
	i i			•		best of my kne	wledge and belief.
	I			I	•	Im	lattal
	l			 		Name	
	+	T				David Bea	thard
	, I			ľ		Petroleum	Engineer
	l l			ļ		Company	
	4			1		Pogo Prod	ucing Company
				1		1/27/86	
				l 			
	- 2180'			1			ify that the well location plat was plotted from field
	K					1 (al surveys made by me
	E E				¥,		ervision, and that the son
				and the second		is true and a knowledge and	correct to the best of m the lief
	_ <u>Curr</u>	11/11			<u></u>		
		2310	A A	6710 - 57			
-	1	6		, I .o/	IS I	Date Surveyed	Y 24,1986
	ł		have by	E MELLA	//		
	l l		- 6, 200 C. - 40 A. - 40 A. - 10 A.	CHAN W. WHER	/	and/or Land Sur	essional Engineer veyor
	1						1.111 4.
				i			Whit
						Outilicete No.	JOHN W. WEST, 6 Ronald J. Eidson, 32

APPLICATION FOR DRILLING POGO PRODUCING COMPANY CAL-MON NO. 4 EDDY COUNTY, NEW MEXICO

In conjunction with permitting the captioned well for drilling in Section 35, T-23-S, R-31-E, Eddy County, New Mexico, Pogo Producing Company submits the following in accordance with U.S.G.S. (NTL-6) letter dated July 1, 1976:

1. The surface formation is Quarternary sand and gravel.

2. Estimated tops of geologic markers as follows:

Rustler Anhydrite and Dolomite	
Bell Canyon Sandstone Cherry Canyon Sandstone	4475'
Total Depth	-6400'

3. The depths at which oil, gas, or water are expected are 4875' & 5292'.

4. Casing program and cement:

8 5/8" 24# K-55 ST&C @ 820' w/453 sxs Cl C + .6% CF-1 circulate cement

5 1/2" 14# & 15.5# K-55 ST&C @ 6400' w/DV tool @ 4100' 1st stage - 453 sxs Cl C + .6% CF-1 2nd stage - 650 sxs Pacesetter Lite C + 3# Hi-seal/sxs + 5# salt/sxs. Circulate cement 100 sxs Cl C. Circulate cement.

5. Circulating Medium:

An earthen pit will be used to hold drilling fluids and cuttings. The drilling mud program is as follows:

> Spud mud to 820' Cut Brine to 6400'

6. If warranted, drill stem tests will be carried out in the Cherry Canyon.

- 7. Ten foot samples of cuttings will be caught from the base of the surface pipe (820') to total depth.
- 8. Adequate electrical and resistivity logs will be run from total depth to the base of the surface casing at 820'. The gamma ray will be run to the surface.
- 9. Loss circulation zones are possible from the surface to 6400'.
- 10. Blow Out Preventors:

Surface to 820' 820' to 6400' - 3000# WP A typical BOP sketch is attached

11. The anticipated starting date is February 20, 1986 with the completion expected by March 31, 1986.



Pogo Producing Company 2310' FSL & 2180' FWL Sec. 35, T-23-S, R-31-E County, New Mexico

Eddy