32	DEPARTME	EFF. D	_	1/2 14	12		Expires: February 28	
	BUREAU	سا د ا د سه		DOE-	3711	 ! ,	NM-42814	
	ICATION FOR		J		210.		6. IF INDIAN, ALLOTTER OR T.	BIBE NA
1a. TYPE OF WORK . DI b. TYPE OF WELL	RILL 🖾	DEEPE	N 🗌				7. UNIT AGREEMENT NAME	
OIL WELL X	GAS WELL OTHER				MULTIPI Zone		8. FARM OR LEASE NAME, WELL NO	
2. NAME OF OPERATOR Pogo Producin			(Ricl	nard Wrigh	t)		Federal "31" Wel 9. API WELL NO.	.1 No
3. ADDRESS AND TELEPHONENC P.O. Box 1034	0 Midland, Te	xas 79702	915-0	682-6822			10 STATE AND POOL STAT	Sch.
4. LOCATION OF WELL (. At surface						*."		lawa
LODU At proposed prod. za	' FNL & 2180'	FEL OI Sec	-		R32E		11. SEC., T., R., M., OR BLK. And Survey or Area	
14. DISTANCE IN MILES	same	FAREST TOWN OR		Unit C	• • • • • • • • • • • • • • • • • • •			2E BTATE
Approximately	30 miles East		oad New	Mexico			Lea	NM
 DISTANCE FROM PROF LOCATION TO NEARES PROPERTY OR LEASE (Also to nearest dr.) 	т	460'	16. NO). of acees in 1 320	EASE		DF ACRES ASSIGNED HIS WELL 40	
15. DISTANCE FROM PRO	POSED LOCATION® DRILLING, COMPLETED,		19. 19	OPOSED DEPTH		_	RY OR CABLE TOOLS	
21. ELEVATIONS (Show w)		1320'		8800'		ROT	22. APPROL DATE WORK WI	LL STA
	3659	.6 Ground	Level	·····			As soon as approv	ved
233.		PROPOSED C	ASING ANI	CEMENTING P	FOGRAM		R-111-P Potash	
SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT P	ER FOOT	BETTING DEL		700 0	QUANTITY OF CEMENT	
17½" 12½"	<u>J-55 8 5/8"</u>			45001		700 Sx 1400 S		
7 7/8"	$\frac{3-55}{3-55}$, N-80 $5\frac{1}{2}$			8800'		1300 S		
							· · ·	
with 500 S	x. Light tail	in with 20	0Sx. C3	ass "C".	Circul	ate ce	# ST&C casing. Cen ment to surface.	
32# middle		op 1000' 3	82# casi	ing. Cemen	t with	1200	asing, bottom 2300 Sx. of Light cemer	
LT&C, midd Class "H"	le 5000' 15.5#	J-55 LT&C 00 Sx. Cla	C, top] Iss "C".	.000' 17# .	J-55 L	т&С. С	ottom 2800' 17# N- Cement with 600 Sx. at least 4300'	
							nd stimulated as	
necessary.	See attached :	for: Supp Surf	lementa ace Use	1 Drilling and Opera	g Data ations	, BOP Plan.	Sketches,	
ABOVE SPACE DESCRIB epen directionally, give perti		If proposal is to deep	on, give data	on present producti	v: zone and	i proposed i	new productive zone. If proposal i f any.	s to dril
SIGNED COL	+ James	.a	TITLE	igent			DATE 09/06/95	
	ral op State office use)		•				APPROVAL SUBJECT T	0
PERMIT NO.				APPROVAL DATE			GENERAL REQUIREMEN	
• • • • • • • • • • • • • • • • • • •		mlimnt holds legal o		e to those mobile in the	• • ubject leas	e which wou	AND SPECIAL PRISTIPULATION	S trations t

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



(November 1983) (formerly 9-331C)				side)			
	BUREAU OF LAND MANAGEMENT			5. LEASE DESIGNATION AND BEBIAL NO.			
A DDI ICATIO	NM-42814						
IH. TIPL OF WORK		TO DRILL, DEE	PEN, OR PLUG	BACK	6. IF INDIAN, ALLOTTEE OR TRIBE NAME		
b. TIPE OF WELL		DEEPEN 🗌	PLUG BA		7. UNIT AGREEMENT NAME		
Y!	VELL OTHER		SINGLE MULTI ZONE ZONE	PLE	8. FARM OR LEASE NAME		
Pogo Produ 3. Address of Operator	ucing Company				Federal 31		
					5		
P.0. Box 1	0340, Midland, Tex	as 79702			10. FIELD AND POOL, OR WILDCAT		
4. LOCATION OF WELL (R At surjace	eport location clearly an	d in accordance with any	State requirements.*)		Undesignated Lost Tank Delawar		
1650' At proposed prod. zom	FNL & 2180' FEL of 。 Same	Sec. 31, T-21S, R	- 32E		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA		
14 DICT YOT IN AND					Section 31, T-21S, R-32E		
On miles	AND DIRECTION FROM NEA	REST TOWN OR POST OFFI	CZ.		12. COUNTY OF PARISH 13. BTATE		
JU HITLES E	ast of Carlsbad, Ne				Lea N.M.		
LOCATION TO NEABEST PROPERTY OR LEASE L {Also to Dearest drig	LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig, unit line, if any)				OF ACRES ASSIGNED THIS WELL 40		
OR APPLIED FOR, ON THE	STANCE FROM FROPOSED LOCATION [®] NEAREST WELL, DRILLING, COMPLETED, APPLIED FOR, ON THIS LEASE, FT. 1320		PROPOSED DEPTH 20. ROT. 8700		BY OB CABLE TOOLS ROTARY		
21. ELEVATIONS (Show when	ther DF, RT, GR, etc.)				22. APPROL DATE WORK WILL START*		
	round Level			Besin	Upon Approval of Application		
23.		PROPOSED CASING AN	D CEMENTING PROGRAM	,	3-12122 2 Cosh		
SIZE OF BOLL	BIZE OF CABING	WEIGHT PER FOOT		a 			
17 <u>1</u>	13 3/8"	.54.5#	SETTING DEPT I		QUANTITY OF CEMENT		
121	8 5/8"	<u>.04.5#</u> 32#	850		Sufficient to Circulate		
7 7/8	5 1/2"	<u>52</u> 15.5# & 17#	<u> </u>		Sufficient to Circulate		
			0,00		1200 sx - 588 Stips.		
	After setting p and stimulated	production casing,	pay zone will be p	erforate	OF LAND MAYAGA		
After setting production casing, pay and stimulated as necessary. See attached for: Supplemental Dril				URE.	RECEIVED		
		BOP Sketches	uri i ing uata				
Surface Use and Operations Plan				JUL 13 1993			
		_			DIST. 6 N.M. O		
Appropriet Galejoet to General Conjunctions and				DIST. 6 N.M			
		Succession (noticitation) Allinging (DO .				
reventer program, if any.	ROPOSED PROGRAM : If pro 11 or deepen directionally	pposal is to deepen or pl , give pertinent data on	ug back, give data on prei subsurface locations and	ent produc measured a	tive sone and proposed new productive and true vertical depths. Give blowout		
Aura	The Mille	,]			1 05		
BIGNEDOUTES M.C.	Ritchie, Jr.		Agent		June 25, 1993		
(This space for Federal	or State office use)						
PERMIT NO.			PPROVAL DATE				

*See Instructions On Reverse Side

TITLE Acting State Director

DATE 8-11-13

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

APPROVED BY

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CONDITIONS OF APPROVAL, IF ANY :



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District Office State Lease - 4 copies Fee Lease - 3 copies

•

Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504--2088

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

DISTRICT I P.O. Box 1980, Hobbs, NM 88240

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator	POGO PRODUCING CO.		Lease	Lease FEDERAL "31"		Well No. 5	
	· · · · · · · · · · · · · · · · · · ·						ر
Unit Letter	Section	Township	Range			County	
G Actual Footage L	31	21 SCUTH		32 EAST	NMPM	I	LEA
4.050		RTH line and	2180			the EAS	-
Ground Level El		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Pool STE	1.5.0	feet from	$\frac{1}{D} \cdot \frac{1}{D}$	line Dedicated Acreage:
3659.6	1 -	v. Producing Formation		instad loot	Stor Inde Dali	rioge	40
		the subject well by color	-			DWAKE	40 Acres
	-	ated to the well, outline	-		-	as to workin	g interest and royalty).
	n one lease of differ force-pooling, etc.?		d to the well, have t	he interest o	f all owners	been consol	idated by communitization,
Yes	∏ No	If answer is "yes" ty;	e of consolidation				
If answer is "r	no" list of owners a	nd tract descriptions which	h have actually been	n consolidate	d. (Use reve	rse side of	
this form neces	ssary.						
	-				-		itization, forced-pooling,
oulerwise) or	unci a non-standa	rd unit, eliminating such	i interest, nas been	approved by			
1438	3.8'					OPERAT	OR CERTIFICATION
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	1						in is true and complete to the
	ł					An	nuledge and belief.
	i						M.C. Ritchie, Jr.
	i					Jaies	M.C. KIUME, UL.
						Printed Nam Agent	e
	— — + — I	3657.7	3664.8			Position Pogo I	Producing Company
	1		21	80'	► ¬	Company	
	ł					June 2	25, 1993
	1	3654.6' 1	3662.6'			Date	
	1		1				
	i		1			SURVEY	DR CERTIFICATION
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			l		1 1	-	d that the same is true and
					1 1		e best of my knowledge and
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	l		1			Date Survey	(
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1444.	<u> </u>		l				GEPONALALLAEDOON 3239
					—— <u> </u>		JONES 7977
0 330 660	990 1320 1650	1980 2310 2640	2000 1500 10	000 500	0	9	3-11-0851





Rustler Anhydrite	800'
Delaware Lime	4600'
Cherry Canyon	5600'
Brushy Canyon	7300'

3. ANTICIPATED POSSIBLE HYDROCARBON BEARING ZONE:

Delaware

Oil

4. PROPOSED CASING AND CEMENTING PROGRAM:

	SETTI	NG DEPTH			
CASING SIZE	<u>FROM</u>	<u>TO</u>	<u>WEIGHT</u>	GRADE	JOINT
13 3/8"	0	850'	54.5#	J-55	STC
8 5/8"	0	1000'	32#	J-55	STC
u	1000'	2200'	24#	J-55	STC
14	2200'	4500'	32#	J-55	STC
5 1/2"	0	1000	17#	J-55	LTC
	1000	6000'	15.5#	J-55	LTC
ų .	6000'	8800'	17#	N-80	LTC

MINIMUM DESIGN FACTORS: Collapse 1.125 Burst 1.1 Tension 1.7

13 3/8" casing is to be set at approximately 850' in 17-1/2" hole. Casing to be cemented with 500 sacks of Light cement tailed in with 200 sacks of Class "C". Cement to circulate.

8 5/8" casing is to be set at approximately 4500' in 11" hole. Casing is to be cemented with 1200 sacks of Light cement tailed in with 200 sacks of Class "C". Cement to circulate.

5 1/2" casing is to be set at 8800' in 7 7/8" hole. Casing is to be cemented with 600 sacks of Class "H" cement tailed in with 700 sx Class "C". Cement to tie back to 3 5/8" casing.

5. PRESSURE CONTROL EQUIPMENT;

Blowout prevention equipment, while drilling the **12**/nole, will be either a 3000 psi working pressure double ram type preventer or a 3000 psi working pressure annular type preventer.



6. CIRCULATING MEDIUM:

Surface to 850 feet:	Fresh water spud mud. Viscosity 30 to 36 as required for hole cleaning.
850 feet to 4500 feet:	Brine conditioned as necessary for control of viscosity. Weight 9.8 to 10.0. PH 9 to 10. Viscosity 32 to 36.
<u>4500 feet to T.D.</u> :	Water based drilling fluid conditioned as necessary for control of weight, viscosity, ph and water-loss. Weight 9 to 19, Viscoty 38 - 45, ph 9-10. Filtrate while drilling pay zone 6-15.

SJS

7. AUXILIARY EQUIPMENT:

A muclogging trailer will be used while drilling below Intermediate casing.

8. TESTING, LOGGING, AND CORING PROGRAMS:

Drill Stem tests will be made when well data indicate a test is war anted.

It is planned that electric logs will include GR-CNL- Density logs ans GR-DLL logs.

No coring is planned.

9. ABNORMAL PRESSURES, TEMPERTURES, OR HYDROGEN SULFIFE GAS:

None anticipated. Expected bottom hole pressure is approximately 3700 psi. Expected bottom hole temperture is approximately 130 degrees Fahr

10. ANTICIPATED STARTING DATE:

It is planned that operations will commence upon approval of this application, with drilling and completion operations lasting about 30 days.





