Form 3160-3 (November 1983) (formerly 9-331C)	DEPARTM BUREA	INITED STATES	NTERK GEMENT	on DR	AIT IN TRI her instructi reverse sid	ions on e)	30-025-31729 Form approved. Budget Bureau No. 1004-0136 Expires August 31, 1985 5. LEASE DESIGNATION AND SERIAL NO. NM-32411 6. IF INDIAN, ALLOTTER OR TRIBE NAME				
APPLICATI	ON FOR PERM	III IO DRILL,	DEEFLI		LUG D/						
	DRILL 🛛	DEEPEN		PL	UG BAC	К 🔲 💡	7. UNIT AGREEMENT NAME				
b. TYPE OF WELL OIL	GAB T		SING		NULTIPL	• [_] .	S. FARM OR LEASE NAME				
2. NAME OF OPERATOR	WELL OTH		ZONE		ZONE		(LR 18) FEDERAL				
	POGO	-PRODUCING COM	IPANY	19	891 -		9. WELL NO.				
3. ADDRESS OF OPERA		•					1 9.35				
	P.0.	BOX 10340, M	IDLAND	, TEXAS	79702		10. FIELD AND POOL, OR WILDCAT UNDES.				
4. LOCATION OF WELL At surface	(Report location clear	ly and in accordance wi	th any Stat	e requirem	ents.")		E. LIVINGSTON RIDGE DELAWARE				
		FNL AND 990'	FEL OF	SECTI	DN 18		AND SURVEY OR AREA				
At proposed prod.	sone						SEC.18, T.22 S., R.32 E.				
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 12. COUNTY OF PARISH 13. STATE											
	31 M	ILES EAST OF C		-			LEA COUNTY NEW MEXICO				
10. DISTANCE FROM PROPOSED* LOCATION TO NEAREST 16. NO. OF ACRES IN LEASE 17. NO. OF ACRES ASSIGNED TO THIS WELL											
	drig. unit line, if any)	660'		703.5			40				
18. DISTANCE FROM PROFOSED LOCATION [®] To nearest Well, drilling, completed,			19. PROPOSED DEPTH 8650'				20. BOTARY OR CABLE TOOLS				
OR APPLIED FOR, OF	whether DF, RT, GR,					<u> </u>	ROTARY 22. APPECI. DATE WORK WILL START*				
21. ELEVATIONS (SHOW	whether Dr. KI, GA,	3712.1	GR			ан (т. 1977) 1977 - Ал	UPON APPROVAL				
23.		PROPOSED CAS		FMENTIN	PROGRAM	(i nut	shed Controlled Water Besin				
······				SETTING		- <u>(</u> , , , , , , , , , , , , , , , , , , ,	QUANTITY OF CEMENT				
BIZE OF HOLE	812E OF CASIN	·······			50'	SUFF	ICIENT TO CIRCULATE				
17-172	8-5/8				50'		ICIENT TO CIRCULATE				
7-7/8"	5-1/2				50'		SACKS - TO TIE BACK				
, ,,0			- "								
		NG PRODUCTION TED AS NECESSA		, PAY Z	ONE WIL	L BE P	PERFORATED				
	SEE ATTACHED FOR: SUPPLEMENTAL DRILLING DATA BOP SKETCH SURFACE USE AND OPERATIONS PLAN										

24. BIGNED Richard & hugh	Division Operations Supr.	August 25, 1992
(This space for Federal or State office use)		
PERNIT NO.	APPROVAL DATE	
APPROVED BY Rin Duritor	TITLE	DATE 61-61.92
CONDELTO NO GAL PROBATE OT A TO:		
GENERAL REQUIREMENTS AND		
SPECIAL STIPULATIONS	*See Instructions On Reverse Side	

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

DISTRICT III

State of New Mexico 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

WELL LOCATION AND ACREAGE DEDICATION PLAT

1000 Rio Brazos Rd., Aztec, NM 87410 All Distances must be

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All Distances must be from the outer boundaries of the section

Operator	PO	GO F	PRODUC	ING CO.		L	ease	(LR	"18") F	EDERAL	/		Well No.	1
											Coun	+		
Unit Letter	Sect		_	Township		R	ange	70	FACT			it.y		
<u>A</u>	1	18		22	SOUTH			32	EAST	NMPM	<u> </u>		LEA	
Actual Footage Loc	cation	of W											-	
660 fee	t fron	the	NOF		and		990			feet from	the	EAS		
Ground Level Elev	₹.	Produ	ucing For			F	'001 UN	DESIG	NATED)			Dedicated Acr	eage:
3712.1'				DELAWA	RE		EAST L	IVING	STON	RIDGE D	ELAWA	RE	40	Acres
1. Outline the a		dedi	cated to	the miliect	well hy col	ored pen	· · · · · · · · · · · · · · · · · · ·							
1. Outline the a	u cage	. ucui				···· •				•				
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).														
3. If more than				ent ownershi	ip is dedica	ated to t	he well, h	ave the :	interest	of all owner	s been	consol	idated by com	munitization,
unitization, f	lorce-		-											
Yes Yes			No		ів усв									
If answer is "no	o" list	of o	wners an	d tract desc	criptions w	hich hav	e actually	been co	onsolidat	ed. (Use ret	erse si	le of		
this form necess	sary.									()			itization for	and-pooling
No allowable w otherwise) or u	rill be until e	e assi a non	igned to -standar	the well u d unit, elin	nit all in ninating s	uch inte	rest, has	been ap	proved	by the Divis	ion.	<u>on, u</u>		
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SUPPLEMENTAL DRILLING DATA

POGO PRODUCING COMPANY

LR 18 FEDERAL WELL NO. 1

1. SURFACE FORMATION: Quaternary.

2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

Rustler	800'
Delaware	4600'
Bell Canyon	4650'
Cherry Canyon	5600'
Brushy Canyon	7300'

3. ANTICIPATED POSSIBLE HYDROCARBON BEARING ZONES:

Brushy Canyon 0il

4. PROPOSED CASING AND CEMENTING PROGRAM:

13-3/8" 54.5# K-55 ST&C casing is to be set at approximately 850 feet in 17-1/2" hole. Casing to be cemented with 500 sacks of Light cement tailed in with 200 sacks of Class "C" with 2% CaCl. Cement to circulate.

8-5/8" 24#, 28#, and 32# K-55 and N-80 ST&C casing is to be set at approximately 4550 feet 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" 15.5# and 17# K-55 and N-80 LT&C casing is to be set at 8650 feet in 7-7/8" hole. Casing is to be cemented with 900 sacks of Class "H" cement. Cement to tie back to 3550 feet.

5. PRESSURE CONTROL EQUIPMENT:

Blowout prevention equipment, while drilling the 11" hole, will be either a 3000 psi working pressure double ram type preventer or a 3000 psi working pressure annular type preventer.

Blow out prevention equipment, while drilling below the 8-5/8" casing seat, will be a 3000 psi working pressure BOP stack. A BOP sketch is attached.

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BOP STACK



BOP ARRANGEMENT



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