

APPLICATION TO DRILL

POGO PRODUCING COMPANY

WBR FEDERAL # 5

UNIT "N" SECTION 13

T22S-R32E LEA CO. NM

In response to questions asked under Section II B of Bulletin NTL-6 the following information is provided for your consideration:

1. Location: 660' FSL & 2310' FWL SEC. 13 T22S-R32E LEA CO. NM.
2. Elevation above sea level: 3699'. GR.
3. Geologic name of surface formation: Quaternary Aeolian Deposits.
4. Drilling tools and associated equipment: Conventional rotary drilling rig using fluid as a circulating medium for solids removal.
5. Proposed drilling depth: 15,400'
6. Estimated tops of geological markers:

Rustler Anhydrite	725'	Strawn	13,590'
Delaware	48±5'	Atoka Clastics	14,300'
Brushy canyon	7100'	Morrow Clastics	14,590'
Wolfcamp	12,090'	Lower Morrow	15,263'
7. Possible mineral bearing formation:

Delaware	Oil	Strawn	Gas
Brushy Canyon	Oil	Morrow Clastics	Gas
Wolfcamp	Gas	Lower Morrow	Gas
8. Casing program:

Hole size	Interval	Casing OD	Weight	Thread	Collar	Grade
25"	0-40	20"	NA	NA	NA	Conductor
17½"	0-750'	13 3/8"	48#	8-R	ST&C	H-40
12¼"	0-4700'	9 5/8"	40.5#	8-R	ST&C	N-80
8½"	0-12,200'	7"	29#	8-R	LT&C	N-80 P-110
6 1/8"	12,000-15,400'	5"	18#	8-R	LT&C	S-95