

APPLICATION TO DRILL

POGO PRODUCING COMPANY
PATTON "18" FEDERAL # 1
UNIT "B" SECTION 18
T24S-R31E EDDY CO. NM

In response to questions asked under Section II of Bulletin NTL-6 the following information on the above well is provided for your consideration.

1. Location: 1280' FNL & 1340' FEL SEC. 18 T24S-R31E EDDY CO. NM
2. Elevation above Sea Level: 3531' GR.
3. Geologic name of surface formation: Quaternary Aeolian Deposits.
4. Drilling tools and associated equipment: Conventional rotary drilling rig using drilling mud as a circulating medium for solids removal from hole.
5. Proposed drilling depth: 13,900'
6. Estimated tops of geological markers:

Rustler Anhydrite	800'	Cherry Canyon	5184'
Basal Anhydrite	3960'	Brushy Canyon	7883'
Delaware Lime	4274	Bone Spring	8140'
Bell Canyon	4299'	Wolfcamp	11,475'
7. Possible mineral bearing formations:

Bone Spring	Oil
Wolfcamp	Gas
8. Casing program:

Hole size	Interval	OD of casing	Weight	Thread	Collar	Grade
25"	0-40'	20"	NA	NA	NA	Conductor
17½"	0-850'	13 3/8"	48	8-R	ST&C	H-40
11"	0-4250'	8 5/8"	32	8-R	ST&C	J-55
7 7/8"	0-12,500'	5½"	17	8-R	LT&C	P-110
4 3/4"	0-13,900'	2 7/8"	7.9	8-R	EUE	L-80