

APPLICATION TO DRILL

KUKUI OPERATING COMPANY
 HIGHLANDS "14" FEDERAL # 1
 UNIT "F" SECTION 14
 T19S-R21E 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: 1980' FNL & 1980' FWL SEC. 14 T19S-R21E EDDY CO. NM
2. Elevation above Sea Level: 4244' 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: 7950'
6. Estimated tops of geological markers:

San Andres	1340'	Strawn	6855'
Tubb	2710'	Atoka Clastics	7020'
Wolfcamp	4365'	Morrow Clastics	7365'
Cisco	5845	Barnett Shale	7550'
Canyon	6255'	Chester	7615'
7. Possible mineral bearing formations:

Morrow Clastics	Gas
Chester Lime	Gas
8. Casing program:

Hole size	Interval	OD of casing	Weight	Thread	Collar	Grade
25"	0-40	20"	NA	NA	NA	Conductor
12 $\frac{1}{4}$ "	0-1360'	9 5/8"	36	8-R	ST&C	J-55
8 3/4"	0-7950'	5 $\frac{1}{2}$ "	17	8-R	LT&C	J-55