

APPLICATION TO DRILL

ARCH PETROLEUM, INC.
C. E. LAMUNYON # 78
UNIT "D" SECTION 28
T23S-R37E LEA 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: 990' FNL & 430' FWL SEC. 28 T23S-R37E LEA CO. NM
2. Elevation above Sea Level: 3306' 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: 3650'
6. Estimated tops of geological markers:

Santa Rosa	250'	Queen	3368'
Rustler Anhydrite	1050'	Penrose	3478'
Yates	2627'	Grayburg	3644'
7 Rivers	2912'		
7. Possible mineral bearing formations:

7 Rivers	Oil	Grayburg	Oil
Penrose	Oil	Queen	Oil
8. Casing program:

Hole size	Interval	OD of casing	Weight	Thread	Collar	Grade
25"	0-40	20"	NA	NA	NA	Conductor
12 $\frac{1}{4}$ "	0-1100'	8 5/8"	32	8-R	ST&C	J-55
7 7/8"	0-3650'	5 $\frac{1}{2}$ "	15.5	8-R	ST&C	J-55