

APPLICATION TO DRILL

ARCH PETROLEUM, INC.
 C.E. LaMUNYON # 79 INJ.
 UNIT "H" SECTION 21
 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: 1700' FNL & 10' FEL SEC. 21 T23S-R37E LEA CO. NM
2. Elevation above Sea Level: 3294' 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: 5350'
6. Estimated tops of geological markers:

Santa Rosa	335'	Penrose	3376'
Rustler Anhydrite	1033'	San Andres	3806'
Base of Salt	2365'	Glorieta	4950'
Yates	2535'	Blinberry	5290'
7. Possible mineral bearing formations:

Yates-Seven Rivers	Oil	Paddock	Oil
Penrose	Oil	Blinberry	Oil
Glorieta	Oil		
8. Casing program:

Hole size	Interval	OD of casing	Weight	Thread	Collar	Grade
25"	0-40'	20"	NA	NA	NA	Conductor
12 1/4"	0-1100'	8 5/8"	32	8-R	ST&C	J-55
7 7/8"	0-5350'	5 1/2"	17	8-R	ST&C	J-55