

APPLICATION TO DRILL

Liberty Oil & Gas
Lee Federal 'Com' No. 2
1980' FNL & 1980' FEL
Sec. 25, T20S, R28E
Eddy County, N.M.

NM-17103

The following items supplement Form 9-331C in accordance with instructions contained in NTL-6:

1. Geologic Name of Surface Formation: Aeolian
2. Drilling Tools and Associated Equipment: Conventional drilling tools using mud for the circulation medium.
3. Proposed Drilling Depth: 12,000⁺
4. Estimated Geological Marker Tops:

Rustler	187'	Bone Springs	5134'
Salt	378'	Wolfcamp	8985'
Yates	630'	Strawn	10170'
Queen	1420'	Atoka	10694'
Grayburg	1938'	Morrow	11087'
San And.	2572'	Chester	11430'
5. Mineral Bearing Formation: Gas bearing at 11,300'.
6. Casing Program:

20" Casing - Set 40' of 20", 90# casing. Redi-mix to surface.

13 3/8" Casing - Set approximately 600' of 13 3/8", 48# K-55, ST&C casing. Cement to surface using 300 sx of cement.

9 5/8" Casing - Set approximately 3000' of 9 5/8", 36# J-55, ST&C casing. Cement to surface using 570 sx of cement.

5 1/2" Casing - Set 5 1/2", 15.5 & 17.0# N-80, LT&C casing to total depth. Cement with 350 sx of cement to cover pay zones.
7. Pressure Control Equipment: BOP diagram is attached.