

APPLICATION TO DRILL
MESA PETROLEUM CO.
STRONG FED. COM #2
1650' FNL & 1650' FWL, SEC. 34, T24S, R26E
EDDY COUNTY, NEW MEXICO
LEASE NM-19593

In conjunction with form 9331-C, Application to Drill subject well, the following additional information is provided:

1. Applicable portions of the GENERAL REQUIREMENTS FOR OIL AND GAS OPERATIONS ON FEDERAL LEASES, Roswell District, Geological Survey of September 1, 1980 will be adhered to.
2. Geological markers are estimated as follows:

Castile & Alluvium	Surface
Lamar	1819'
Delaware Sb	1892'
Cherry Canyon	2777'
Bone Spring	5293'
3rd. BS SS	8042'
Wolfcamp	8342'
Strawn	9935'
Atoka	10,000'
Morrow	10,785'
3. Hydrocarbon bearing strata may occur in the Wolfcamp, Strawn, Atoka, or Morrow formations. No fresh water is expected below 1500'.
4. Casing and Blowout Preventer Program:

Surface: 250' of 16", 65#, H40, ST&C new casing cemented with 300 sx "C" + 2% CaCl or sufficient volume to circulate cement to surface.

1st. INTERMEDIATE: 1850' of 10 3/4", 40.5#, K55, ST&C new casing cemented with 625 sx "C" + 2% CaCl or sufficient to tie-back into the 16" surface casing. Will nipple up 10" API 3000 psi or 5000 psi Double BOP with pipe rams (bottom) and blind rams, and annular preventer to drill 9 1/2" hole.

2nd, INTERMEDIATE: 8500' of 7 5/8", 26.4#, N80 & S95, ST&C and LT&C casing cemented in two stages with 350 sx "C" and 200 sx "H" on first stage and 500 sx "C" and 150 sx "H" on second stage. Will nipple up 10" API 5000 psi Double BOP with pipe rams (bottom) and blindrams and 5000 psi annular preventer to drill 6 1/2" hole to TD.

PRODUCTION LINER: 3150' of 5", 18#, P110 liner hung at 8200' and cemented with 315 sx "H" or sufficient to tie-back into 7 5/8" casing.