

# APPLICATION FOR DRILLING

MESA PETROLEUM CO.  
SINK FEDERAL # 2  
660' FSL & 2302' FWL, SEC. 9, T16S, R27E  
EDDY COUNTY, NEW MEXICO

LEASE NO: NM - 4026

In conjunction with permitting subject well for drilling in Section 9, Township 16 South, Range 27 East, Eddy County, New Mexico, Mesa Petroleum Co. submits the following:

1. The geologic surface formation series is Guadalupian Artesia Group.
2. The estimated tops of geologic markers are as follows:

Queen	449'
Grayburg	975'
San Andres	1383'
Glorietta	2695'
Tubb	4055'
Abo	4805'
Wolfcamp	6015'
Bursum	6785'
Strawn	7830'
Atoka	8220'
Morrow	8340'
Miss Chester Sh	8490'
Miss Chester Lm	8570'

3. The depth at which water, oil, or gas are expected is:

Water	2000'
Water	3200'
Water	4100'
Gas & Water	6800'
Gas - Lower Penn	7840'
Gas - Lower Penn	8225'
Gas - Morrow	8500'

4. Casing and Blowout Preventer Program:

Surface: 350' of 13 3/8" 48#, H-40, ST&C, new casing cemented with 400 sx Class "H" with 1/4# flocele and 2% CaCl or sufficient volume to circulate cement to surface. Will install 12" API 3000 psi WP bradenhead and nipple up 10" API 3000 WP ram type BOPs to drill 11" intermediate hole.