

APPLICATION FOR DRILLING

Mesa Petroleum Co.
Maralo Federal Com. Well No. 1
1980' FSL and 660' FWL, Sec. 22, T17S, R27E
Eddy County, New Mexico
Lease: NM-025527

In conjunction with Form 9-331C, Application for Permit to Drill subject well, Mesa Petroleum Co. submits the following items of pertinent information in accordance with USGS requirements:

1. The geologic surface fromation is Permian-Guadalupean Artesia Group.
2. The estimated tops of geologic markers are as follows:

Queen	735'
San Andres	1565'
Glorieta	2815'
Yeso	3115'
Tubb	4365'
Abo	5015'
Wolfcamp	6215'
Cisco	7915'
T/Canyon Carbonates	8015'
Strawn	8595'
Atoka	8955'
Morrow	9185'
T/Mississippian Shale	9325'
T/Mississippian Lime	9475'
Estimated T/D	9550'

3. The estimated depths at which anticipated water, oil, or gas formations are expected to be encountered:

Water: at approximately 735' and 1565'
Oil: Yeso and approximately 3115'
Gas: Atoka at approximately 8955'
Gas: Morrow at approximately 9185'

4. CASING AND BLOWOUT PREVENTER PROGRAM:

Surface: 300' of 13-3/8" 48# H-40 ST&C new casing cemented with 350 sacks or sufficient to circulate cement to surface. Will nipple up 12" API 3000 WP bradenhead and install 12" API 3000 psi WP BOP stack (consisting of 1 pipe ram, 1 blind ram, and 1 bag type BOP) to drill 11" intermediate hole.

Intermediate: 1700' of 8-5/8" 24# K-55 new casing cemented with 800 sacks so as to circulate cement to the surface. Will install 12" API 3000 x 10" API 3000 psi WP casinghead spool and nipple up 12" API 3000psi WP BOP stack (consisting of 1 pipe ram, 1 blind ram, and 1 bag type BOP) to drill 7-7/8" hole to total depth.