

**Drilling Program Mewbourne Oil Company**

Vandagriff "34" Federal #1

1650' FSL & 660' FWL

Section 34-T16S-R28E

Eddy County, New Mexico

Lease Number NM83066

**1. The estimated top of geological markers are as follows:**

Queen	1100'
Grayburg	1525'
San Andres	1900'
Glorieta	3260'
Tubb	4610'
Abo	5330'
Wolfcamp	6550'
Strawn	8760'
Atoka	9270'
Morrow	9560'
Barnett	9680'
Mississippian Lime	9900'

**2. Estimated depths of anticipated fresh water, oil, or gas:**

Water	Approximately 200'
Hydrocarbons	All zones below San Andres

**3. Pressure control equipment:**

Two thousand psi working pressure annular BOP's will be installed on the 13-3/8" surface casing. Pressure tests will be conducted prior to drilling out under all casing strings. BOP controls will be installed prior to drilling under surface casing and will remain in use until completion of drilling operations. BOP's will be inspected and operated daily to insure mechanical integrity and the inspection will be recorded on the daily drilling report.

Kelly cock and a sub equipped with a full opening valve sized to fit the drill pipe and collars will be available on the rig floor in the open position when the kelly is not in use.

**4. Proposed casing and cementing program:**