

YATES PETROLEUM CORPORATION

Mule Deer ATU Fed. Com. #1

1559' FSL & 1438' FWL

Sec. 11-T21S-R21-E

Eddy County, New Mexico

1. The estimated tops of geologic markers are as follows:

Glorietta	1900'
ABO	3560'
Wolfcamp	4640'
Cisco	6000'
Strawn	7240'
Atoka	7750'
Morrow	8140'
TD	8500'

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

Water: Approx 250' - 350'
Oil or Gas: All Potential Zones

3. Pressure Control Equipment: BOPE will be installed on the 8 5/8" casing and rated for 3000 BOP systems will be consistent with API RP 53. Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. Blowout Preventor controls will be installed prior to drilling the surface plug and will remain in use until the well is completed or abandoned. Preventors will be inspected and operated at least daily to ensure good mechanical working order, and this inspection recorded on the daily drilling report. See Exhibit B.

Auxiliary Equipment:

- A. Auxiliary Equipment: Kelly cock, pit level indicators, flow sensor equipment and a sub with full opening valve to fit the drill pipe and collars will be available on the rig floor in the open position at all times for use when kelly is not in use.
4. THE PROPOSED CASING AND CEMENTING PROGRAM:

A. Casing Program: (All New)

<u>Hole Size</u>	<u>Casing Size</u>	<u>Wt./Ft</u>	<u>Grade</u>	<u>Thread</u>	<u>Coupling</u>	<u>Interval</u>	<u>Length</u>
17 1/2"	13 3/8"	350	48# H-40		ST&C	0-350'	350'
12 1/4"	8 5/8"	2000	24# J-55		LT&C	0-2000'	2000'
7 5/8"	4 1/2"	8500	23# S-95		LT&C	0-8500'	8500'

Minimum Casing Design Factors: Collapse 1.125, Burst 1.0, Joint Strength 1.8