

YATES PETROLEUM CORPORATION
Mighty Mite AZF Federal Com #1
 229' FNL and 1541' FEL – Surface Location
 660' FNL and 660' FEL – Bottom Hole Location
 Sec. 10-T22S-R24E
 Eddy County, New Mexico

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

San Andres	1265'	Cisco Canyon Dolomite	7990'
Glorietta	2645'	Base of Dolomite	8555'
Bone Springs	2955'	Strawn	8865'
2 nd Bone Springs	4765'	Atoka	9635'
3 rd Bone Springs	7265'	Morrow Clastics	10125'
Wolfcamp	7435'	Chester	10385'
		TD	10500'

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

Water: 250' - 300'
 Oil or Gas: All potential zones.

3. Pressure Control Equipment: BOPE will be installed on the 9 5/8" casing and rated for 5000 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>Coupling</u>	<u>Interval</u>	<u>Length</u>
14 3/4"	9 5/8"	36#	J-55	ST+C	0-1600'	1600'
8 3/4"	7"	26#	L-80	LT+C	0-1500'	1500'
8 3/4"	7"	26#	J-55	LT+C	1500'-6800'	5300'
8 3/4"	7"	26#	N-80	LT+C	6800'-9100'	2300'
8 3/4"	7"	26#	HCP-110	LT+C	9100'-10672'	1572'

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