

DRILLING PROGRAM

PAGE 2

Cement Program:

- 13 3/8 Surface Casing: Cemented to surface with 450 sx of Class C w/2% cc.
- 8 5/8 Intermediate Casing: Cemented to surface with 2200 sx of Class C w/2% cc.
- 5 1/2 Production Casing: Cemented sufficient to cover 200' above all oil and gas horizons.

5. Minimum Specifications for Pressure Control:

The blowout preventer equipment (BOP) will consist of a double ram-type preventer and a bag-type (Hydril) preventer. Both units will be hydraulically operated and the ram type BOP will be equipped with blind rams and 5 1/2" drill pipe rams. A 3000 psi WP BOP will be installed on the 13 3/8" casing and tested per order #2 to 70% of casing burst. This BOP will be utilized until the 8 5/8" casing is run. A 5000 psi WP BOP will be installed on the 8 5/8" surface casing and utilized continuously until total depth is reached. As per BLM Drilling Operations Order #2, prior to drilling out the 8 5/8" casing shoe, the BOP's and Hydril will be tested.

Pipe rams will be operationally checked each 24 hour period and each time the drill pipe is out of the hole. These functional tests will be documented on the daily drillers log. A 2" kill line and 3" choke line will be incorporated in the drilling spool below the ram-type BOP. Other accessory BOP equipment will include a Kelly cock, floor safety valve, choke lines and choke manifold having 5000 psi WP rating.

6. Types and Characteristics of the Proposed Mud System:

The well will be drilled to TD with cut brine. This applicable depths and properties of this system are as follows:

<u>Depth</u>	<u>Type</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Waterloss</u>
0-900	Fresh Water (Spud)	8.5	28	N.C.
800-4500	Brine	9.8-10.2	40 - 45	N.C.
4500- TD	Cut Brine	8.6-9.4	28 - 36	N.C. / 10cc

7. Auxiliary Well Control and Monitoring Equipment:

- A. A kelly cock will be kept in the drill string at all times.