

5. Minimum Specifications for Pressure Control:

The blowout preventer equipment (BOP) shown in Exhibit #2 will consist of a double ram-type (3000 psi WP) preventer and a bag-type (hydril) preventer (3000 psi WP). Both units will be hydraulically operated and the ram-type preventer will be equipped with blind rams on top and 4-1/2" drill pipe rams on bottom. Both BOP's will be nipped up on the 8-5/8" surface casing and used continuously until TD is reached. All BOP's and accessory equipment will be tested to 1000 psi before drilling out of surface casing. Pipe rams will be operationally checked each 24 hour period. Blind rams will be operationally checked on each trip out of the hole. A 2" kill line and 3" choke line will be included in the drilling spool located below the ram-type BOP. Other accessories to the BOP equipment will include a kelly cock and floor safety valve (inside BOP) and choke lines and choke manifold with 3000 psi WP rating.

6. Types and Characteristics of the Proposed Mud System:

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

<u>Depth</u>	<u>Type</u>	<u>Weight (ppg)</u>	<u>Vis (sec)</u>	<u>Waterloss (cc)</u>
0-400'	Spud Mud	8.6-9.2	28-34	N.C.
400-2900'	Brine/Native	10.0-10.2	28-32	N.C.
2900-3100'	Brine/Salt gel/Starch	10.0-10.2	36-38	10.0-15.0

Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept at the wellsite at all times.

7. Auxiliary Well Control and Monitoring Equipment:

- (A) A kelly cock will be kept in the drill string at all times.
- (B) A full opening drill pipe stabbing valve (inside BOP) with proper drill pipe connections will be on the rig floor at all times.
- (C) H<sub>2</sub>S monitor will monitor presence of H<sub>2</sub>S at all times.

8. Logging, Testing and Coring Program:

- (A) The electric logging program will consist of GR-Compensated Neutron-Density from TD to surface casing.
- (B) No conventional coring is anticipated.
- (C) Further testing procedures will be determined after the 5-1/2" production casing has been cemented at TD based on drill shows and log evaluations.

9. Abnormal Conditions, Pressures, Temperatures and Potential Hazards:

No abnormal pressures or temperatures are anticipated. The estimated bottom hole temperature (BHT) at TD is 95°F and estimated maximum bottom-hole pressure (BHP) is 75 psig. No major loss circulation zones have been reported in offsetting wells.