

5. PRESSURE CONTROL EQUIPMENT:

Blow out prevention equipment, while drilling below the 13 3/8" casing seat, will be a 3000 psi working pressure BOP stack. A BOP sketch is attached.

6. CIRCULATING MEDIUM:

Surface to 900 feet: Fresh water spud mud. Viscosity 30 to 36 as required for hole cleaning.

900' to 5100': Brine conditioned as necessary for control of viscosity. Weight 9.8 to 10. PH 9 to 10. Viscosity 32 to 36.

5100' to T.D.: Brine base drilling fluid conditioned as necessary for control of weight, viscosity, ph and water-loss. Weight 10 to 10.4. Viscosity 38-45. PH 9 to 10. Filtrate while drilling pay zone 10-12.

7. AUXILIARY EQUIPMENT:

A mud logging trailer will be in use while drilling below 3000'.

8. TESTING, LOGGING, AND CORING PROGRAMS:

Drill stem tests will be made when well data indicate a test is warranted.

It is planned that electric logs will include CNL-FDC-GR and DLL-MSFL-SDL

Mud Logger survey will begin at 3000'.

No coring is planned.

9. ABNORMAL PRESSURES, TEMPERATURES, OR HYDROGEN SULFIDE GAS:

None anticipated.

Expected bottom hole pressure is approximately 3500 psi.
Expected bottom hole temperature is approximately 125 degrees Fahr.

Hydrogen Sulfide Drilling Operations Plan is attached.

10. ANTICIPATED STARTING DATE:

It is planned that operations will commence upon approval of this application, with drilling and completion operations lasting about 30 days.