

6. Proposed Mud System:

The well will be drilled to TD with a combination of fresh water and 10# brine. The applicable depths and properties of this system are as follows:

| <u>Depth</u> | <u>Type</u> | <u>Weight (ppg)</u> | <u>Viscosity (sec)</u> | <u>Water Loss (cc)</u> |
|------------------|-------------|-------------------------|----------------------------|----------------------------|
| 0-500' | Fresh water | 8.4 | 28 | NC |
| 500-3100' | Brine | 10.0 | 29 | NC |
| 3100-11,200' | Fresh | 8.5 | 28-32 | 16 |
| 11,200 - 14,250' | Fresh | 8.5 | 28-32 | 16 |

Sufficient mud materials to maintain mud properties and meet minimum lost circulation 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 string at all times.
- b) A full opening drill pipe stabbing valve (TIW/inside BOP) with proper drill pipe connections will be on the rig floor at all times.
- c) An electronic pit volume totalizer system will not be used.
The drilling fluids system will be visually monitored at all times.
- d) A mudlogging unit will be continuously monitoring drilling penetration rate and hydrocarbon shows from 3100' to TD. (Optional)

8. Logging, Testing, and Coring Program:

- a) Drillstem tests will be run on the basis of drilling shows.
- b) The electric logging program will consist of:
 - 1) 8-1/2" hole - Gamma ray, dual induction log, compensated neutron and litho-density logs.
- c) No conventional cores are planned. Selected intervals may be sidewall cored based upon shows and openhole logs.
- d) Further testing procedures will be determined after the 5" liner has been cemented at TD.