

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>
0-650'	Fresh water	8.4	28	NC
650-4250'	Brine	10.0	29	NC
4250-TD	Fresh	8.4	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 (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 might be monitoring drilling penetration rate and hydrocarbon shows from 4250' to TD.

8. **Logging, Testing, and Coring Program:**

- a) Drillstem tests will be run at operators discretion.
- b) The electric logging program will consist of:
 - 1) 6-3/4" hole - Gamma ray, dual induction log, compensated neutron and litho-density logs. Additional logs may be run.
- c) No conventional cores are planned. Selected intervals may be sidewall cored based upon operators discretion.
- d) Further testing procedures will be determined after the 4-1/2" production casing has been cemented at TD.