

out the 13 3/8" casing shoe (70% of 48# H-40 casing). Prior to drilling out the 8 5/8" casing shoe, the BOP will be function tested as per BLM drilling Operations Order #2.

Pipe rams will be operated and 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 3000 psi WP rating.

6. Types and Characteristics of the Proposed Mud System

The well will be drilled to total depth using brine, cut brine and polymer mud systems. Depths of systems are as follows.

| Depth | Type | Weight (ppg) | Viscosity (1/sec) | Water Loss (cc/30 mins) |
|-----------|---------------------|-----------------|----------------------|----------------------------|
| 0-850' | Fresh water | 8.8 | 34-36 | No control |
| 850-4400' | Brine water | 10.0 | 28 | No control |
| 4400'-TD | Fresh water polymer | 8.8 | 32-36 | 10-20 |

The necessary mud products for weight addition and fluid loss control will be on location at all times.

7. Auxiliary Well Control and Monitoring Equipment

- A. A kelly cock will be in the drill string at all times.
- B. A full opening drill pipe stabbing valve having the appropriate connections will be on the rig floor at all times.
- C. Hydrogen Sulfide detection equipment (Compliance Package) will be in operation when drilling out the 13 3/8" casing shoe and will remain so until the 8 5/8" casing is cemented. The Compliance Package will remain in service until the 5 1/2" casing is cemented.