

Pipe rams will be operationally checked each 24 hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets. A 2" kill line and 3" choke line will be included in the drilling spool located below the ram-type B. O. P. Other accessories to the B. O. P. equipment will include a kelly cock and floor safety valve (inside B. O. P.) and choke lines and choke manifold with 3000 psi rating.

7. Types and Characteristics of the mud System: The well will be drilled to T. D. with a combination of brine, cut brine and polymer/KCI mud system. The applicable depths and properties of this system are as follows:

Depth	Type	Weight (ppg)	Viscosity (sec)	Waterloss (cc)
0' - 400'	fresh water (spud)	8.5	40 - 45	n. c
400' - T.D.	cut brine	8.8 - 9.2	28	n. c

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

8. Auxiliary Well Control and Monitoring Equipment:

A. A kelly cock will be kept in the drill string at all at times.

B. A full-opening drill pipe stabbing valve (inside B. O. P.) with proper drill pipe connections will be on the rig floor at all times.

C. A mud logging unit complete with hydrogen sulfide detector will continuously monitor drilling penetration rate and hydrocarbon shows to T. D.

9. Logging, Testing and Coring Program:

A. Drill stem tests may be run on the basis of drilling shows.

B. The electric logging program will consist of GR-CNL from T. D. to surface casing, and GR-CNL from T. D. to surface. Selected cores may be taken in zones of interest.

C. No conventional coring is anticipated.

D. Further testing procedures will be determined after the 5 1/2" production casing has been cemented at T. D., based on drill shows, log evaluation, and drill stem tests.

10. Abnormal Conditions, Pressures, Temperatures, or Potential Hazards: No abnormal pressures or temperatures are anticipated. The estimated bottom hole temperature at T. D. is 110 degrees Fahrenheit. The estimated maximum bottom hole pressure is 1000 psig. No hydrogen sulfide or known to exist at this depth in this area. No major circulation loss zones have been reported in offsetting wells.