

5. Pressure Control Equipment: See Attached Diagram

6. Mud Program:

Surface to 700': Fresh water spud with 35 to 45 sec/1000 cc viscosity.

700 to 5,000': 10.0 ppg saturated brine water. Circulate to reserve pit. Will use lime for pH control in range 10 to 11. Will sweep hole with salt gel slugs as required for hole cleaning.

5,000 to 11,500': Fresh water. Will sweep hole with gel slugs as required for hole cleaning. Begin adding brine as required at $\pm 10,000'$.

11,500 to TD: KCl/Salt/Polymer mud. 9.0 to 9.5 ppg, vis 34 to 38, FL 10 cc or less.

7. Auxiliary Equipment:

- a. Upper kelly cock valve with handle available
- b. Lower kelly cock valve with handle available
- c. Safety valves and subs to fit all drill string connections in use
- d. Inside BOP or float sub available
- e. Wear ring in casing head
- f. No floats at bit
- g. Monitoring of mud system will be visual
- h. Full opening floor valve manually operated

8. Testing, Logging and Coring Program:

Drill Stem Tests will be made when samples, drilling time and other data indicate a test is warranted.

It is planned that electric logs will include Gamma Ray-CNL, LDT, and dual laterologs.

Note: A gamma ray log will be run over the surface casing from its base to the ground surface.

No coring is planned.

9. Anticipated abnormal pressure: None

10. Anticipated Starting Date: It is planned to commence drilling operations upon approval of Application to Drill.