5. PRESSURE CONTROL EQUIPMENT:

Blowout preventer stack will be a 5000 psi working pressure stack while drilling above 12,000 feet.

Blowout preventer stack will be a 10,000 psi working pressure stack while drilling below 12,000 feet.

Sketch of BOP stack is attached.

A rotating head on top of the annular preventer will be used while drilling the lower part of the hole.

6. CIRCULATING MEDIUM:

Surface to 600 feet; Fresh water with gel or lime as needed for viscosity control.

600 to 5100 feet; Brine water with salt gel as needed for viscosity control.

5100 to 11,900 feet; Fresh water treated as necessary for control of pH, viscosity, and mud solids.

11,900 to 13,500 feet; Fresh water, low water-loss, XC polymer mud. 5 percent KCl. Weighted as necessary for well control.

7. AUXILIARY EQUIPMENT:

Drill string safety valves will be maintained on the rig floor in the open position while drilling operations are in prodress.

A mud logging unit will be at the well while drilling below 4000 feet.

Mud de-sanders will be in use while drilling below 5100 feet.

PVT and flow sensor equipment will be in use while drilling lower part of hole.

8. TESTING, LOGGING AND CORING PROGRAMS:

Drill stem tests will be made when samples, drilling rate and mud logging data are sufficient to indicate a possible pay zone.

It is planned that electric logs will include CNL-GR logs