

5. PRESSURE CONTROL EQUIPMENT:

- 600- 4150' An annular-type preventer rated to 1500 psi.
- 4150-12400' An annular-type and two ram-type preventers rated to 5000 psi (see Figure 1).
- 12400-15000' An annular-type and three ram-type preventers rated to 5000 psi (see Figure 2).

6. PROPOSED MUD PROGRAM:

- 0- 600' Spud mud w/paper added to control seepage. Add LCM as necessary if loss of circulation becomes a problem.
- 600- 4150' Drill w/saturated brine water.
- 4150-12400' Drill w/cut brine water, mudding up as hole conditions dictate.
- 12400-14300' Drill w/brine increasing weight as hole conditions dictate.
- 14300-15000' Drill w/brine water.

7. AUXILIARY EQUIPMENT:

- A. Kelly cock in kelly.
- B. Full-opening valve on rig floor in open position at all times ready to be stabbed into drillpipe if necessary.
- C. Rotating drilling head.

8. TESTING, LOGGING AND CORING PROGRAMS:

- A. Possible DST's in Wolfcamp, Atoka, and Morrow.
- B. No coring is planned.
- C. CNL-FDC w/GR and caliper; DIL w/Rxo, 4150' to TD.

9. ABNORMAL PRESSURES, TEMPERATURES OR HYDROGEN SULFIDE GAS: Sufficient material will be kept on location to increase mud weight to handle anticipated pressures. The Wolfcamp and/or Atoka may be abnormally pressured.

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

- A. Road and pad construction: November 1, 1981
- B. Spud well: November 15, 1981
- C. Duration of drilling and completion operations should be about 120-150 days.