

**Cement Program:** (Actual volumes will be based on caliper log when available)

Surface – Cement to surface with total of +/- 600 cu ft as follows:

Lead – 120 sxs 35/65 POZ:C + 6% Bentonite

Tail – 195 sxs “C” + 2% CaCl

Production - Cement to surface with total of +/- 800 cu ft as follows:

Lead - 330 sx 35/65 POZ:C + 6% gel

Tail – 470 sx 50/50 POZ:C + 32% gel + 3% salt + .4% FL-52

**6. Mud Program**

<u>Depth</u>	<u>Mud Type</u>	<u>Weight ppg</u>	<u>Funnel Viscosity</u>	<u>Water Loss</u>
0'-580'	Spud Mud	8.4-8.9	29-34	NC
580-2900'	Brine	10.0	28-30	NC
2900-3800'	SWG	10.0	30-35	≤ 15 cc

**7. Auxiliary Equipment**

Upper Kelly Cock, Lower Kelly Cock, and Full Opening Stabbing Valve

**8. Testing, Coring and Logging Program**

- A. Drill Stem Tests – None planned
- B. Coring – None planned
- C. Logging – Mud logging planned from 2500' to TD
- D. Electric Logs
  - Open Hole: GR, DLL/MLL, CNL/LDT TD to 2800'
  - Cased Hole: GR/CCL TD to 2800'

**9. Anticipated Abnormal Temperature, Pressure, or Hazards**

**10. Anticipated Starting Date and Duration of Operations**

Pending favorable weather and permit approval, construction work on this location is planned to begin in February, 2002. Construction work will require 2 days, move-in and rig up rotary tools, 1 day, drill and complete, 18 days. It is planned to spud the well in March, 2002.