

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

Surface – Cement to surface as follows:

Lead – 460 sxs Class “C” + 5 #/sx Gilsonite + 1/4 #/sx Flocele + 2% CaCl

Tail – 150 sxs “C” + 2% CaCl

If cement does not circulate will run temperature survey to determine TOC. Will run 1" tubing down the hole beside the 8 5/8" casing and cement to surface using Class “C” + 2% CaCl mixed in 100 sx stages.

Production - Cement to 5000' as follows:

Lead - 133 sx Class “C” + 2 lb/sk Salt + .4% FL-25 + 15% gel

Tail – 396 sx 15:61:11 POZ:C:CSE + .3% FL-25 + .3% 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'-1400'	Air Drilled			
1400-6750'	FW/Brine	8.4/9.0	28-30	NC
6750-8600'	XCD Polymer	9.0/9.2	34-36	8-10 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 3000' to TD
- D. Electric Logs
  - Open Hole: GR, DLL/MLL, CNL/LDT Shoe of 8-5/8" csg to TD
  - Cased Hole: GR/CBL/CCL TD to top cement in prod csg

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

Normally have severe lost circulation from surface to 1400'. Air drilling should alleviate this. Lost circulation is not anticipated below 1400'.

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

Pending favorable weather and permit approval, construction work on this location is planned to begin in June 2002. Construction work will require 5 days, move-in and rig up rotary tools, 1 day, drill and complete, 30 days. It is planned to spud the well in June 15, 2002.