

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

Surface - Cement to surface with total of +/- 1213 cu ft as follows:

Lead Slurry - 500 sks 35:65 Poz: C + 2% CaCl<sub>2</sub> + 1/4 pps Cello-Seal

Tail Slurry - 200 sks Class "C" + 2% CaCl<sub>2</sub> + 1/4 pps Cello-Seal

Intermediate - Cement to surface with a total of +/- 2545 cu ft as follows:

Lead Slurry - 1100 sks 35:65 Poz: C + 1/4 pps Cello-Seal + 3% Salt

Tail Slurry - 200 sks Class "C" + 2% CaCl<sub>2</sub> + 1/4 pps Cello-Seal

Production - Cement to Int Csg. with a total of +/- 1730 cu ft as follows:

1st Stage: Lead Slurry - 500 sks 35:65 Class "H" Poz + 1/4 pps Cello-Seal + 0.5% FL52

Tail Slurry - 400 sks Class "H" + 12% BR-90 + 0.4% FL52 + 3% salt + .2% CD-32 +  
1/4 pps Cello-Seal

**6. Mud Program**

<u>Depth</u>	<u>Mud Type</u>	<u>Weight ppg</u>	<u>Funnel Viscosity</u>	<u>Water Loss</u>
0'-860'	Spud Mud	8.4-8.9	29-34	NC
860'-4600'	Brine	10.0-10.2	28-30	NC
4600'-8300'	FW	8.4-8.8	28-30	NC
8300'-8450'	FW LSND	8.6-9.0	32-34	≤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 4000' to TD

D. Electric Logs

Open Hole: DLL/MLL, CNL/LDT, GR:

Shoe of 8-5/8" csg to TD

Cased Hole: GR/CNL

Surf. to shoe of 8-5/8" csg

GR/CCL

TD to top cement in prod. csg.

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

Possible water flow from +/- 3500' to 4200'. Seepage is expected starting in the Cherry Canyon formation and continuing to TD (5650'-8450').

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

As soon as possible.