5. **Proposed Casing and Cementing Program**

	Hole <u>Size</u>	Interval, M.D.	Casing <u>Size</u>	Weight & Grade
Surface Intermediate Production 55	17 1/2" 11" 7 7/8"	0-860' 860 ' -4600 ' 4600'-8600'	13-3/8" 9-5/8" 8-5/8 5-1/2"	48.0# H-40 32.0# J-55 15.5# & 17.0# J- LTic 7000 15.5 PPf 1600' 17 PPf

<u>Cement Program</u>: (Actual volumes will be based on caliper log when available)

Surface - Cement to surface with total of ±1360 cu ft as follows: <u>Lead Slurry</u> - 575 sks 35:65 Poz: C + 2% CaCl₂ + 6% Gel + 1/4 pps Cello-Seal + 10 pps Gilsonite <u>Tail Slurry</u> - 200 sks Class "C" + 2% CaCl₂ + 1/4 pps Cello-Seal

Intermediate - Cement to surface with total of ± 3572 cu ft as follows:

Lead Slurry - 1600 sks	35:65 Poz: C + 2% CaCl, + 6% Gel + 1/4 pps Cello-Seal
<u>Tail Slurry</u> - 200 sks	Class "C" + 2% CaCl, + 1/4 pps Cello-Seal

Production - Cement to 6500' with a total of \pm 875 cu ft as follows:

Lead Slurry	- 155 sks 35:65Class "H" Poz + 6% Gel + 5% salt + .25 pps Cello-
	Seal
<u>Tail Slurry</u>	- 325 sks Class "H" + 12 pps BA-90 + 0.4% FL52 + 3% salt + .2%
	CD-32 + 1/4 pps Cello-Seal

6. Mud Program

		Weight	Funnel	Water
Depth	<u>Mud Type</u>	ppg	Viscosity	Loss
0-860'	Spud Mud	8.4-8.9	29-34	NC
860'-4600'	Brine	10.0-10.2	28-30	NC
4600'-8400'	FW	8.4-8.8	28-30	NC
8400" -8600'	FW LSND	8.6-9.0	32-34	<10

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.