

witnessed by ARCO's representative and will be noted on the IADC daily drilling report. Accessories to BOPE will include an upper kelly cock, lower kelly cock, and floor safety valve all with pressure rating equivalent to the BOP stack.

5. **Proposed Casing and Cementing Program**

	<u>Hole Size</u>	<u>Interval, M.D.</u>	<u>Casing Size</u>	<u>Weight & Grade</u>
Surface	12 1/4"	0-1500'	9-5/8"	36.0# J-55
Production	8 3/4"	1500'-10,000'	5-1/2"	17.0# L-80

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

Surface - Cement to surface with total of ± 1000 cu ft as follows:

Lead Slurry - 300 sks 35:65 Poz: C + 2% CaCl_2 + 6% Gel + 1/4 pps Cello-Seal

Tail Slurry - 225 sks Class "C" + 2% CaCl_2 + 1/4 pps Cello-Seal

Production - Cement to 6500' with a total of ± 1800 cu ft as follows:

Lead Slurry - 150 sks Class "H" + 1 gsp D600 + 0.1 gsp D604BM + 0.05 gsp M45
+ 2% b28 + 0.1% D153 + 0.2% D800

Tail Slurry - 875 sx 65:35 Class "H" Poz + 6% D-20 + 0.4% D112 + 0.2% D65

6. **Mud Program**

<u>Depth</u>	<u>Mud Type</u>	<u>Weight ppg</u>	<u>Funnel Viscosity</u>	<u>Water Loss</u>
0-1500'	Spud Mud	8.4-8.9	29-32	NC
1500'-9200'	FW	8.4-9.0	28-30	NC
9200'-10,000'	FW LSND	8.6-9.4	35-45	<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 - One DST in Morrow formation.
- B. Coring - None planned.
- C. Logging - Mud logging planned from 5000' to TD.
- D. Electric Logs

Open Hole:	DLL/MLL, CNL/LDT, Sonic:	Shoe of 9 5/8" csg to TD
Cased Hole:	GR/CNL	Surface to shoe of 9 5/8" csg
	GR/CCL	TD to top cement in prod csg