

be functioned on each trip out of the hole. All BOPE checks and tests will be witnessed by Journey'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

	Hole Size	Interval M.D.	Casing Size	Weight & Grade
Surface	17-1/2"	0-650'	13-3/8"	54.5# J-55 STC
Intermediate	11"	0-4400'	8-5/8"	32.0# J-55 LTC
Production	7-7/8"	0-5000'	5-1/2"	15.5# J-55 LTC
		5000-8700'	5-1/2"	17.0# J-55 LTC

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

Surface - Cement to surface with total of +/- 907 cu ft as follows:

Lead Slurry - 330 sks 35:65 Poz:C + 6% Bentonite + 2% CaCl₂
+ 1/4 pps Cello-flake

Tail Slurry - 210 sks 25:75 Poz:C + 2% CaCl₂ + 1/4 pps Cello-flake

Intermediate - Cement to surface with a total of +/- 2167 cu ft as follows:

Lead Slurry - 800 sks 50:50 Poz:C + 10% Bentonite + 0.2% Antifoamer
+ 0.2% Flac + 1/4 pps Cello-flake

Tail Slurry - 220 sks 25:75 Poz:C + 1/4 pps Cello-flake

Production - Cement to Intermediate Csg with a total of +/-1321 cu ft as follows:

Lead Slurry - 340 sks 50:50 Poz:H + 10% Bentonite + 0.2% Antifoamer
+ 0.2% Flac + 1/4 pps Cello-flake

Tail Slurry - 410 sks 50:50 Poz:H + 2% Bentonite + 0.2% Antifoamer
+ 0.2% Flac + 5% Salt + 1/4 pps Cello-flake

6. Mud Program

<u>Depth</u>	<u>Mud Type</u>	<u>Weight ppg</u>	<u>Funnel Viscosity</u>	<u>Water Loss</u>
0' - 650'	Spud Mud	8.4-8.9	29-34	NC
650' - 4600'	Brine	10.0-10.2	28-30	NC
4600' - 8000'	FW	8.4-8.8	28-30	NC
8000 - 8700'	FW LSND	8.6-9.0	32-34	≤15 cc