

4. Casing Program:

Hole Size	Interval	OD Csg	Weight, Grade, Jt, Cond., Type
17-1/2"	0-250	13-3/8	54.5#, K-55, ST&C, NEW, R-3
12-1/4"	0-1100	8-5/8	24#, K-55, ST&C, NEW, R-3
7-7/8"	0-TD	5-1/2"	17#, J-55, ST&C, NEW, R-3

Cement Program:

13-3/8" Surface Casing: Cement to Surface with Class C w/2% CaCl₂.

8 5/8" Intermediate Casing: Cement to Surface with Class C w/2% CaCl₂.

5 1/2" Production Casing: Cement Casing with Class C w/6# Salt & 2/10 of 1% CFR-3 per sack. We will run a hole caliper and run sufficient cement to Circulate to Surface.

5. Minimum Specifications for Pressure Control:

The blowout preventer equipment (BOP) shown in Exhibit #1 will consist of a double ram-type (2000 psi WP) preventer. This unit will be hydraulically operated and the ram type preventer will be equipped with blind rams on top of 4 1/2" drill pipe rams on bottom. The BOP will be nipped up on the 13-3/8" surface csg and used continuously untill TD is reached. All BOP's and accessory equipment will be tested to 1000 psi before drilling out of surface casing. Before Drilling out of intermediate casing, the ram type BOP and accessory equipment will be tested to 2000 psi. Pipe rams will be operationally checked each 24 hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets. Other accessories to hte BOP equipment will include a kelly cock and floor safety valve and choke lines and choke manifold with 2000 psi WF rating.