

DRILLING PROGRAM  
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Cement Program:

13 3/8 Surface Casing: Cemented to surface with 800 sx of Class C w/2% cc.

8 5/8 Intermediate Casing: Cemented to surface with 1200 sx of Class C w/2% cc.

5 1/2 Production Casing: Cemented to surface with 650sx.

5. Minimum Specifications for Pressure Control:

The blowout preventer equipment (BOP) shown in Exhibit #1 will consist of a double ram-type preventer. This unit will be hydraulically operated and the ram-type preventer will be equipped with blind rams on top and 4-1/2" drill pipe rams on bottom. This BOP will be nipped up on the 13 3/8' surface casing and used continuously until TD is reached. All BOP's and accessory equipment will be tested to 1000 psi before drilling out of surface casing and 3000 psi before drilling below 8 5/8 casing.

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. A 2" kill line and a 3" choke line will be included in the drilling spool located below the ram-type BOP. Other accessories to the BOP equipment will include a kelly cock and floor safety valve (inside BOP) and choke lines and choke manifold with 3000 psi WP rating.

6. Types and Characteristics of the Proposed Mud System:

The well will be drilled to TD with cut brine. These applicable depths and properties of this system are as follows:

<u>Depth</u>	<u>Type</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Waterloss</u>
0-850	Fresh Water (Spud)	8.6 - 8.8	32 - 35	N.C.
850-4050	Brine	9.5 – 10.1	29.0	N.C.
4050-8300	Brine Polyner	10.0 – 10.4	32 - 39	6-8 wl