4. **Casing Program:**

Hole Size	Interval	OD Casing	Wt, Grade, Jt. Cond, Type
17 1/2	0-~~800~~ 955'	13 3/8	48# H-40 STC
12 1/4	0-2300	8 5/8	24# J-55 STC
12 1/4	2300-4500	8 5/8	32# J-55 STC
7 7/8	0-1200	5 1/2	17# S-95 LTC
7 7/8	1200-10800	5 1/2	17# N-80 LTC
7 7/8	10800-13000	5 1/2	17# S-95 LTC

Cement Program:

13 3/8 Surface Casing: Cemented to surface with 450 sx of Class C w/2% cc.

8 5/8 Intermediate Casing: Cemented to surface with 2200 sx of Class C w/2% cc.

5 1/2 Production Casing: Cemented sufficient to cover 200' above all oil and gas horizons.

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 by 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 nippled 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 3500 psi before drilling out of surface 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 5000 psi WP rating.

6. **Types and Characterisitcs of the Proposed Mud System:**

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