

## DRILLING PROGRAM - PAGE 2

### Cement Program:

- 13 3/8" Surface Casing: Cement w/250sx Class C lite cmt with .25# sx  
Cement to surface w/ 150sx of Class C w/2% cc.
- 8 5/8" Intermediate Casing: Cement w/1000sx C lite w/ six lb. salt per sx  
Cement to surface w/ 200sx Class C neat w/2%cc
- 5 1/2" Production Casing: Cement as necessary to isolate productive zones

### 5. Minimum Specifications for Pressure Control:

The blowout preventer equipment (BOP) shown in Exhibit #1 will consist of a double ram-type (3000 psi wp) 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 csg and used continuously until TD is reached. All BOP's and accessory equipment will be tested to 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 3000 psi WP rating.

### 6. Types and Characteristics of the Proposed Mud System:

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

<u>Depth</u>	<u>Type</u>	<u>Weight (ppg)</u>	<u>Viscosity (sec)</u>	<u>Waterloss (cc)</u>
0 - 350'	Fresh Water/Native Mud	9.5	30	N.C.
350'-3000'	Fresh Water/Native Mud	9.5	30	N.C.
3000-6450'	Cut Brine Mud	9.5	30	N.C.
6450-10600'	Salt Gel w/diesel & starch	9.5-9.8	35-38	10-15-cc