

Cement Program:

20" conductor csg:	Cemented with ready-mix to surface.
13-3/8" surface csg:	Cemented to surface with 685 sx of Class C + 2% CaCl <sub>2</sub> + 1/4 #/sx Flocele.
9-5/8" intermediate casing:	Cemented to surface with 650 sx of Premium Plus Lite + 1/4#/sx Flocele and 300 sx Class C + 2% CaCl <sub>2</sub> .
7" intermediate casing:	Run annulus casing packer and stage tool above expected lost circulation zone at 3780'. Cement 1st stage with 300 sx Class C + 1/4# Flocele. Cement 2nd stage with sufficient volume of Class C + 2% CaCl <sub>2</sub> to tie into 9 5/8" casing with TOC at 2200'.
4 1/2" production casing:	Run stage tool at 6500'. Cement 1st stage with 200 sx Class C + 8# Silicalite + 2# KCL + 0.5% Halad - 9 + 0.3% CFR - 3 + 1/4# Flocele. Cement 2nd stage with sufficient volume of Class C + 2% CaCl <sub>2</sub> to tie into 7" casing with TOC at 4750'.

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 and a bag-type (hydрил) preventer (3000 psi WP). Both units will be hydraulically operated and the ram-type preventer will be equipped with blind rams on top and drill pipe rams on bottom. Both BOP's will be nipped up on the 13-3/8" surface csg and used continuously until TD is reached.

A 2" kill line and 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.