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4. Casing Program:

<u>Hole Size</u>	Interval	<u>Csg OD</u> ,	Weight, Grade, Type
25" 17-1/2" 11" 7-7/8"	0-40' 0-850' 0-4400' 0-TD	20" 13-3/8" 8-5/8" 5-1/2"	Conductor, 0.30" wall 54.5#, K-55, ST&C, New,R-3 32#, K-55, ST&C, New, R-3 15.5 & 17#, K-55, N-80, LT&C, New, R-3

## Casing Program:

20" Conductor Casing: Cemented with ready-mix to surface. 13-3/8" Surface Casing: Cemented to surface using 460 sx Poz "C" (35:65) + 6% Gel + 1/4# sx Flocele followed by 200 sx Class "C" + 2% CC.

- 8-5/8" Intermediate Cemented to surface with 1600 sx Poz
  Casing:
  C" (35:65) + 6% Gel + 10% Salt +
  1/4# sx Flocele followed by 200 sx
  Class "C" + 2% CC + 0.25 lb/sx
  Flocele.
- 5-1/2" ProductionCemented with 600 sx Class "H" + 3%Casing:Salt + 0.6% Halad 322 + 10#/sxSilicalite + 1/4# sx Flocele.

Stage Tool at  $\pm 5500$ '. Cemented with 500 sx Poz "H" (35:65) + 6% Gel + 5% Salt + 1/4# sx Flocele followed by 100 sx Class "H" as in first stage.

The above cement volumes could be revised pending the caliper measurement from the open hole logs. The top of cement is designed to reach above the 8-5/8" casing seat at 4400'.

## 5. <u>Minimum Specifications for Pressure Control</u>:

The blowout preventer equipment (BOP) shown in exhibit #1 will consist of a (3M system) double ram type (3000 psig WP) preventer and a bag-type (Hydril) preventer (3000 psig WP). Both units 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. Both BOP's will be installed on