

4. Casing Program:

Hole Size	Internal	Csg OD	Weight, Grade
			Jt, Cond.
14 3/4"	0- 350 ^{550'}	10 3/4"	45.5#, K-55, LT&C, New
9 1/2"	0-TD	7 5/8"	26.4#, J-55, LT&C, New

5. Cement Program:

10 3/4" Surface casing: Cement to surface with 300 sx of Premium Plus cement containing 2% CaCl and 1/4 lb/sk Flocele.

7 5/8" Production casing: Cement to surface in two stages with the DV tool set at 2700'.
First Stage:
140 sx Premium Plus 50/50 Poz "A" Cement containing 3% KCl and 0.6% Halad-344.
Second Stage:
330 sx Premium Plus HLC Cement containing 15 lb/sx salt and 1/4 lb/sk Flocele.

6. Pressure Control Specifications:

The blowout preventer equipment (BOP) will consist of a double ram-type (3000 psi WP) preventer and a hydrill (3000 psi WP) preventer. Both units will be hydraulically operated and the ram-type preventer will be equipped with blind rams on top and pipe rams on bottom. Both BOP's will be nipped up on the 10 3/4" surface casing and used continuously until TD is reached. All BOP's and accessory equipment will be tested to 1000 psi before drilling out the 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 kill line and 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, floor safety valve (inside BOP), and choke lines and choke manifold with 3000 psi WP rating. The manifold will be manually operated with a hydraulic HCR valve between it and the BOP's.