

5. Pressure Control Equipment:

Type 1 - 5000 psi Double Gate Preventer with pipe & blind rams and Koomey Pressure closing unit.
1 - 3 inch or larger 3000# WP double choke blow manifold with straight thru and double choke wing.
1 - 3 inch or larger kill line (3000# WP) valve and manifold.

Testing Procedure-Casing and Ram Type Preventers will be tested to 70% of the minimum internal yield pressure of the casing or ~~1000 psi~~ for 30 mins. MC

Testing Frequency-Preventers will be tested prior to drilling out cement on the 8-5/8" casing when testing the casing and casing head. Test pressure will not exceed casing internal yield pressure.

BOP Configurations - See Exhibit "A"

Kill and Relief Manifold Configurations - See Exhibit "B"

Casing head - See Exhibit "C"

6. Drilling Fluids:

A. Surface Hole: 0'-350' 12 1/4". This interval will be drilled with fresh water, fresh gel and lime. 8-5/8" casing will be set and cemented to surface with Premium Plus cement plus 2% CaCl

Type Mud	Fresh Water Gel
Mud Weight	8.4 - 9.8 PPG
Viscosity	28 - 31 Sec.
Water loss	No Control
PH	8.5

B. Production Hole: 350' - 2,800' 7-7/8". This interval will be drilled with brine water to 2,400 and from 2,400' to total depth (2,800' Est) with salt gel mud.

Type Mud	Salt gel
Mud Weight	10.1 ppg
Viscosity	28 - 35
Water loss	No Control - 8cc
PH	10.0

Mud additives will be fresh and salt gel clays, lime, fiber, cotton seed hulls, caustic soda, starch, paper mud-seal.