

b) Blowout Preventers

Refer to attached drawing and list of equipment, titled "Type II-C" for description of BOP stack and choke manifold.

c) BOP Control Unit

Unit will be hydraulically operated and have at least 3 control stations.

d) Testing

When installed on 9 5/8" casing the BOP stack will be tested at a low pressure (200-300 psi) and to at least 1000 psi. At approximately weekly intervals, the stack will be tested to 1000 psi. An operational test of the BOPs is to be performed on each round trip (but not more than once each day); the annular and piperam preventer will be closed on drill pipe, and the blind rams will be closed while pipe is out of the stack.

6. Type and anticipated characteristics of Drilling Fluid:

Depth Interval Ft.	Mud Type	Weight ppg	Funnel	PV CP	WL (cc)	Solids %	YP #/100 Ft ²	pH
			Visc Sec/Qt					
0-1500	Fresh	Spud Mud	--	--	--	----	-----	-
1500-6000	Brine	10.0	28	--	--	----	-----	10.5
6000-TD	Brine Mud	10-10.2	30-50	--	20-10	----	10-30	10.5

Mud weight and viscosity will be maintained at levels compatible with operating conditions. Not less than 200 barrels of fluid will be in the pits and adequate barite for weight control will be stocked on location.

7. Auxiliary Control Equipment:

- a) Kelly Cocks: Upper and Lower installed on kelly.
- b) Safety Valve: Full-opening ball-type to fit each type and size of drill pipe in use available on rig floor, in open position for stabbing into drill pipe when kelly is not in string.
- c) Pit volume totalizer to monitor mud pits - 1500' to T.D.
- d) Trip tank to insure that hole is full and takes proper amount of fluid on trips - 1500' to T.D.
- e) A float at the bit will not be used unless conditions dictate.

8. The testing and logging program to be followed:

0-1500'	Log Gamma Ray
1500-10,000'	Log Gamma Ray, Caliper - FDC-CNL and DLL
9500'	DST Hydrocarbon shows