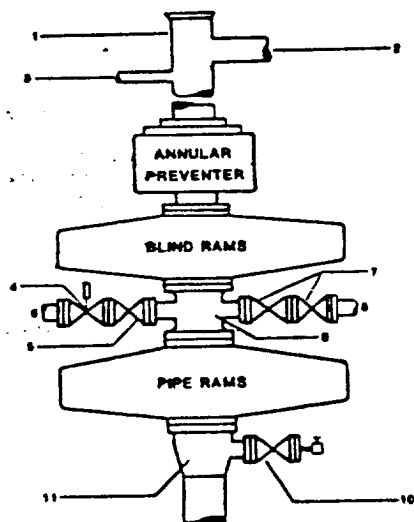
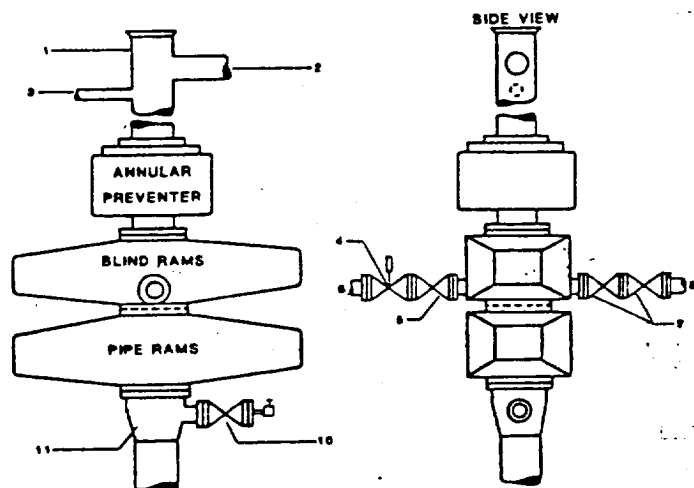


FIELD PRACTICES AND STANDARDS



1. BELL NIPPLE
2. FLOW LINE
3. FILL-UP LINE
4. 3" FE PRESSURE-OPERATED CHOKE LINE VALVE
5. 3" FE GATE VALVE
6. 3" FE CHOKE LINE TO CHOKE MANIFOLD
7. 2" FE GATE VALVES
8. 2" FE KILL LINE
9. DRILLING SPOOL
10. 2" SE OR FE GATE VALVE WITH NEEDLE VALVE
11. CASING HEAD HOUSING

Figure 7-7. Standard Hydraulic Blowout Preventer Assembly
(3 M Working Pressure) Alternative 1



1. BELL NIPPLE
2. FLOW LINE
3. FILL-UP LINE
4. 3" PRESSURE-OPERATED CHOKE LINE VALVE
5. 3" GATE VALVE
6. 3" CHOKE LINE TO CHOKE MANIFOLD
7. 2" GATE VALVES
8. 2" FE KILL LINE
10. 2" SE OR FE GATE VALVE WITH NEEDLE VALVE
11. CASING HEAD HOUSING

Figure 7-8. Standard Hydraulic Blowout Preventer Assembly
(3 M Working Pressure) Alternative 2 (without Drilling Spool)