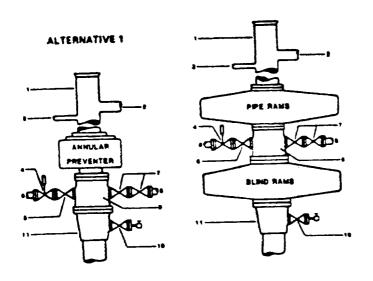
FIELD PRACTICES AND STANDARDS

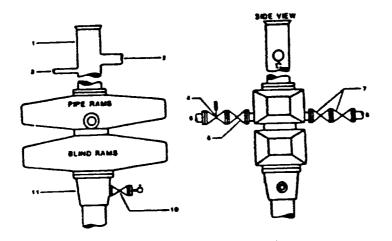
ALTERNATIVE 2



- 1. SELL NIPPLE
- 2. FLOW LINE
- 1 FILLUP LINE
- 4. T' FE PRESSURE OPERATED CHOKE LINE
- VALVE
- S. T FE GATE VALVE
- & 2" FE CHOKE LINE TO MANIFOLD
- 7 FE GATE VALVES
- 8. T FE KILL LINE
- 9. DRILLING SPOOL
- 10. 2" SE OR FE GATE VALVE WITH NEEDLE
 - VALVE
- 11. CASING HEAD HOUSING

NOTE. THE DRILLING SPOOL MAY BE LOCATED BELOW BOTH SETS OF RAMS IF A DOUBLE PREVENTER IS USED AND IT DOES NOT HAVE SUITABLE OUTLETS BETWEEN RAMS

Figure 7-9. Standard Hydraulic Blowout Preventer Assembly (2 M or 3 M Working Pressure) Alternative 1



- 1. BELL NIPPLE
- 2. FLOW LINE
- 1 FILLUP LINE
- 4 2 FE PRESSURE-OPERATED CHOKE LINE
- VALVE
- S. 2" FE GATE VALVE
- & 2" FE CHOKE LINE TO MANIFOLD
- 7. T FE GATE VALVES
- & T FE KILL LINE
- 10. 2" SE OR FE GATE VALVE WITH NEEDLE VALVE
- 11. CASING HEAD HOUSING

Figure 7-10. Standard Hydraulic Blowout Preventer Assembly (2 M or 3 M Working Pressure) Alternative 3 (without Drilling Spool)