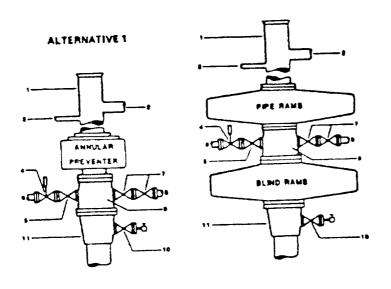
FIELD PRACTICES AND STANDARU.

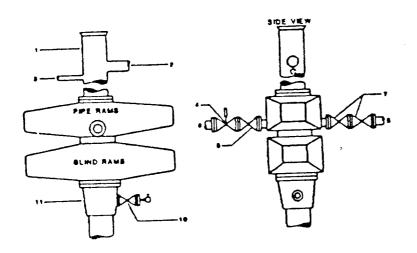
ALTERNATIVE 2



- 1. BELL NIPPLE
- 2. FLOW LINE
- 2 FILLUP LINE
- 4. 2" FE PRESSURE OPERATED CHOKE LINE VALVE
- 8. FE GATE VALVE
- & 2" FE CHOKE LINE TO MANIFOLD
- 7. 2" FE GATE VALVES
- 8. 2" FE KILL LINE 8. DRILLING SPOOL
- 10. 2" SE DA 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



Well Control 4

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- 1. BELL NIPPLE
- 2. FLOW LINE 3. FILL-UP LINE
- 4. 2" FE PRESSURE-OPERATED CHOKE LINE
- VALVE
- 8. 2 FEGATE VALVE
- & 2" FE CHOKE LINE TO MANIFOLD
- 7. 2" FE GATE VALVES
- 1 7 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)