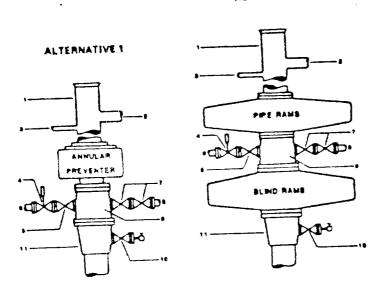
## FIELD PRACTICES AND STANDARD

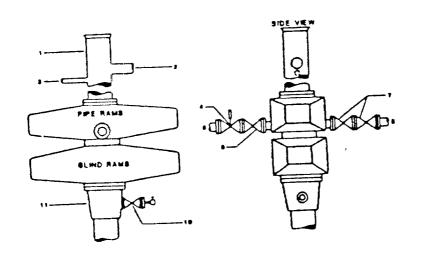
## ALTERNATIVE 2



- 1. BELL NIPPLE
- 2. FLOW LINE
- 1 FILLUP LINE 4. 2" FE PRESSURE OPERATED CHOKE LINE
- VALVE
- 6. 2" FE GATE VALVE
- & 2" FE CHOKE LINE TO MANIFOLD
- 7. T' FE GATE VALVES
- & 2" FE KILL LINE
- 8. DRILLING SPOOL
- 10. 2" SE OR FE GATE VALVE WITH NEEDLE
  - VALVE
- 11. CASING HEAD HOUSING

NOTE. THE DRILLING SMOOL 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. T FE GATE VALVE
- & 2" FE CHOKE LINE TO MANIFOLD
- 7. T 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)