

- 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. 3" FE GATE VALVES
- 8. 2" FE KILL LINE
- 9 DRILLING SPOOL
- 10 2" FE OR SE GATE VALVE WITH NEEDLE VALVE
- 11. CASING HEAD HOUSING
- 12. 2" FE GATE VALVES WITH NEEDLE VALVE
- 13. CASING SPOOL

Figure 7-3. Standard Blowout Preventer Assembly (5 M Working Pressure) Alternative 1

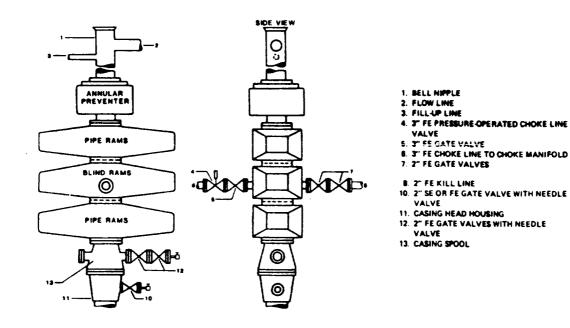


Figure 7-4. Standard Blowout Preventer Assembly (5 M Working Pressure) Alternative 2 (without Drilling Spool)

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PHILLIPS PETROLEUM COMPANY

Well Control 4 January/83

Paulsed 10/28/91

ABOVE DATE DOES NOT INDICATE WHEN CONFIDENTIAL LOGS

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