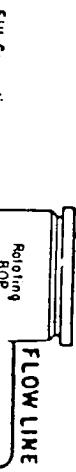


HOBBS DIVISION

CLASS THREE PREVENTER



FLOW LINE

**ANNULAR
PREVENTER**

The blowout preventer shall be supplied up as needed and supported by suitable piping and fittings. The two preventers may be two single or a double type. If only one preventer is used, it will be the annular preventer. All blowout preventers will be supplied with a remote control unit and a pressure gauge. The remote control unit will be located on the floor manifold and remote control device and opened or closed all controls from the operating room. The preventer reduced regulator will be connected to the remote preventer. All lines from the accumulators shall be placed over the floor, the distance to the preventer. The accumulators shall be placed over the floor. The choke manifold and all lines are to be supported by metal stands and securely anchored. The main flow line, relief lines and choke lines shall be as straight as possible and with very sharp turns. The valves and kill line valves and all ram preventors must be equipped with universal joints if needed, and hand wheels which extend beyond the body of the valve to facilitate easy operation from outside the substructure. All other valves shall be equipped with handles.

To FLOOR MANIFOLD

2° Check Valve

EKL to Accumulator

ALL 2° MIN. ON KILL SIDE

CHOKE MANIFOLD

ADJUSTABLE CHOKE

PRESSURE GAUGE

CONNECTION

2" STEEL VALVE

4" STEEL VALVE

TO STEEL PITS

2" BALL VALVES

4" STEEL VALVES

FLANGED STEEL CROSS

2" STEEL VALVE

TO BURN PI

ADJUSTABLE
CHOKE

IF POSSIBLE, CASING SPOOL SHOULD

BE POSITIONED SO THAT THESE
VALVES ARE DIRECTLY UNDER THE
BARREL OF THE RAM PREVENTER

Beyond Edge of Derrick Floor