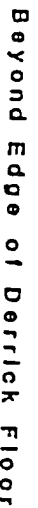
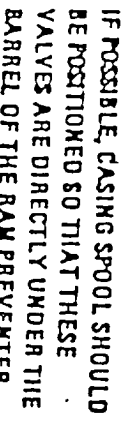


CLASS THREE PREVENTER



The blowout preventer shall be equipped up as needed and a fitting set of drill pipe, tool joint, or an isolation. The seal preventer may be of two different types, one having opening tapered outlets are on the side of the well head they may be used for connecting the choke line and the well line [7]. A set of blind flange bolts and nuts will be on location at all times for all fittings used.

The substitute for both shall be sufficient to install a rotating blowout preventer. The accumulator shall be equipped with two pumps. One shall be powered electrically and the other shall be hydraulic. Each pump shall be capable of lifting three times the nitrogen pressure, see preceding pressure to rated pressure within 1 minute. The minimum accumulator shall be sufficient to provide 100% flowing liquid volume stored in the well. It is required that the accumulator fluid must be obtained directly from the well with its circulating accumulator fluid and accumulator pressure shall be no less than 110% of the casing shoe fluid located on the rig floor, 90 percent of the wellhead.

A remote closing annular located on the rig floor, 90 percent of the wellhead. The closing annular and remote shall have a separate control for each area operationally. The closing annular to be labeled as to device and opened or closed. All controls, a printed circuit, controls are to be installed in the wellhead. A pressure indicator and recording will be provided for the same annular preventer. All lines from the accumulator to the annular will be run along the rig floor, the distance is specified in contact. Hydraulic fluid must meet API-3 specifications.

The choke manifold and all lines are to be supported by steel stands and securely anchored. The choke flow lines, relief lines and choke lines shall be as straight as possible and without sharp turns.

The choke flow line valves and all line valves and all the preventers must be equipped with size annotation, universal joints if needed, and hand wheels which extend beyond the annular. The substitute constructed to facilitate easy operation type outside the substructure. All other valves shall be equipped with handles.