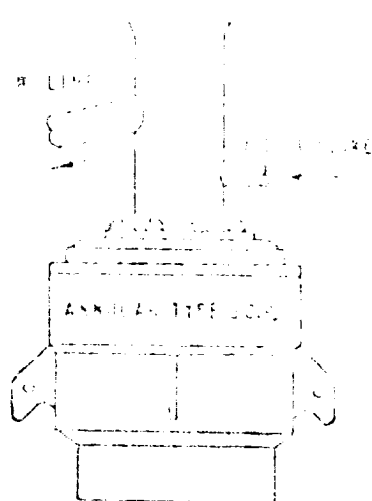
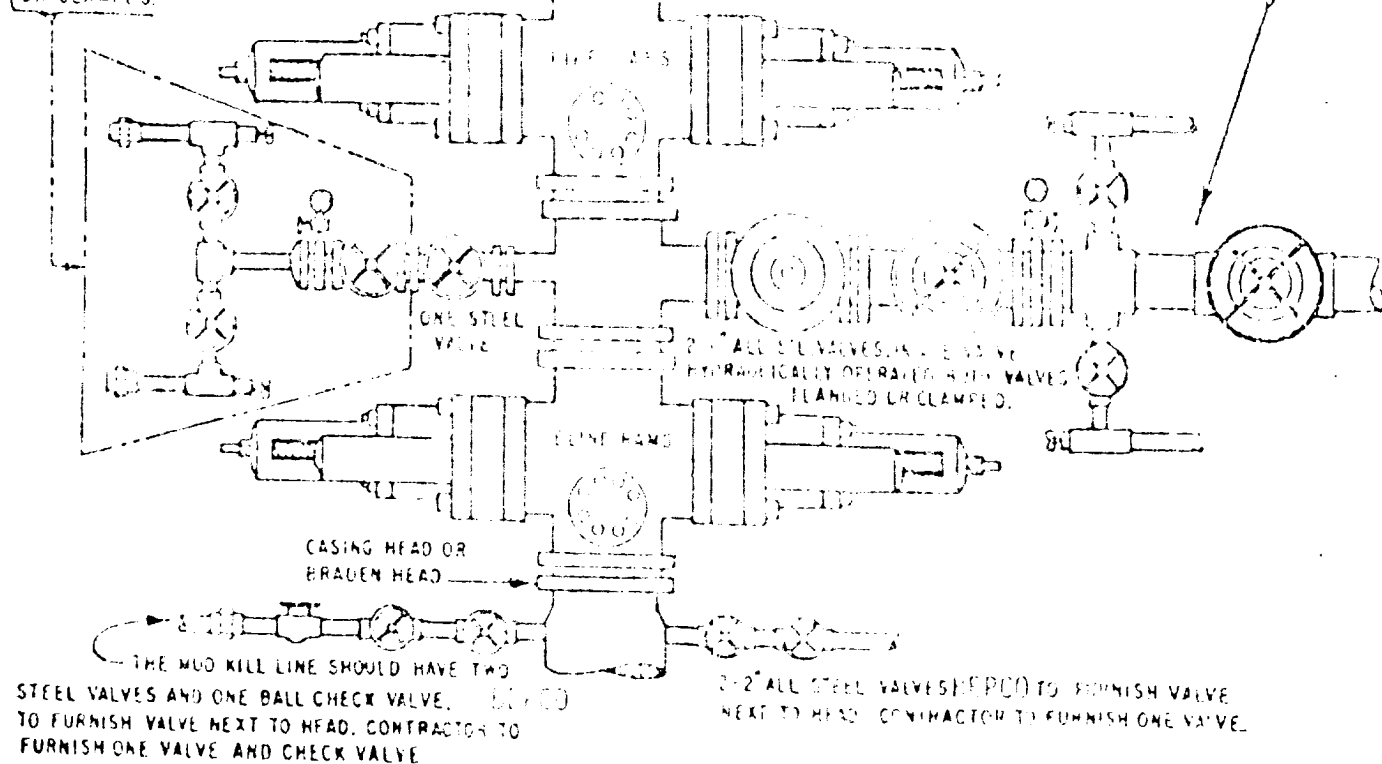




CHUCK VALVE IS TO HAVE AT LEAST ONE LINE LE TO CONTROL EACH CHUCK AND ONE 4" VALVE TO CONTROL DEVIATION OF THE 4" LINE IF LOCATED REMOTELY FROM WELL HEAD. ANOTHER MASTER VALVE SHOULD BE INSTALLED AT THE RELOCATION. ONE CHUCK IS TO BE ADJUSTABLE. THE OTHER MAY BE EITHER ADJUSTABLE OR POSITIVE.



THE FOLLOWING CONSTITUTE MINIMUM BLOWOUT PREVENTER REQUIREMENTS

- REQUIREMENTS
- A. CONDITIONS MAY BE MET BY AN ANNULAR TYPE BLOWOUT PREVENTER WITH A CENTRAL SPIRIG BELOW ANY EITHER
- (1) TWO RAY TYPE BLOWOUT PREVENTERS BELOW THE SPIRIG, THE LOWER UNIT CONTAINING BEARING RINGS AND THE UPPER UNIT CONTAINING PIPE RAYS, OR
- (2) A DUAL BLOWOUT PREVENTER BELOW THE SPIRIG WITH BEARING RINGS IN THE LOWER AND PIPE RAYS ON TOP.
- B. OPENING ON CHOKER SPUD TO BE FLANGED, STUB MUST BE FLANGED.
- C. ALL CONNECTIONS FROM OPERATING HANDLES TO JACKING RAYS TO BE ALL STEEL PIPE NOTING A MINIMUM OF ONE INCH IN DIAMETER.
- D. THE AVAILABLE CLOSING PRESSURE SHALL BE ADEQUATE TO OVERCOME THAT RESISTANCE WITH SUFFICIENT VOLUME TO OPERATE THE B.
- E. ALL CONNECTIONS TO AND FROM PREVENTER TO HANDLES TO BE ADEQUATE TO WITHSTAND THAT OF THE B.
- F. MANUAL CONTROLS TO BE INSTALLED BEHIND THE PREVENTER.
- G. KILLY COCK TO BE INSTALLED IN LINE.
- H. INSIDE BLOWOUT PREVENTER TO BE OPERATED FROM THE SURFACE.
- I. DUAL OPERATING CONTROLS ONE LOCATED ON EACH SIDE OF THE PREVENTER TO MAINTAIN A SAFE DISTANCE FROM THE RIG FLOOR.

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THREE CLOSURE HYDRAULIC BLOWOUT PREVENTERS

3000# WP

2000 # - test 1000000