

ALTERNATE POSITION FOR CHOKER MANIFOLD
MASTER VALVE TO BE FLANGED
OR CLAMPED

CHOKER MANIFOLD TO HAVE AT
LEAST ONE 2" VALVE TO CONTROL
EACH CHOKER AND ONE 4" VALVE TO
CONTROL CONTINUATION OF THE 4"
LINE. IF LOCATED REMOTELY FROM
WELL HEAD, ANOTHER MASTER VAL
SHOULD BE INSTALLED AT THE REI
LOCATION. ONE CHOKER IS TO BE AD
JUSTABLE. THE OTHER MAY BE EITHER
ADJUSTABLE OR POSITIVE.

THE MUD KILL LINE SHOULD HAVE TWO
STEEL VALVES AND ONE BALL CHECK VALVE
TO FURNISH VALVE NEXT TO HEAD. CONTRACTOR TO
FURNISH ONE VALVE AND CHECK VALVE

2" ALL STEEL VALVES BE PCO TO FURNISH VALVE
NEXT TO HEAD. CONTRACTOR TO FURNISH ONE VALVE

THE FOLLOWING CONSTITUTE MINIMUM BLOWOUT PREVENTER REQUIREMENTS

- CONDITIONED BY AN ANNULAR BLOWOUT PREVENTER ON TOP AND A CHOKER SPOOL BELOW AND EITHER
 - (1) TWO RAM TYPE BLOWOUT PREVENTERS BELOW THE SPOOL, THE LOWER UNIT CONTAINING BLIND RAMS AND THE UPPER UNIT CONTAINING PIPE RAMS, OR
 - (2) A DUAL BLOWOUT PREVENTER BELOW THE SPOOL WITH BLIND RAMS ON BOTTOM AND PIPE RAMS ON TOP.
- OPENING ON CHOKER SPOOL TO BE FLANGED, STITCHED OR CLAMPED.
- ALL CONNECTIONS FROM OPERATING MANIFOLD TO PUMP HEADS TO BE ALL STEEL HOSE OR TUBE A MINIMUM OF ONE INCH IN DIAMETER.
- THE FLUID AID CLOSING PRESSURE SHALL BE AT LEAST 500 P.S.I. OR THAT REQUIRED WITH SUFFICIENT VOLUME TO OPERATE THE B O P's.
- ALL CONNECTIONS TO AND FROM BLOWOUT PREVENTER SHALL BE ONE INCH EQUIVALENT TO THAT OF THE B O P's.
- MANUAL CONTROLS TO BE INSTALLED TO BE ONE EIGHT INCH DIAMETER MIN.
- KELLY LOCK TO BE INSTALLED EXTERNALLY.
- INSIDE BLOWOUT PREVENTER SHALL BE A MINIMUM OF 12 INCHES.
- DUAL OPERATING CONTROLS ONE LOCATED AT DOWNHOLE POSITION AND THE OTHER LOCATED A SAFE DISTANCE FROM THE RIG FLOOR.

APPENDIX IV

THREE CLOSURE HYDRAULIC BLOWOUT PREVENTERS