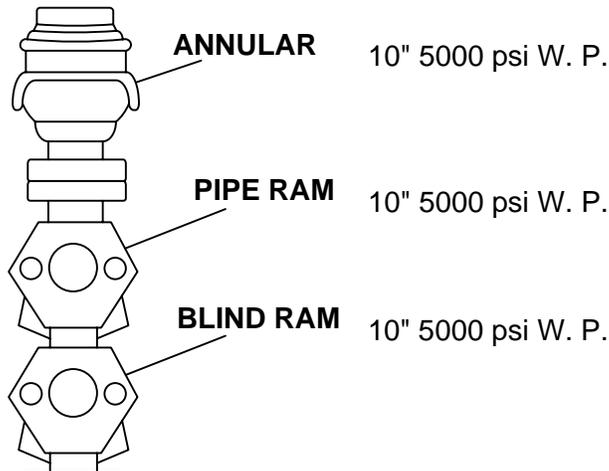


MINIMUM BOP Requirements

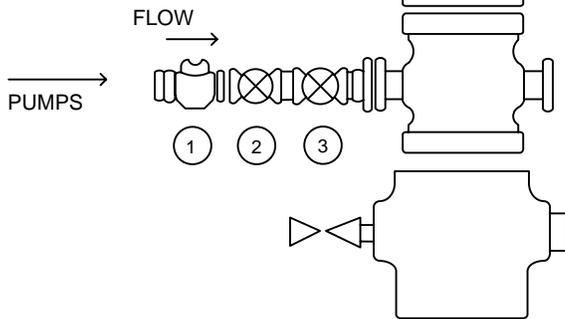
5000 PSI

FILL LINE ABOVE THE UPPERMOST PREVENTER

RAMS MAY BE REVERSED
WITH BLIND RAM ABOVE
PIPE RAM

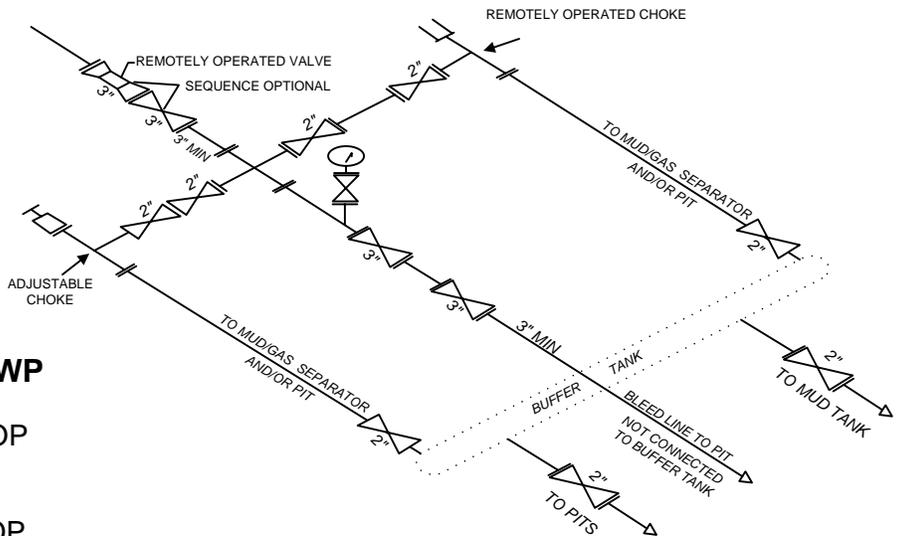


KILL LINE - 2" MIN



CASINGHEAD - 5000 PSI WP

CSG HEAD AND VALVES
5000 PSI W.P.



KILL LINE

5,000 PSI - WP

Valve # 1 - Flanged check valve
Full working pressure of BOP

Valve # 2 & 3 - Flanged, minimum 2" bore
Full working pressure of BOP

5M CHOKE MANIFOLD EQUIPMENT - CONFIGURATION MAY VARY

GENERAL RULES AND RECOMMENDATIONS

All lines to manifold are to be at right angles (90 deg.). No 45 deg. Angles are to be used.
Blind flanges are to be used for blanking.
All studs and nuts are to be installed on all flanges.