



THE FOLLOWING CONSTITUTE MINIMUM BLOWOUT PREVENTER REQUIREMENTS

- Conditions may be met by either (1) an annular blowout preventer on top and blind rams below with a choke spool between them, (2) Pipe rams on top and blind rams below with a choke spool between them, (3) A dual blowout preventer with pipe rams on top and blind rams below with a side outlet between the rams at least four inches diameter.
- Openings between rams to be flanged, studded or clamped.
- All connections from operating manifold to preventers to be all steel hose or tube a minimum of one inch in diameter.
- The available closing pressure shall be at least 15% in excess of that required with sufficient volume to operate (close, open, and re-close) the preventers.
- All connections to and from preventers to have a pressure rating equivalent to that of the BOPs.
- Manual controls to be installed before drilling cement plug.
- Kelly cock to be installed on kelly.
- Inside blowout preventer to be available on rig floor.