pipe rams shall be on location. The ram preventers may be two singles or a double type. If full opening flanged outlets are on the side of the rams, The blowout preventer shall be nippled up as needed and a spare set of drill pipe rams shall be on location. The ram preventers may be two singles or a for all flanges used. then they may be used for connecting the choke line (4") and the kill line A set of spare flange bolts and nuts will be on location at all times

The substructure height shall be sufficient to install a rotating blowout

sufficient to close all pressure operated devices simultaneously within 19 seconds, after closure, the remaining accumulator pressure shall be not pressure within 2 minutes. The minimum nitrogen precharge pressure shall be 750 psi. The pressurized fluid volume stored in the accumulators shall be The accumulator shall be equipped with two pumps. One shall be powered with air, the other will be powered with electricity. Each pump shall be capable of fluid charging the total accumulator from precharge pressure to rated less than 1500 psi with the remaining accumulator fluid volume at lease 50 percent of the original.

away from the rig floor, preventer. All lines from the accumulator to the preventer will be rated to A pressure reducer and regulator will be provided for operating the annular fluid must meet RP-53 specifications. the same pressure rating of the preventer. The closing manifold and remote shall have a separate control for each A remote closing manifold located on the rig floor shall be operational. All controls are to be left in the open position when not in use. Controls are to be labeled as to device and opened the distance is specified in MRDC. The accumulator shall be placed Hydraulic

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

which extend beyond the edge of the substructure constructed to facilitate equipped with stem extension, universal joints if needed, and hand wheels equipped with handles easy operation from outside the substructure. The choke flow line valves and kill line valves and all ram preventers must be All other valves shall be

