



ADDITIONS - DELETIONS - CHANGES
SPECIFY

Hydraulic operating system which is to be a closed system. (2) Accumulators with a precharge of nitrogen of not less than 750 PSI and connected so as to receive the aforementioned fluid charge. With the remaining accumulator pressure still be not less than 1000 PSI with the remaining accumulator fluid volume at least _____ percent of the original. (3) When requested, an additional source of power, driven by a continuous source of power, capable of fluid charging the total accumulator volume from the charging pumps shut down, the pressurized fluid volume stored in the accumulators must be sufficient to close all the pressure-operated devices simultaneously within _____ seconds, after closure. The closing manifold and remote closing manifold shall have a separate control for each pressure-operated device. Controls are to be labeled, with control handles indicating open and closed positions. A pressure reducer and regulator must be provided for operating the Hydrel preventer. When required, a second pressure reducer shall be available to limit operating fluid pressures to non preventer. The closing manifold and remote closing manifold shall have a separate control for each pressure-operated device. Controls are to be labeled, with control handles indicating open and closed positions. A pressure reducer and regulator must be provided for operating the Hydrel preventer. When required, a second pressure reducer shall be available to limit operating fluid pressures to non preventer.

The choke manifold, choke flow line, relief line, and choke lines are to be used as the fluid to operate the hydraulic equipment. The choke manifold, choke flow line, relief line, and choke lines are to be supported by metal stands and adequately anchored. The choke flow line, relief line, and choke lines shall be constructed straight or parallel without sharp bends. Easy and safe access is to be maintained to the choke manifold. If deemed necessary, walkways and stairs shall be erected in and around the choke manifolds. All valves are to be selected for operation in the presence of oil, gas, and drilling fluids. The choke flow line valves and relief line valves connected to the drilling tool and all manifolds must be equipped with stem extensions, universal joints if needed, and hand wheels which are to extend beyond the top of the valve body. A second pressure reducer shall be available to limit operating fluid pressures to ram preventers.