

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 remaining accumulator pressure shall be not less than 1000 PSI with the remaining accumulator fluid valume at least ______ percent of the original. (3) When requested, an additional source of powar, remote and equivalent, is to be available to operate the above pumps; or there shall be additional pumps operated by separate power and equivalent, is to be available to operate the above pumps; or there shall be additional pumps operated by separate power and equal in performance capabilities. nitrogen precharge pressure to its rated pressure within ______ minutes. Also, the pumps are to be connected to the hydraulic operating system which is to be a closed system. (2) Accumulators with a precharge of nitrogen of not less than 730 PSI and connected so as to receive the aforementioned fluid charge. With

Gulf Legion No. 38 hydraulic ail, an equivalent or better, is to be used as the fluid to operate the hydraulic equipment. A pressive reducer and regulator must be provided for operating the Hydril preventer. "Accountering, a second pressure reducer shall be available to limit Specified fluid pressures to tom preventer. The closing menifold and remote closing manifold shall have a separate control for each pressure-operated device. Controls are to be labeled, with control bandles indicating open and closed positions

The choice manifold, choice flow line, relief line, and choice lines are to be supported by metal stands and adequately anchored. The choice flow line, relief line, and choice lines shall be constructed as straight as possible and without sharp bends. Easy and sofe access is to be maintained to the choice manifold. If deemed necessary, wolkways and stairways shall be created in and around the choice manifold. All volves are to be selected for operation in the presence of ail, gas, and drilling fluids. The choice flow line valves and relief line valves connected to the drilling spool and off ram type proventers must be equipped with stem extensions, universal joints if needed, and hand wheels which are to extend beyond the edge of the derick substructure. All other valves are to be equipped proventers must be equipped with stem extensions, universal joints if needed, and hand wheels which are to extend beyond the edge of the derick substructure. All other valves are to be equipped with hendles.

* To include derrick floor mounted controls.