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2000 - 3000 PSI BOP HOOK-UP WORKING PRESSURE

N + 15/4

SPECIFY WORKING PRESSURE

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 to Indicate open and closed positions. A pressure reducer and regulator must be provided for operating the Hydril preventer. When requested, a second pressure reducer shall be evailable to limit operating fluid pressures to ram preventers. Gulf Legion No. 38 hydraulic call, an equivalent or better, is to be used as the fluid to operate the hydraulic equipment.

the charging pumps shut down, the pressurized fluid volume stored in the accumulators shall be sufficient to clase all the pressure-operated devices simultaneously within 19 seconds; after closure, the remaining accumulator pressure shall be not less than 1000 PSI with the remaining accumulator fluid volume at least 50 percent of the original. When requested, either on additional source of power, remote and equivalent, is to be available to operate the above pumps; or there shall be additional pumps operated by separate power and

continuous source of power, capable of fluid charging the total accumulator volume from the nitragen precharge pressure to its raied pressure within \_2\_ 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 nitragen of not less than 750 PSI and connected so so to receive the aforementioned fluid charge. With Minimum operating equipment for the preventers and hydraulically operated valves shall be as fallows: (1) multiple pumps, driven by a

The choke manifold, the choke line the choke lines and the relief lines are to be supported by metal stands and adequately anchored. The choke flow line, relief lines and choke lines shall be constructed as straight as possible and without warp bends. Easy and tale access shall be maintained to the choke manifold. All valves are to be selected for aperation in the presence of oil, gas, and disting spatially shall be equipped with time extensions, universal joints if needed, and wheels which are to extend beyond the edge of the defick substructure. All other valves shall be equipped with handles.

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