

BLOWOUT PREVENTER HOOK-UP 5000 # PSI WORKING PRESSURE

The blowout preventer assembly shall consist of one single type blind ram preventer and one single type pipe ram preventer, both hydraulically operated, a Hydril "GK" preventer; a rotating blowout preventer; valves; chakes and connections, as illustrated. If a toperad drill string is used, a ram preventer must be provided for each size

of drill pipe. Casing and tubing roms to fit the preventers are to be available as needed. If correct in size, the I.D. relief line, except when air or gas drilling. All preventer connections are to be open-face flanged. flanged autlets of the ram proventer may be used for connecting to the 4-inch (.D. choke flow line and 4-inch

Minimum operating equipment for the preventers and hydraulically operated valves shall be as follows: () Multiple

pumps, driven by a continuous source of power, capable of fluid charging the total accumulator volume from the

the charging pumps shut down, the pressurized fluid volume stored in the accumulators must be sufficient to close oil 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 volume at least _____ percent of the original. (3) When requested, an 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 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 750 PSI and connected so as to receive the aforementioned fluid charge. With

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

The choke manifold, chake flow line, relief line, and chake lines are to be supported by metal stands and adequately anchored. The chake flow line, relief line, and chake lines shall be constructed as straight as possible and without sharp bends. Easy and sofe access is to be maintained to the chake manifold. If december accessary, walkways and stainways shall be created in and around the chake manifold. All valves are to be selected for operation in the presence of oil, gas, and drilling fluids. The chake flow line valves and relief line valves connected to the drilling spool and all ram type preventers must be equipped with stem extensions, universal joints if needed, and hand wheels which are to extend beyond the edge of the derrick substructure. All other valves are to be equipped

* To include derrick floor mounted controls.

EP81-2 mont.