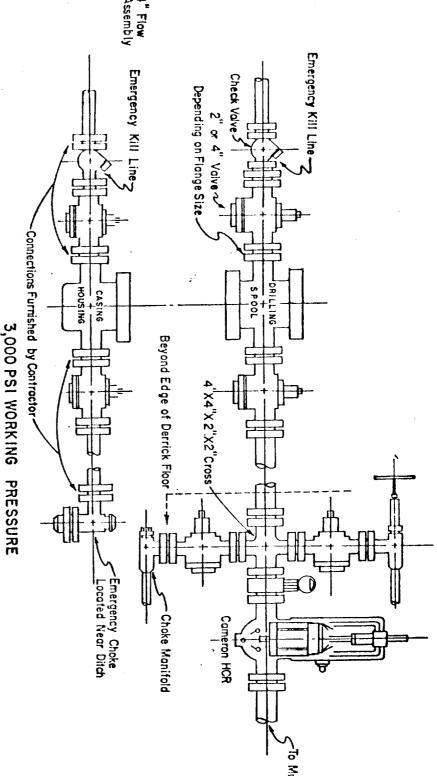


BLOWOUT PREVENTER HOOK- UP 3,000 PSI WORKING PRESSURE

Series 900 Flonges, or Better



KILL, CHOKE, AND FILL CONNECTIONS API Series 900 Flanges or Better

DETAIL OF 4" FLOW LINE CHOKE ASSEMBLY

QRC, Comeron Type F single or Shaffer Hydraulic single, and the upper will be Hydril GK. In lieu of the drilling spool, the flanged outlets from the Comeron Type F single open face flanged preventer, provided the outlets are the correct size, may be used for the four-inch flow line and the two-inch kill line. Minimum assembly for 3000 PSI working pressure will consist of three preventers. The bottom and middle preventers may be Cameron

through 7-5/a-inch casing. Size six-inch preventers are to be used for work through 7-inch and 5-72-inch casings. Size 12-inch preventers may be used for work down through 8-5/s-inch casing. Size 10-inch preventers may be used for work down

able to close all the pressure operated devices at the same time with 25 per cent reserve. Gulf No. 561 hydraulic oil shall be used as the operating fluid. The four-inch flow line from the preventers shall be supported by a metal stand or reinforced concrete. All valves throughout the valve for each pressure operated device and a Hydril regulator will be provided. Sufficient fluid capacity in the accumulator (s) shall be availing a fluid charge. A closed fluid system is recommended. The closing manifold and remote closing manifold will have a separate four-way Minimum operating equipment for the preventers will be : (1) An cir operated pump and (2) An accumulator (s) with some means of obtain

assembly shall be selected for operation in both gas and fluids.

operating wheels The ram type preventers and the Cameron HCR valve will be provided with stem extensions, universal joints, if needed, and