

Disting No. 2

Emergency Kill Line

Cheke Manifold

Check Valve -

CAILLING

to Mud Ditch

Depending on Flange Size

2° or 4° Valve

Emergency Kill Line

Beyond Edge of Derrick Floor

hoke Manifold

"X4"X2"X2"Cro

CVSIN 8

Emergency Choke Located Near Ditch

**Connections** Furnished by Contractor

BLOWOUT PREVENTER HOOK- UP 3,000 PSI WORKING PRESSURE

Series 900 Flonges, or Better

to Gulf's casinghead housing. In lieu of the drilling spool, the flanged outlets of the double Shoffer, the Spoce-Saver or double F, if they are the correct size, and provided the preventers can be installed to meet Gulf's requirements, may be used for the four-inch flow line and the two-inch kill line. below the preventers and the blind rams placed in the upper preventer. With this arrangement it will not be necessary to provide a kill and chake line single or double, Comeron Space-Saver or Shaffer Hydraulic, single or double. If double preventers are provided, the drilling spool shall be placed 7-5/5-inch casing. Size six-inch preventers are to be used for work through 7-inch and 5-1/2-inch casings. Minimum operating equipment for the preventers will be: (1) An air operated pump and (2) An occumulator (s) with some maans d Size 12-inch preventers may be used for work down through 8- s/8-inch cosing. Size 10-inch preventers may be used for work down through

Minimum cssembly for 3000 PSI working pressure will consist of two preventers which may be Cameron CRC, Comeron Type P

DETAIL OF 4 FLOW LINE CHOKE ASSEMBLY

KILL, CHOKE, AND FILL CONNECTIONS

API Series 900 Flonges or Better

3,000 PSI WORKING

PRESSURE

kby volve for each pressure operated device. Suffaient fluid capacity in the accumulator (s) shall be available to close all the pressure obtaining a fluid charge. A closed fluid system is recommended. The closing manifold and remote closing manifold will have a separate four operated devices of the same time with 25 per cent reserve. Gulf No. 551 hydroulic 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

shoud request installation of a rotating type blaxout preventer. The preventers will be provided with stem extensions, universal joints. ossembly shall be selected for operation in both gas and fluids. Sufficient substructure height is to be provided in the event Gulf

if needed, and operating wheels.