MINIMUM CHOKE MANIFOLD ,000, 5,000 and 10,000 PSI Working Pressure

3 MWP - 5 MWP - 10 MWP



MINIMUM REQUIREMENTS 3.000 MWP 5.000 MWP 10.000 MWP NOMINAL RATING I.D. NOMINAL AATING NOMINAL RATING 1.0. 1.D. Na 3-3,000 3″ 5.000 10.000 Line from drilling spool 3* 1 Cross 3"x3"x3"x2" 3,000 5.000 2 Cross 3"x3"x3"x3" 10.000 Valves(1) Gate 3-1/8" 3,000 3-1/8* 5,000 3-1/8* 10,000 3 Plug (2) Gate 🗔 1-13/16* 3,000 1-13/16" 5.000 1-13/16* 10.000 4 Vaive Plug (2) 3,000 2-1/16" 5,000 Valves(1) 2-1/16* 3-1/8" 10,000 4a 3,000 5.000 10,000 Pressure Gauge 5 Gale C 3-1/8* 3.000 3-1/8* 5.000 3-1/8* 10.000 6 Valves Plug (2) 3,000 Adjustable Choke(3) 2* 2-5.000 2-10,000 7 3.000 1" 1-5,000 2" 10,000 8 Adjustable Choke 3-3,000 5,000 3" 10,000 3-9 Line 2* 3.000 2. 5,000 3-10,000 10 Line Gate 🛛 3-1/8* 3.000 3-1/8* 5.000 3-1/87 10,000 11 Valves Plug (2) 1,000 12 Lines 3-3-1.000 3" 2.000 3-1.000 3. 1.000 3-2.000 13 Lines Remote reading compound 3.000 5,000 10,000 14 standpipe pressure gauge 2'x5' 2'x5' 15 Gas Separator 2'x5' 4-1,000 4" 1.000 4. 2,000 16 Line Gate 🛛 3-1/8" 3,000 3-1/8" 17 Valves 5,000 3-1/8* 10,000 Plug (2)

(1) Only one required in Class 3M.

(2) Gate valves only shall be used for Class 10M.

(3) Remote operated hydraulic choke required on 5,000 psi and 10,000 psi for drilling.

EQUIPMENT SPECIFICATIONS AND INSTALLATION INSTRUCTIONS

- 1. All connections in choke manifold shall be welded, studded, flanged or Cameron clamp of comparable rating.
- 2. All flanges shall be API 6B or 6BX and ring gaskets shall be API RX or BX. Use only BX for 10 MWP.
- 3. All lines shall be securely anchored.
- 4. Chokes shall be equipped with tungsten carbide seats and needles, and replacements shall be available.
- 5. Choke manifold pressure and standpipe pressure gauges shall be available at the choke manifold to assist in regulating chokes. As an alternate with automatic chokes, a choke manifold pressure gauge shall be located on the rig floor in conjunction with the standpipe pressure gauge.
- Line from drilling spool to choke manifold should be as straight as possible. Lines downstream from chokes shall make turns by large bends or 90° bends using buil plugged tees.

7. Discharge lines from chokes, choke bypass and from top of gas separator should vent as far as practical from the welt.