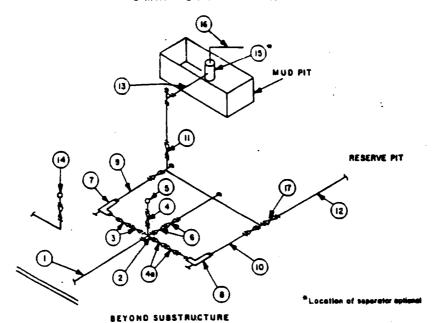
## MINIMUM CHOKE MANIFOLD 3,000, 5,000 and 10,000 PSI Working Pressure

## 3 MWP - 5 MWP - 10 MWP



			MINII	MUM REQU	IREMENTS	<u> </u>				
		3,000 MWP			5,000 MWP			10,000 MWP		
No.		I.D.	NOMINAL	RATING	I.D.	NOMINAL	RATING	I.D.	NOMINAL	RATING
1	Line from drilling speel		3"	3,000		3*	5,000		3"	10,000
÷	Cross 3"x3"x3"x2"			3.000			- 5,000			
2	Cross 3"x3"x3"x3"									10,000
3	Valves(1) Gate □ Plug □(2)	3-1/8"		3,000	3-1/6"		5,000	3-1/8"		10,000
4	Valve Gate (2)	1-13/16*		3,000	1-13/16*		5,000	1-13/16*		10,000
48	Valves(1)	2-1/16"		3,000	2-1/16*	<u>L</u>	5,000	3-1/8"	1	10,000
5	Pressure Gauge			3,000		<u> </u>	5,000			10,000
6	Valves Gate □ Plug □(2)	3-1/6"		3,000	3-1/8"		5.000	3-1/6*		10,000
7	Adjustable Choke(3)	2.		3,000	2*		5,000	2"		10,000
8	Adjustable Choke	1°		3,000	1.		5,000	2"		10,000
-	Line		3"	3,000		3*	5,000	1	3*	10.000
10	Line		2*	3,000		2°	5,000		3-	10,000
11	Valves Gate ☐ Plug ☐(2)	3-1/8"		3,000	3-1/8"		5,000	3-1/8"		10,000
12	Lines		3*	1,000		3.	1,000		3"	2,000
13	Lines		3"	1,000		3"	1,000	·	3°	2,000
14	Remote reading compound standpipe pressure gauge			3,000			5,000			10,000
15	Gas Separator		2'x5'	<u> </u>		2'x5'			2'x5'	
16	Line		4"	1,000		4"	1,000	<u> </u>	4"	2,000
17	Valves Gate □ Plug □(2)	3-1/8"		3,000	3-1 <b>/8</b> *		5,000	3-1/8"		10.000

- (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.
- 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.
- 6. 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 bull plugged tees.