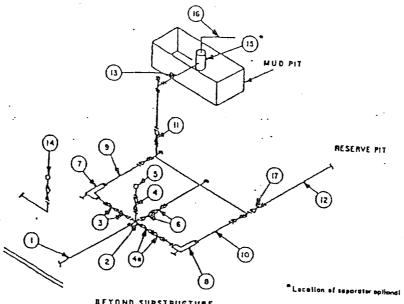
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	T				JIREMENT.	S				
		ļ	J,000 MWP		5,000 MWP			10,000 MWP		
No.	11 1 4-20:	1.D.	NOMINAL	RATING	1.D.	NOMINAL	RATING	I.D.	NOMINAL	BATIN
<u> </u>	Line from drilling spool		3-	3,000	ļ	3*	5,000		3.	10.00
. 2	Cross 3"x3"x3"x2"			3,000			5,000		-	10.65
	Crass 3"x3"x3"x3"							 		
3	Valves(1) Gale □ Plug □(2)	3-1/8~		C00,E	3-1/8*		5,000	3-1/8-		10,00
4	Valve Gate □ Plug □(2)	1-13/16*		3,000	1-13/16*		5,000	1-13/16*		10,000
42	Vaives(1)	2-1/15"		3,000	2-1/16*		5,000	3-1/8"		
5	Pressure Gauge			3,000			5.000	31/18	 -	10,000
6	Valves Gate □ Plug □(2)	3-1/8-		3,000	3-1/8*		5,000	3-1/8*		10,000
7	Adjustable Choke(3)	2*		3,000	2*	 	5,000			10,000
8	Adjustable Choke	1-		3,000		 		2.		10,000
9	Line	1	, 3-	3,000		3-	5,000	Ζ*		10,00
10	Line		2-	3,000			5,000		3-	10,000
	Gate []			3,000		2.	5,000		3"	. 10,000
11	Valves Plug □(2)	3-1/6*		3,000	3-1/8*		5,000	3-1/8"		10,000
12	Lines		3-	1,000		3-	1.000		3*	
13	Lines	<u></u>	3.	1,000		3-	1.000		3.	2,000
14	Remote reading compound standpipe pressure gauge			3,000			5,000	·	-3-	2,000
15	Gas Separator		2'x5'			2'x5'				10,000
16	Line	1	4"	1,000		4*	1.000		2'x5'	
.,	Gate []	1					1,000		4"	2,000
17	Valves Plug □(2)	3-1/8"		3,000	3-1/8"		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 58 or 68X 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.
- 6. Line from drilling spool to choke manifold should be as straight as possible. Lines downstream from chokes shall make lurns by large bends or 90° bends using bull plugged toos.
- 7. Discharge lines from chokes, choke bypass and from top of gas separator should vent as far as practical from the well.