

MINIMUM CHOKE MANIFOLD EQUIPMENT REQUIREMENTS
(ATTACHMENT NO. _____ TO BID SHEET AND WELL SPECIFICATIONS)

3000 PSI WORKING PRESSURE

TO BE INSTALLED AFTER SETTING 8 5/8 INCH CASING

Contractor or Pzl to furnish items checked (X). See attached drawing.

No.	Item	Min. Size	Type	Press. Rating	Furnished By	
					Contr.	Pzl.
1.	Choke Line from BOP stock (same as Item No. 13 on Attachment 2)	2"	Weld or Flanged	3000	X	
2.	4 Way Cross, in. x in. x in. x in.	2"	Flanged	3000	X	
3.	Gate Valve	1 13/16"	Flanged	3000	X	
4.	Pressure Sensor					
5.	Pressure Gauge	1"	Threaded	3000	X	
6.	Gate Valve	2"	Flanged	3000	X	
7.	Gate Valve	2"	Flanged	3000	X	
8.	Gate Valve	2"	Flanged	3000	X	
9.	Tee x in. x in. x in.					
10.	Way Cross, in. x in. x in. x in.					
11.	Adjustable Choke	2"	Flanged	3000	X	
12.	Positive Choke	2"	Flanged	3000	X	
13.	Hydraulically Operated Choke					
14.	Forged Extension Spool					
15.	Hydraulically Operated Gate Valve					
16.	Hydraulically Operated Gate Valve					
17.	Line to Low Pressure Header	2"	Weld or Thread	1000	X	
18.	Line to Low Pressure Header	2"	Weld or Thread	1000	X	
19.	Line to Burn Pit	2"	Weld or Thread	1000	X	
20.	Line to Burn Pit	2"	Weld or Thread	1000	X	
21.	Line to Reserve Pit	2"	Weld or Thread	1000	X	
22.	Line to Mud Pit	2"	Weld or Thread	1000	X	
23.	Line to Mud/Gas Separator					
24.	Header					
25.	Header					
26.	Gate Valve	2"	Flanged	1000		X
27.	Gate Valve	2"	Flanged	1000		X
28.	Gate Valve	2"	Flanged	1000		X
29.	Gate Valve	2"	Flanged	1000		X
30.	Gate Valve					
31.	Gate Valve					
32.	Base for Choke Manifold					
33.	Block Tee, in. x in. x in. x					
34.	Tee 2 in. x 2 in. x 2 in. x	2"	Flanged	1000		X
35.	Tee 2 in. x 2 in. x 2 in. x	2"	Flanged	1000		X
36.	Operating Consoles for Hydraulic Choke					
37.	Line to Low Pressure Header					
38.	Line to Reserve Pit					
39.	Line to Mud/Gas Separator					
40.	Line to Mud/Gas Separator					
41.	Line to Burn Pit					
42.	Forged Extension Spool					
43.	Way Cross, in. x in. x in. x in. x					
44.	Gate Valve					
45.	Gate Valve					
46.	Gate Valve					

Line size to be inside diameter.

Valve, Spools and preventers to be bore dimension.

Header size to be outside diameter.