

CHECK LIST AND DRAWINGS (ATTACHED)
 MINIMUM BLOWOUT PREVENTER EQUIPMENT REQUIREMENTS
 (ATTACHMENT NO. 2 TO BID SHEET AND WELL SPECIFICATIONS)
5000 PSI WORKING PRESSURE
 TO BE INSTALLED AFTER SETTING 8-5/8 INCH CASING

ATTACHMENT NO. :
 (See Section 4)
 Page 1 of 1

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

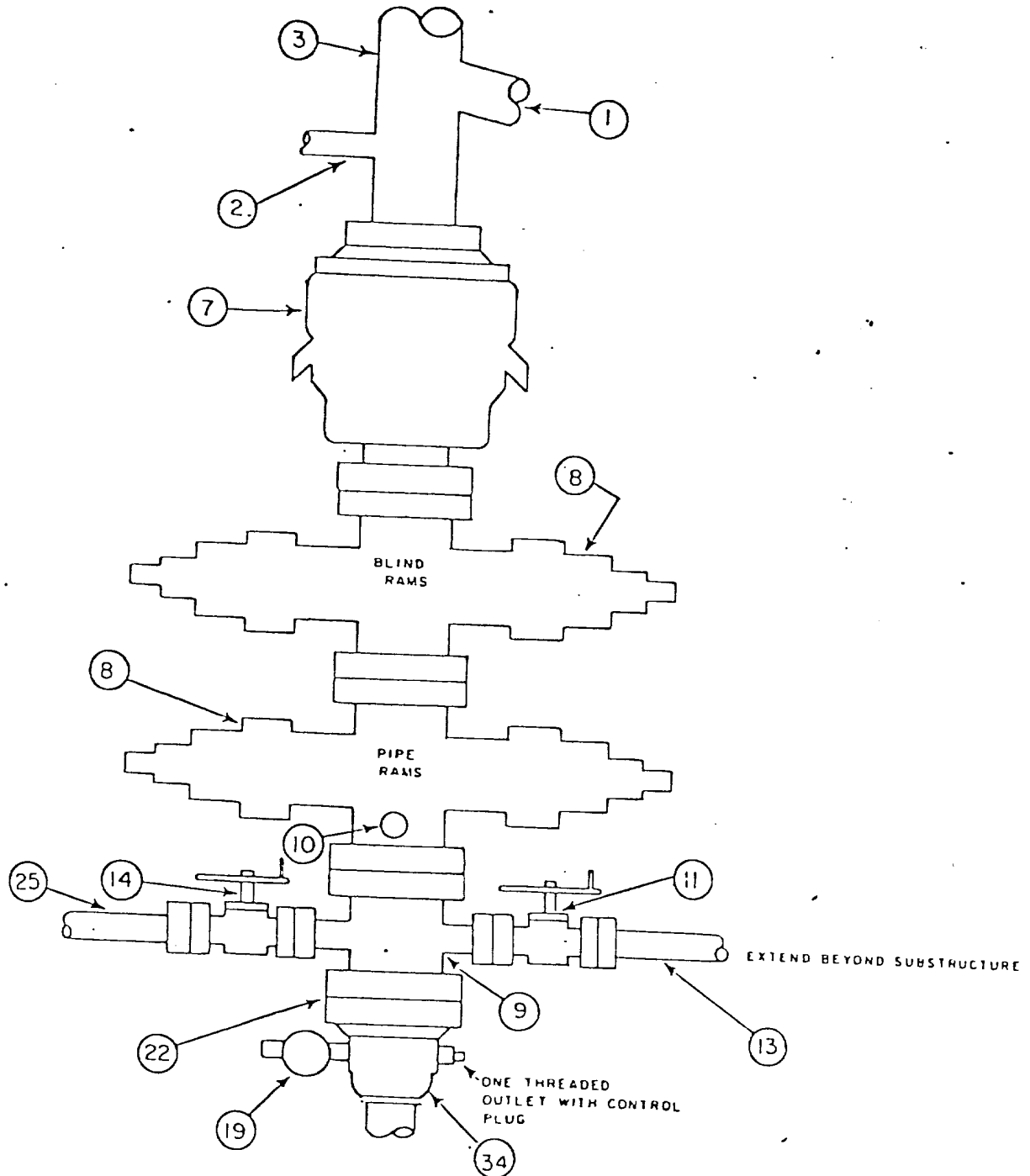
No.	Item	Min. Size *	Type	Press. Rating	Furnished By	
					Contr.	Pzl.
1.	Flow Line	8"	Weld	125	X	
2.	Fill Up Line	2"	Thd or Weld	125	X	
3.	Bell Nipple	8"	Weld	125	X	
4.	Rotating Head					
5.	Hydraulically Operated Gate Valve					
6.	Blooe Line					
7.	Bag Preventer	8"	Flange	5000	X	
8.	Hydraulically Operated Ram Preventer or Rotating Head					
9.	Drilling Spool with <u>2</u> in. and <u>2</u> in. Side Outlets	8"	Flange	5000	X	
10.	Preventer Side Outlets, <u>2</u> in. and <u>2</u> in. Use as alternate to No. 9 above.	8"	Flange	5000	X	
11.	Gate Valve	2"	Flange	5000	X	
12.	Hydraulically Operated Gate Valve					
13.	Line to Choke Manifold	2"	Flange	5000	X	
14.	Gate Valve	2"	Flange	5000	X	
15.	Hydraulically Operated Gate Valve					
16.	Check Valve					
17.	Drilling Spool with _____ in. and _____ in. side outlets					
18.	Preventer Side Outlets _____ in. and _____ in. Use as alternate to No. 17 above.					
19.	Gate Valve	2"	Flange	5000		X
20.	Hydraulically Operated Gate Valve					
21.	Relief Line					
22.	Wear Flange or Bushing	N/A				
23.	Kill Line to accessible location approx. _____ ft. from rig.					
24.	Gate Valve					
25.	Kill Line to rig pump manifold	2"	Flange	5000	X	
26.	_____ Way Cross, _____ in. x _____ in. x _____ in. x in.					
27.	Tee, _____ in. x _____ in. x _____ in.					
28.	Half Union					
29.	Casing Spool					
30.	Gate Valve					
31.	Casing Spool					
32.	Gate Valve					
33.	Pressure Gauge					
34.	Casing Head	8"	Flange	5000		X
35.	Gate Valve					
36.	Gate Valve					

* Line sizes to be inside diameter.

Valves, spools and preventer sizes to be bore dimension.

PENNZOIL COMPANY
 Eddy 21 Fed. "Com." No. 1
 White City Penn. Gas Field
 1650 FNL & 1650 FWL
 Section 21, T24S, R26E
 Eddy County, N.M.

Pennzoil Company



CHECKLIST AND DRAWING
MINIMUM CHOKE MANIFOLD EQUIPMENT REQUIREMENTS
(ATTACHMENT 3 TO BID SHEET AND WELL SPECIFICATIONS)

5000 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 stack (same as Item No. 13 on Attachment 2)	2	Weld or Flge	5000	X	
2	Way Cross, 2 in. x 2 in. x 2 in. x 2 in.	2	Flge	5000	X	
3	Gate Valve	1 13/16"	Flge	5000	X	
4	Pressure Sensor					
5	Pressure Gauge	1	Thd	5000	X	
6	Gate Valve	2	Flge	5000	X	
7	Gate Valve	2	Flge	5000	X	
8	Gate Valve	2	Flge	5000	X	
9	Way Cross, in. x in. x in. x in.					
10	Way Cross, in. x in. x in. x in.					
11	Adjustable Choke	2	Flge	5000	X	
12	Positive Choke	2	Flge	5000	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	Welded	1000	X	
18	Line to Low Pressure Header	2	" "	1000	X	
19	Line to Burn Pit	2	Weld on Thd	1000	X	
20	Line to Burn Pit	2	Welded	1000	X	
21	Line to Reserve Pit	2	Weld on Thd	1000	X	
22	Line to Mud Pit	2	Weld on Thd	1000	X	
23	Line to Mud Gas Separator					
24	Header					
25	Header					
26	Gate Valve	2	Flge	1000		X
27	Gate Valve	2	Flge	1000		X
28	Gate Valve	2	Flge	1000		X
29	Gate Valve	2	Flge	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.	2	Flge	1000		X
35	Tee 2 in. x 2 in. x 2 in.	2	Flge	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.					
44	Gate Valve					
45	Gate Valve					
46	Gate Valve					

*Line sizes to be inside diameter.
Valves, spools and preventer sizes to be bore dimension.
Header size to be outside diameter.