

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

30-02529760

Form C-101
Revised 10-1-78

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LAND OFFICE	
OPERATOR	

5A. Indicate Type of Lease
STATE ☐ FEE ☒
5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL ☒ DEEPEN ☐ PLUG BACK ☐			7. Unit Agreement Name		
b. Type of Well OIL WELL ☒ GAS WELL ☐ OTHER ☐			8. Farm or Lease Name Pennzoil Meyers		
2. Name of Operator Pennzoil Company			9. Well No. 1		
3. Address of Operator P. O. Drawer 1828, Midland, Texas 79702 - 1828			10. Field and Pool, or Wildcat Shipp Strawn		
4. Location of Well UNIT LETTER <u>D</u> LOCATED <u>660</u> FEET FROM THE <u>North</u> LINE AND <u>810</u> FEET FROM THE <u>West</u> LINE OF SEC. <u>3</u> TWP. <u>17-S</u> RCE. <u>37-E</u> NMPM			12. County Lea		
19. Proposed Depth 11,500'			19A. Formation Strawn		20. Rotary or C.T. Rotary
1. Elevations (Show whether DF, KT, etc.) 3771.5 GL		21A. Kind & Status Plug. Bond Blanket	21B. Drilling Contractor Unknown		22. Approx. Date Work will start 10-7-86

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17-1/2	13-3/8	48	400	420	Surface
11	8-5/8	28	4250	1340	Surface
7-7/8	5-1/2	17	11,400	1640	5300'

BOP AS PER ATTACHED DIAGRAM

Permit Expires 6 Months From Approval
Date Unless Drilling Underway.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Signed Mark Shumway Title Engineer Date 9-12-86

(This space for State Use)

ORIGINAL SIGNED BY: TERRY SEXTON

APPROVED BY DISTRICT 1 SUPERVISOR TITLE DATE SEP 15 1986

CONDITIONS OF APPROVAL, IF ANY:

K LIST AND DRAWINGS (ATTACHED
MINIMUM BLOWOUT PREVENTER EQUIPMENT REQUIREMENTS
(ATTACHMENT TO BID SHEET AND WELL SPECIFICATIONS)
3000 PSI WORKING PRESSURE
TO BE INSTALLED AFTER SETTING 13 3/8 INCH CASING

EXHIBIT F

Page 1 of 3

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

No.	Item	Min. Size *	Type	Press. Rating	Furnished By	
					Const.	Pz.
1.	Flow Line	8"	Weld	125	y	
2.	Fill Up Line	2"	Thd or Weld	125	y	
3.	Bell Nipple	12"	Weld	125	y	
4.	Rotating Head					
5.	Hydraulically Operated Gate Valve					
6.	Bloose Line					
7.	Bag Preventer	12"	Flanged	3000	y	
8.	Hydraulically Operated Ram Preventer					
9.	Drilling Spool with <u>2</u> in. and <u>2</u> in. Side Outlets	12"	Flanged	3000	y	
10.	Preventer Side Outlets, <u>2</u> in. and <u>2</u> in. Use as alternate to No. 9 above.					
11.	Gate Valve	2"	Flanged	3000	y	
12.	Hydraulically Operated Gate Valve					
13.	Line to Choke Manifold	2"	Flanged	3000	y	
14.	Gate Valve	2"	Flanged	3000	y	
15.	Hydraulically Operated Gate Valve					
16.	Check Valve					
17.	Drilling Spool with <u>2</u> in. and <u>2</u> in. side outlets					
18.	Preventer Side Outlets <u>2</u> in. and <u>2</u> in. Use as alternate to No. 17 above.					
19.	Gate Valve					
20.	Hydraulically Operated Gate Valve					
21.	Relief Line					
22.	Wear Flange or Bushing FOR 12 3/4" CSG.	12"	Threaded	3000	x	
23.	Kill Line to accessible location approx. <u>5</u> ft. from rig.					
24.	Gate Valve					
25.	Kill Line to rig pump manifold	2"	Flanged	3000	y	
26.	Wye Cross, <u>2</u> in. x <u>2</u> in. x <u>2</u> in. x in.					
27.	Tee, <u>2</u> in. x <u>2</u> in. x <u>2</u> in.					
28.	Half Union					
29.	Casing Spool					
30.	Gate Valve					
31.	Casing Spool					
32.	Gate Valve					
33.	Pressure Gauge					
34.	Casing Head					
35.	Gate Valve					
36.	Gate Valve					

* Line sizes to be inside diameter.

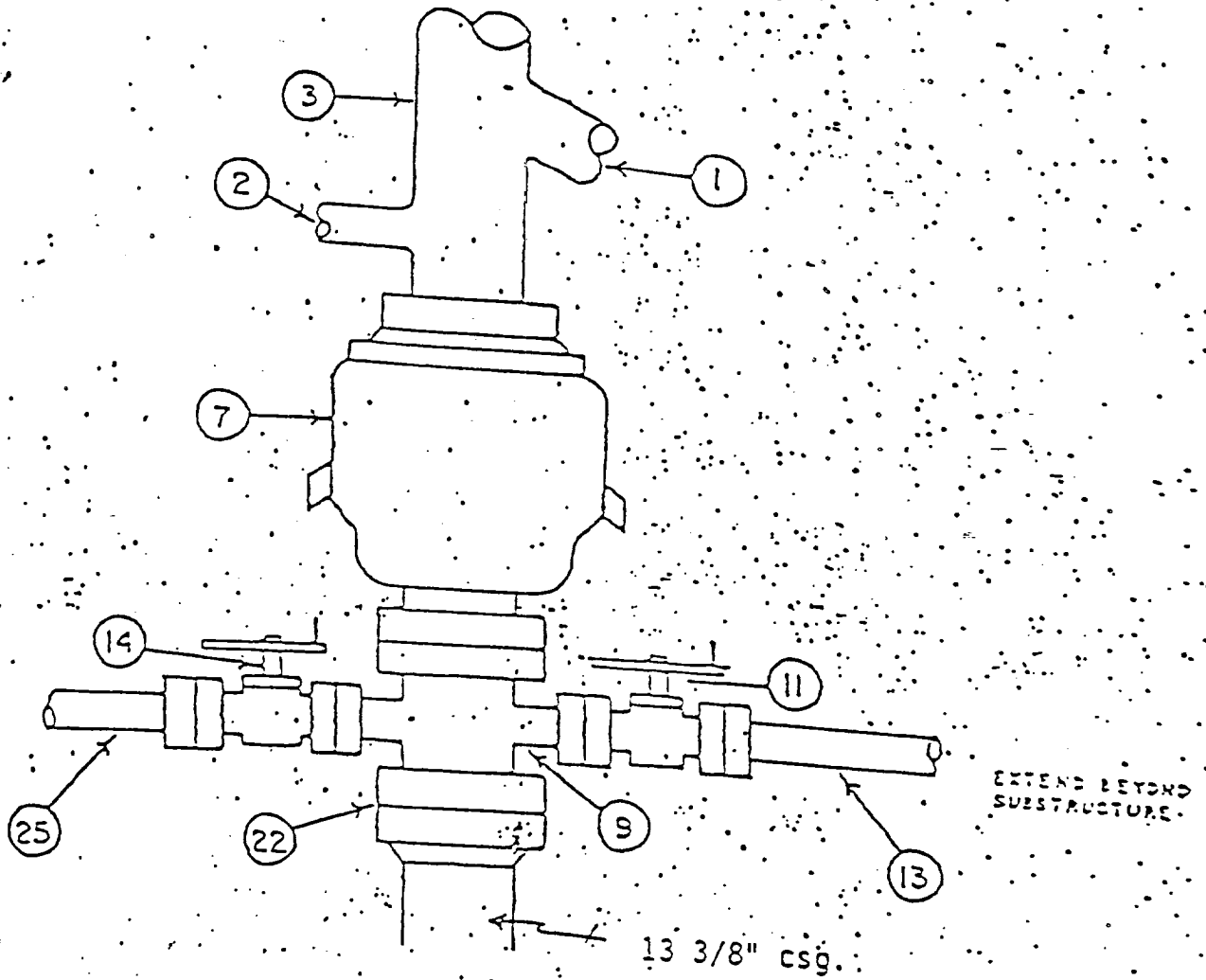
Valves, spools and preventer sizes to be bore dimension.

ITEM	Furnished By
Automatic Accumulator and Master Control. See below for details.	
Remote set of closing unit controls with 2 stations	
Bog Preventer Pressure Regulating Control Valve on remote station	
Kelly Cocks: Upper - Make _____ Press. Rating 5000 FULL OPENING	
Lower - Make _____ Press. Rating 5000 " "	
Inside Blowout Preventer: Gray/Shaffer _____ PSI WP	
Drop-In (Hydril) _____ PSI WP	
Full Opening Ball Valve for each size drill pipe in use (Extrd Lower Kelly Valves) 5000 PSI WP FULL OPENING	
Circulating Head for each type and size of tool joint in use	
Ft. of 2 in. steel hose (Chickson) _____ PSI WP	
Blind/Shear Ram	

ACCUMULATOR AND MASTER CONTROL SPECIFICATIONS REQUIREMENTS CHECKED (X) SHALL APPLY

X	ITEM
X	Accumulator Volume 80 gal., 3000 PSI WP Unit
X	Power for Pumps: Air _____ X Air and Electric _____
X	Pumps Capacity SUFFICIENT CAPACITY TO RECHARGE COMPLETE UNIT IN 6 MINUTES. Gal/Min at PSI
X	Number of Control Valves Required 3
X	Pressure Regulator Valve to control pressure on bog preventer
X	Control Valves on both Master and Remote Control properly labeled with name of respective function and open and closed clearly marked.
X	Blind Ram control on both Master and Remote Control protected to avoid accidental activation. These control handles are not to be locked in position, however, as this could prevent activation from the remote station.
X	Hydraulic Lines from Accumulator to Hydraulic Device to be 0.9 inch minimum ID and have 5000 psi minimum working pressure.
X	Pressure Gauges showing accumulator pressure, manifold pressure, pressure on bog preventer and air supply pressure on both master and remote control stations.
X	Bottled Nitrogen _____ Bottles _____ ft ³ each at _____ psi manifolded to by-pass accumulator and operate BOP directly.

Pennzoil Company



CH LIST AND DRAWINGS (ATTACHED)
 MINIMUM BLOWOUT PREVENTER EQUIPMENT REQUIREMENTS
 (ATTACHMENT TO BID SHEET AND WELL SPECIFICATIONS)
5000 PSI WORKING PRESSURE
 TO BE INSTALLED AFTER SETTING 8.5/8 INCH CASING

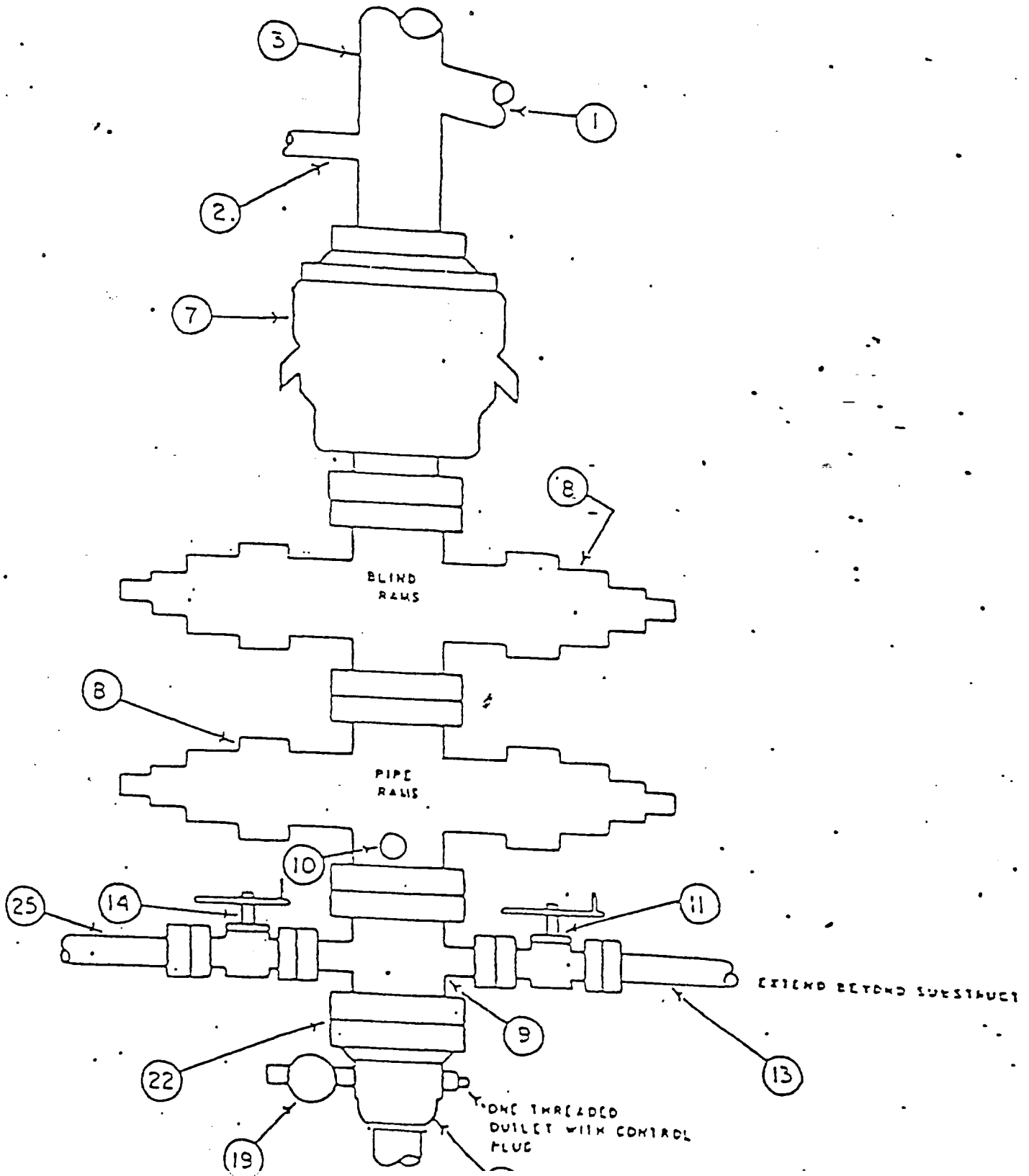
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Contractor or P&L to furnish items checked (X). See attached drawing.

No.	Item	Min. Size	Type	Press. Rating	Furnished By	
					Contr.	P&L
1.	Flow Line	8"	Weld	125	X	
2.	Fill Up Line	2"	1" or 1.5" Weld	125	Y	
3.	Well Neck	8"	Weld	125	Y	
4.	Rotating Head					
5.	Hydraulically Operated Gate Valve					
6.	Scopie Line					
7.	Bag Preventer	8"	Flange	5000	Y	
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	Y	
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	Y	
14.	Gate Valve	2"	Flange	5000	X	
15.	Hydraulically Operated Gate Valve					
16.	Check Valve					
17.	Drilling Spool with <u> </u> in. and <u> </u> in. side outlets					
18.	Preventer Side Outlets <u> </u> in. and <u> </u> 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. <u> </u> ft. from rig.					
24.	Gate Valve					
25.	Kill Line to rig pump manifold	2"	Flange	5000	X	
26.	<u> </u> Way Cross, <u> </u> in. x <u> </u> in. x <u> </u> in. x <u> </u> in.					
27.	Tee, <u> </u> in. x <u> </u> in. x <u> </u> 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.



1. All connections on the BOP shall be flanged or bolted ring clamp - comparable rating.
2. All flanges to be API 6B or 602 and ring gaskets shall be API RX or BX.
3. All drilling spools are to be forged steel construction. Spools constructed from pipe are not acceptable.
4. The fill-up line shall not be connected to any side outlet below the uppermost preventer.
5. Replacement ports for the BOP equipment shall be obtained from the original manufacturer.
6. BOP stock shall be properly braced to rig substructure by turnbuckled lines or rods.
7. Connections on the kill line, choke lines and choke manifold:
 - ☒ May be threaded, welded, flanged or bolted ring clamp.
 - ☐ Shall be either flanged or bolted ring clamp of comparable rating.
8. All gate valves must be equipped with hand wheels.
9. Choke and kill lines are to be seamless steel pipe having a minimum working pressure that is based on 80% of the API minimum internal yield pressure rating of that pipe.
10. The kill line shall not be used as a fill-up line.
11. All choke lines must be as straight as possible with no abrupt bends or turns.
12. All choke lines are to be securely anchored.
13. Steel hose (chicksons) are not to be used in any part of the choke manifold.
14. The accumulator unit and master set of controls shall be located at ground level, a minimum of 75 ft. from the well bore. The remote set of controls is to be located near the driller's position on the rig floor.
15. All hydraulic lines between the accumulator and any hydraulically operated device shall be of seamless steel pipe and swing joints. Rubber hoses are not permitted. Short lengths of high pressure hose are permitted in lines connecting the remote station to the valve actuating cylinders on the master control unit.
16. Housing and heating should be provided for accumulator, blowout preventers and choke manifold where conditions warrant.
17. All drill string blowout prevention equipment must be maintained in good operating condition and stored in an orderly condition on the rig floor.
18. Operating wrenches for the drill string BOP equipment are to be kept in full view near the driller's position.
19. Contractor to make no connection to casing head side outlets except by orders of Pzl.
20. Keep on rig: (a) One spare set of pipe rams, complete with packing rubbers for each size of drill pipe in use.
(b) Replacement ports for all manual adjustable chokes along with the necessary tools for changing ports.
21. When a rotating head is in use on the BOP stock, dresser sleeve connections in the flowline are not permitted.
22. Hand wheels and extensions (outside the substructure) shall be installed for operating the locking screws on all ram preventers and hydraulically operated gate valves on the choke and kill lines. If the installation of these extensions create a safety hazard or for some unavoidable reason cannot be properly installed, a hand crank or wrench should be readily available to operate the locking screws.
23. When a wear bushing is required, only the lock-in type shall be used.
24. Water lines and valves shall be connected and ready for use on all internal combustion engine exhausts.
25. The cellar is to be kept jettied and the preventer stock and choke manifold washed down at all times.
26. All valves are to be lubricated at regular intervals.
27. All valves are to be clearly identified as being open or closed.
28. Proper alignment of the rig with the center line of the BOP stock and casing shall be maintained at all times.
29. All flange bolts on the stock, kill line and choke manifold should be tightened at least once each week.

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

5000 PSI WORKING PRESSURE

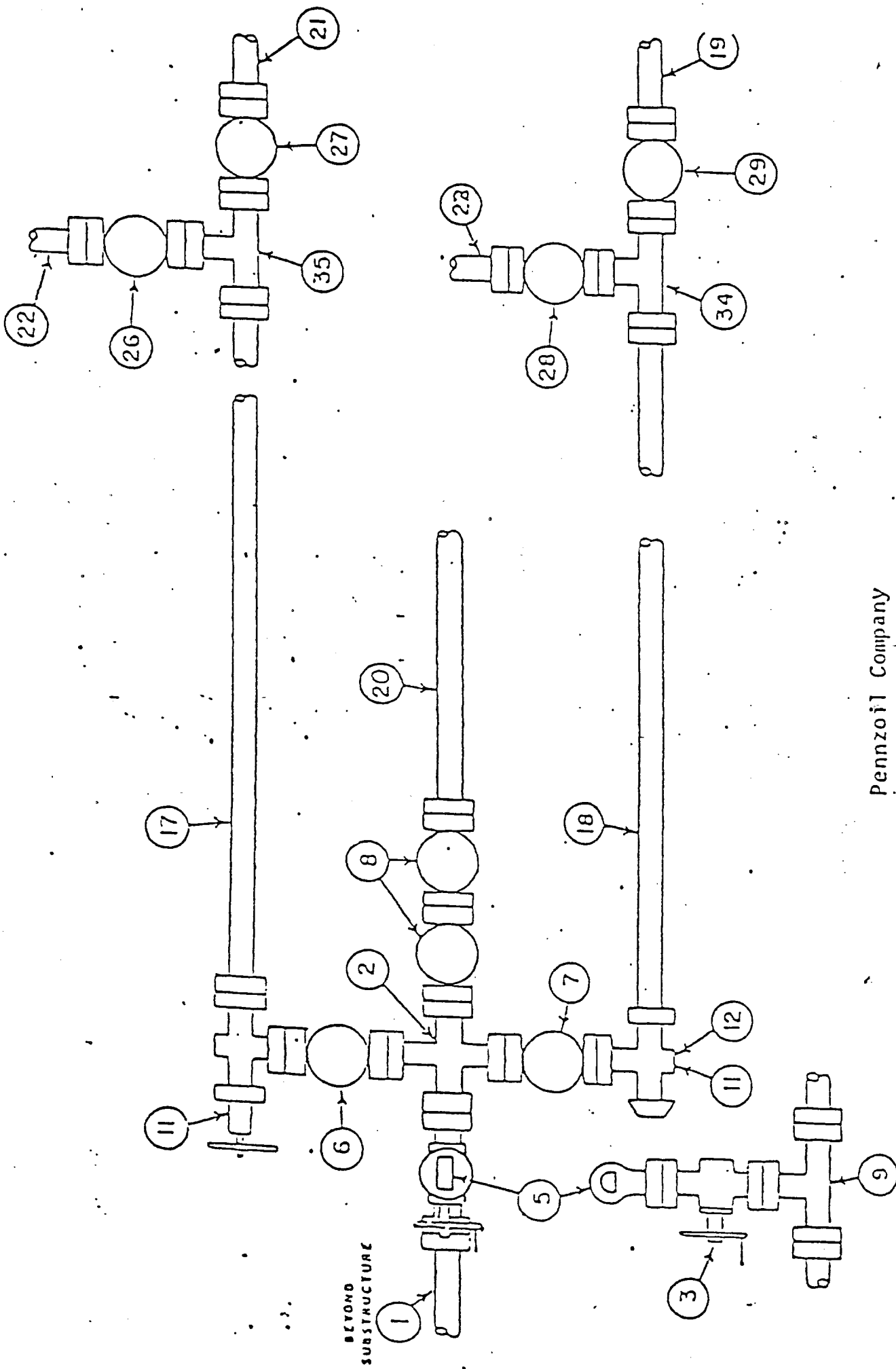
TO BE INSTALLED AFTER SETTING 8-5/8 INCH CASING

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

No.	Item	Min. Size	Type	Press. Rating	Furnished By	
					Cont.	PZL
1	Choke Line from BOP stack (same as Item No. 13 on Attachment 2)	2	Weld or Flce	5000	X	
2	Way Cross, 2 in. x 2 in. x 2 in. x 2 in.	2	Flce	5000	X	
3	Gate Valve	1 1/2	Flce	5000	X	
4	Pressure Sensor			5000	X	
5	Pressure Gauge					
6	Gate Valve	1	Thd	5000	X	
7	Gate Valve	2	Flce	5000	X	
8	Gate Valve	2	Flce	5000	X	
9	Way Cross, in. x in. x in. x in.	2	Flce	5000	X	
10	Way Cross, in. x in. x in. x in.					
11	Adjustable Choke	2	Flce	5000	X	
12	Positive Choke	2	Flce	5000	X	
13	Hydraulically Operated Choke				X	
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	2	Weld on Thd	1000	X	
24	Header	2	Weld on TLL	1000	X	
25	Header					
26	Gate Valve	2	Flce	1000		X
27	Gate Valve	2	Flce	1000		X
28	Gate Valve	2	Flce	1000		X
29	Gate Valve	2	Flce	1000		X
30	Gate Valve	2	Flce	1000		X
31	Gate Valve					
32	Base for Choke Manifold					
33	Block Tee, in. x in. x in. x in.					
34	Tee 2 in. x 2 in. x 2 in.	2	Flce	1000		X
35	Tee 2 in. x 2 in. x 2 in.	2	Flce	1000		X
36	Operating Console 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.

Válves, spools and preventer sizes to be bore dimension.



Pennzoil Company

(EXHIBIT II)