

PROPOSED WELL PLAN OUTLINE

WELL NAME
LOCATION

Meyer B4 #34
3520 FSL & 660 FEL, Sec 4, T21S, R10E, Lea County, NM

Ground L. 3559'
Kelly Bushing 11' AGL

Depth MD	FORMATION TOPS (from GL)	DRILLING PROBLEMS	TYPE OF FORMATION EVALUATION	HOLE SIZE	CASING PROGRAM	FRAC GRAD	FORM. PRES. GRAD.	Mud Weight & Type	Days
0		Possible Hole Enlargement & Sloughing		12-1/4"			Less than 8.3	8.4 - 9.5 Fresh	
1000									
	Top Salt @ 1,345'				8-5/8", 24#, J-55 ST&C @ 1,500'				3
		Washouts in Salt Section		7-7/8"	Circulate Cement			10 Brine	
2000							Less than 8.4		
	Base Salt @ 2,500'		Mud Loggers @ 2,600'						
	Yates 2,690'		H2S monitor equipment on @ 2,600'						
	7 Rivers 2,915'								
3000									
	Queen 3,345'								
	Penrose 3,475'								
	Grayburg 3,640'								
4000	San Andres 3,820'								
		Mud loss in San Andres is likely. Possible loss of returns.							
5000									8
	Glorietta 5,300'	Possible differential sticking thru Glorietta							
		Possible lost returns.							
	Blinberry 5,890'	Differential sticking in Blinberry							
6000									
	Tubb 6,450'								15
	Drinkard 6,745'								
7000			First Log Run: PEX_HALS_NGT SONIC TD - 5600' BHC Sonic- TD-2500 GR/Neut/Cal to surface					10 ppq Starch Gel	
	Abo 7,080'		Second Log Run: 20-30 rotary sidewall cores						
		Lost of full returns is likely upon drilling into Strawn.	Possible Third Run: FMI imaging log		5-1/2", 17#, L-80 LT&C set @ 8,900'				25
8000		Offset data from: Meyer B-4 #19							
	Strawn @ 8,035'								
	Woodford @ 8,775'								
9000	TD @ 8,900'								

DATE

27-Feb-02

Ron Keas, Geoscientist

APPROVED

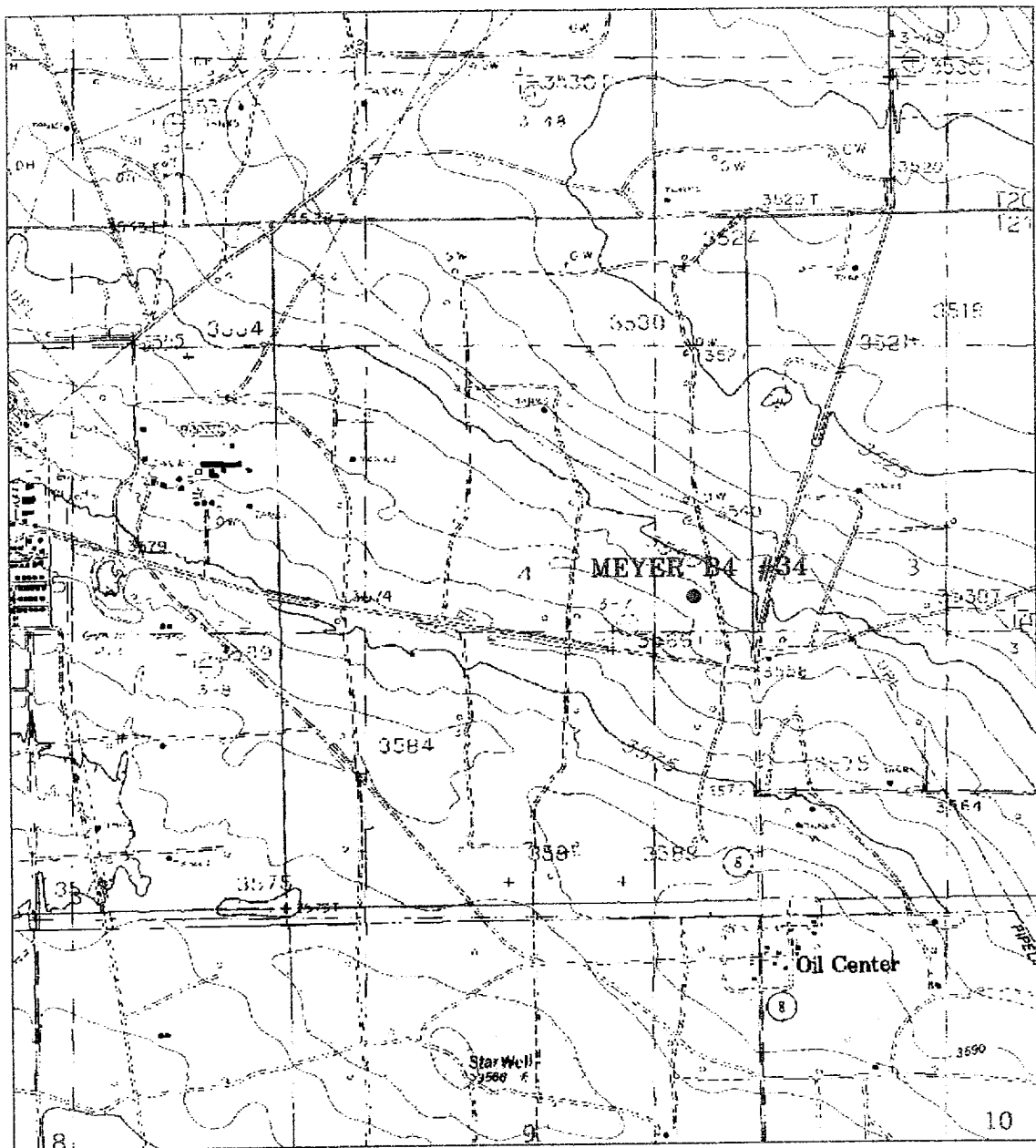
YP Ortiz, Drilling Engineer

Rob Lowe, Reservoir Engineer

Meyer B4 #34
PROPOSED CASING & CEMENT PLAN

Surface casing size:	8-5/8", 24#, J-55, ST&C	Casing OD:	8.625 in
Surface casing depth:	1,500 ft	Casing ID:	8.097 in
Hole size:	12.25 in	Shoe jt length:	40 ft
Static temperature:	89 deg F	Lead Excess:	101 %
Circulating temperature:	85 deg F	Tail Excess:	106 %
Lead:	465 sx	Cl C + 0.25 pps Cello Flake + 0.005 gps FP-6L + 2% Sodium Metasilicate	
Tail:	200 sx	Cl C + 2% CaCl + 0.005 gps FP-6L	
Properties		Lead	Tail
Slurry Weight (ppg)		12.4	14.8
Slurry Yield (cfps)		2.15	1.34
Mix Water (gps)		12.33	6.35
Pump time - 70 BC (HH:MM)		6:25	2:20
Free Water (mls) @ 80 deg F @ 90 deg angle		0	0
Fluid Loss (cc/30 min) @ 1000 psi and 80 deg F		854	900
Compressive Strength (psi)			
12 hrs @	89 deg F	124	1200
24 hrs @	89 deg F	250	2500

Production casing size:	5-1/2", 17#, J55, LT&C	Casing OD:	5.500 in
Production casing depth:	8,150 ft	Casing ID:	4.892 in
Hole size:	7.875 in	Shoe jt length:	80 ft
Static temperature:	129 deg F	Lead Excess:	51 %
Circulating temperature:	122 deg F	Tail Excess:	51 %
Lead:	700 sx	50:50 Poz:Cl C + 5% bwow NaCl + 0.25 pps Cello Flake + 0.005 gps FP-6L + 10% Bentonite	
Tail:	425 sx	15:61:11 Poz:Cl C:CSE + 5% bwow NaCl + 1% FL-62 + 0.005 gps FP-6L	
Properties		Lead	Tail
Slurry Weight (ppg)		11.85	13.6
Slurry Yield (cfps)		2.41	1.49
Mix Water (gps)		13.79	7.31
Pump time - 70 BC (HH:MM)		2:58	2:31
Free Water (mls) @ 80 deg F @ 90 deg angle		1	0
Fluid Loss (cc/30 min) @ 1000 psi and 80 deg F		792	62
Compressive Strength (psi)			
12 hrs @	124 deg F	50	1013
24 hrs @	124 deg F	175	1875



MEYER B4 #34

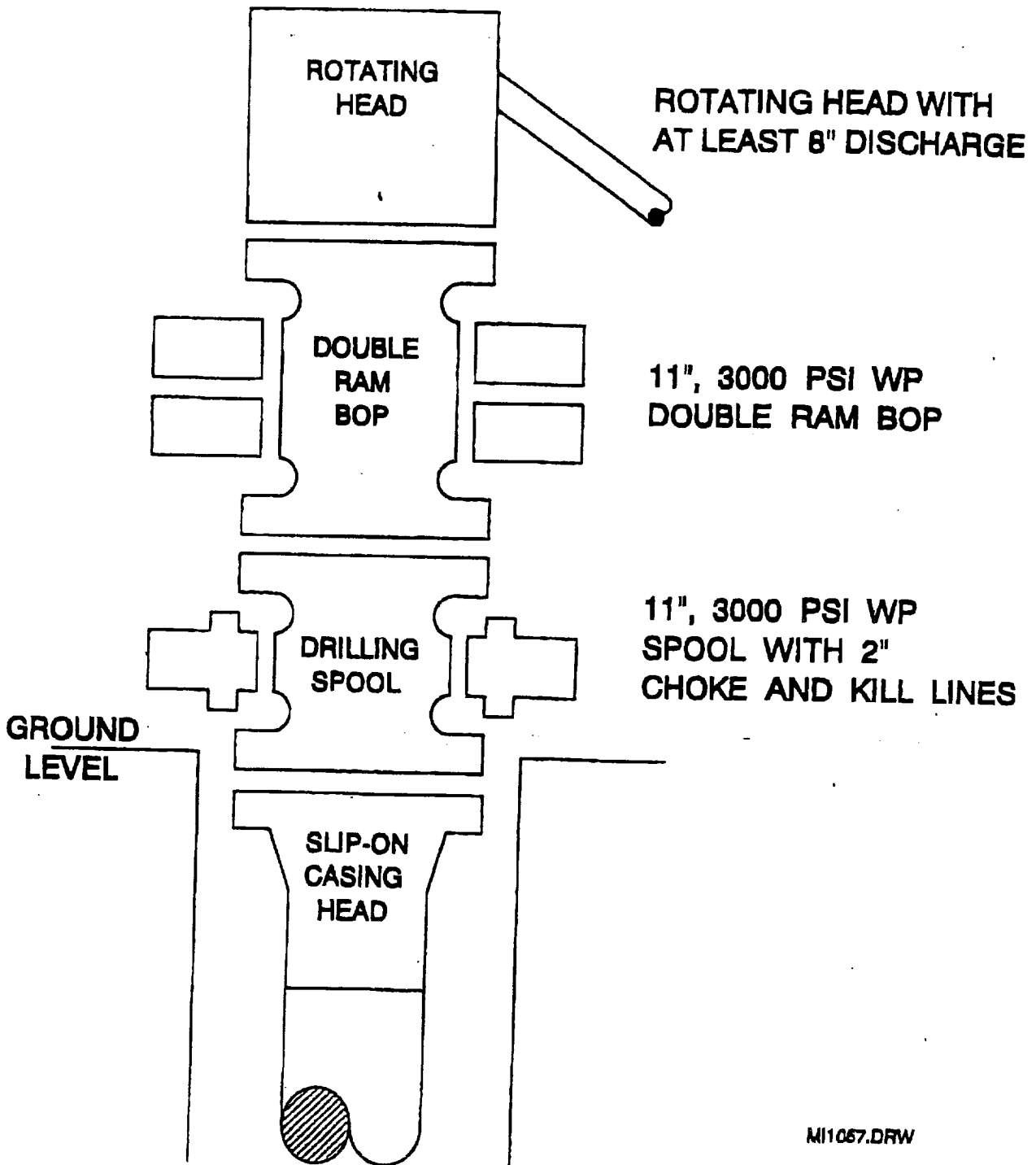
Located at 3520' FSL and 660' FEL
 Section 4, Township 21 South, Range 36 East,
 N.M.P.M., Lea County, New Mexico.

W.O. Number 2267AA - 400 000
 Survey Date 02-15-2002
 Scale: 1" = 2000'
 Date 02-10-2002

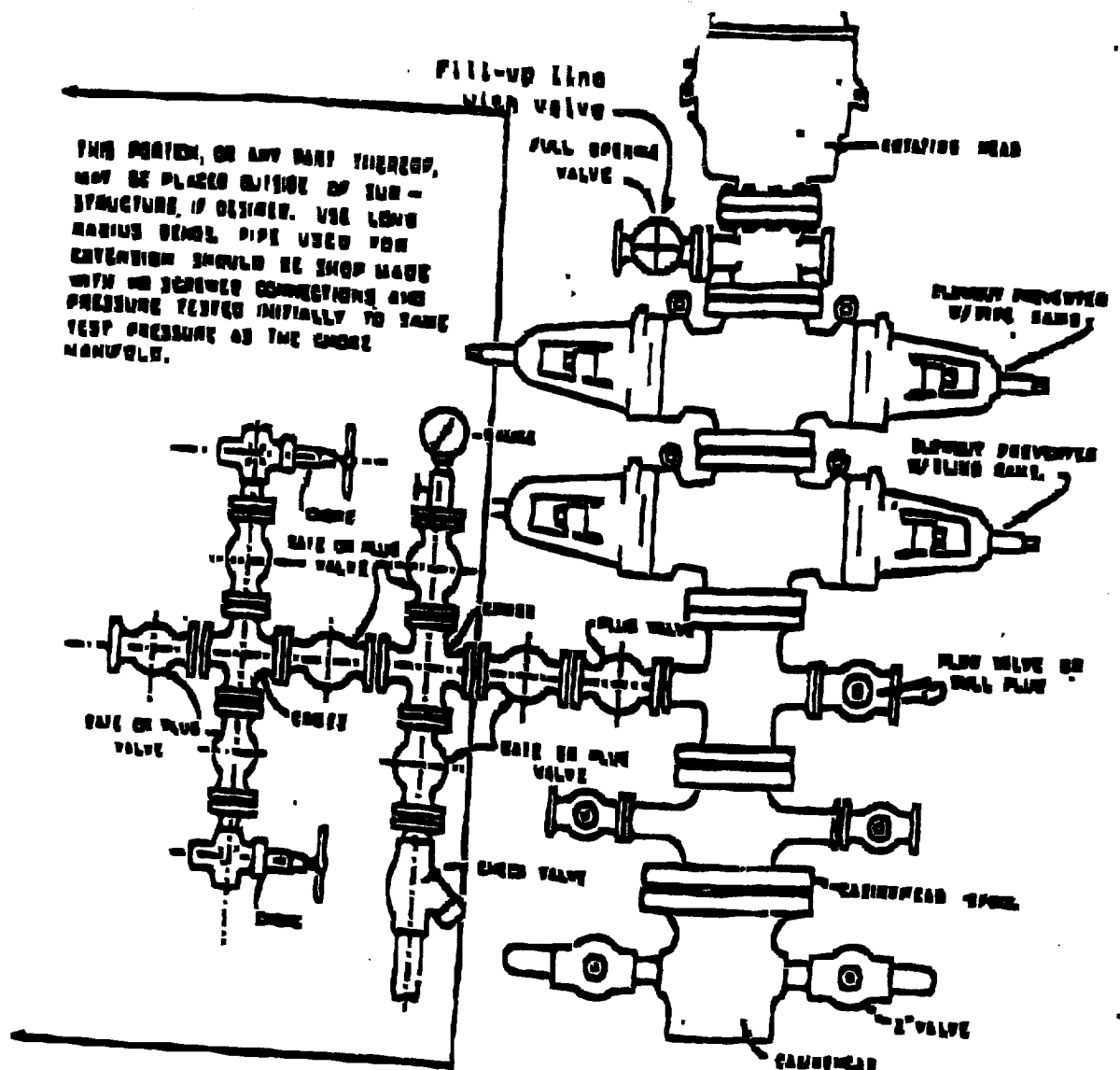
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CONOCO INC.

BOP SPECIFICATIONS



MI1057.DRW

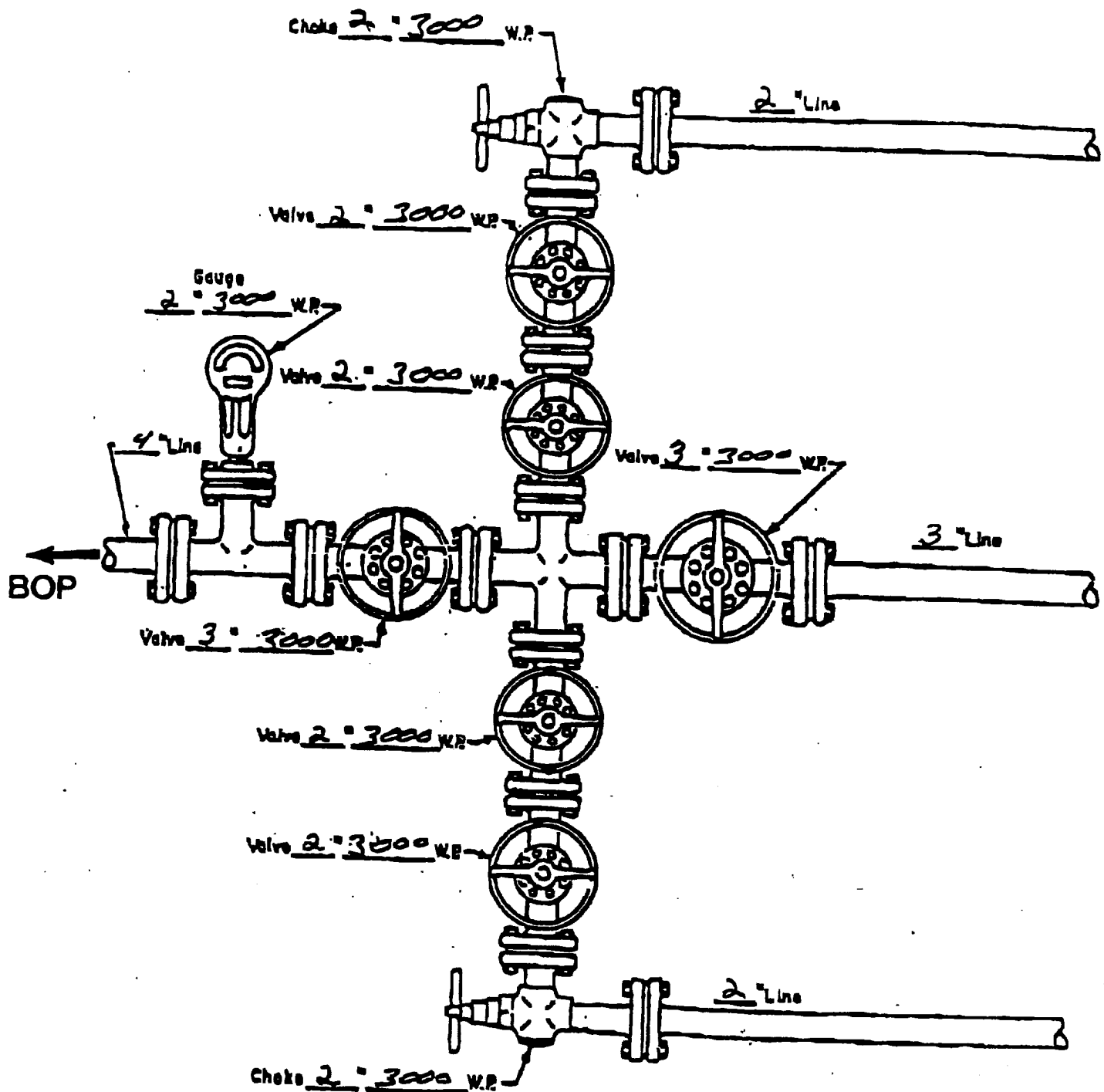


BLOWOUT PREVENTER HOOKUP

Drilling contractors used in the San Juan Basin supply 1000 psi equipment, but cannot provide annular preventors because of sub-structure limitations. Maximum anticipated surface pressures for this well will not exceed the working pressure of the proposed BOP system. Please see the attached BOP diagram details 2000 psi equipment according to Onshore Order No. 2 even though the equipment will test to 1000 psi. The 2000 psi system allows deletion of the annular preventor and fulfills your requirements (note diagram No. 1). In addition, the following equipment will comprise the 1000 psi system:

1. Two rams with one blind and one pipe ram.
2. Kill line (2 inch maximum).
3. One kill line valve.
4. One choke line valve.
5. Two chokes (reference diagram No. 1).
6. Upper kelly cock valve with handle.
7. Safety valve and subs to fit all drill strings in use.
8. Two-inch minimum choke line.
9. Pressure gauge on choke manifold.
10. Fill-up line above the upper most preventer.
11. Rotating head.

CHOKE MANIFOLD DI^AGRAM



MANIFOLD
3000 # W.P.

☒ Manual
☐ Hydraulic

ABOVE DATE DOES NOT
INDICATE WHEN
CONFIDENTIAL LOGS
WILL BE RELEASED

8/12/02 ELF