District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Form C-101
Revised March 17, 1999

Submit to appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

[1] Operator Name and Address	[2] OGRID Number
Conoco Inc., 10 Desta Drive, Suite 649W, Midland, TX 79705	005073
	[3] API Number 30-025-35466

[3] Property Code	[5] Property Name	[6] Well No.
3105	State F1	11

[7] Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K/S	1	21S	36E		1650'	South	1830'	West	Lea

[8] Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

[9] Proposed Pool 1	[10] Proposed Pool 2
Wildcat Strawn	

[11] Work Type Code	[12] Well Type Code	[13] Cable/Rotary	[14] Lease Type Code	[15] Ground Level Elevation
N	O	R	S	3504'
[16] Multiple	[17] Proposed Depth	[18] Formation	[19] Contractor	[20] Spud Date
No	8050'	Strawn		05/22/01

[21] Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12 ¼"	J-55, 8-5/8"	24#	1500'	665'	Surface
7 7/8"	J-55, 5 ½"	17#	8050'	990'	Surface

22 Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

1. Well Location and Acreage Dedication Plat (C-102)
2. Proposed Well Plan Outline
3. Cementing Program
4. BOP/Choke Diagram

Permit Expires 1 Year From Approval Date Unless Drilling Underway

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

Signature: Kimberly Southall

Printed name: Kimberly Southall

Title: Analyst

Date: 03/19/01 Phone: 915/686-5565

OIL CONSERVATION DIVISION	
Approved by:	
Title:	
Approval Date: MAR 2 2001	Expiration Date:
Conditions of Approval: Attached ☐	

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State of New Mexico
Energy, Minerals and Natural Resources Departmen

OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, New Mexico 87504-2088

Form C-102
Revised March 17, 1999

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
30-025-35466	~	WILDCAT STRAWN

Property Code	Property Name	Well Number
28305	STATE F1	11

OGRID No.	Operator Name	Elevation
005073	CONOCO INC.	3504'

Surface Location

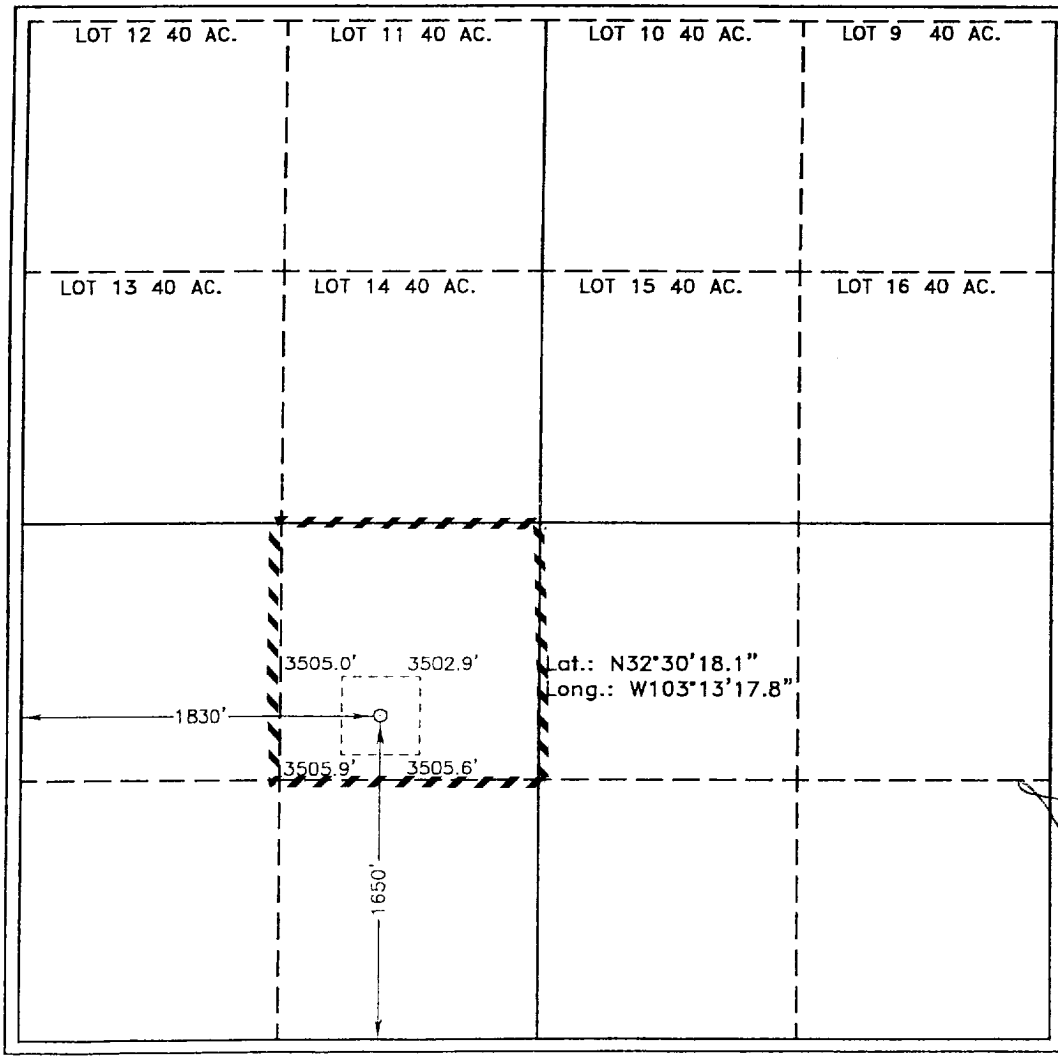
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
S	1	21 S	36 E		1650	SOUTH	1830	WEST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
40			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



OPERATOR CERTIFICATION

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

Signature: Kay Maddox

Printed Name: KAY MADDOX

Title: Regulatory Agent

Date: 3/19/01

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervison, and that the same is true and correct to the best of my belief.

March 8, 2001

Date Surveyed

Signature & Seal of Professional Surveyor

GARY L. JONES NEW MEXICO 7977 REGISTERED PROFESSIONAL LAND SURVEYOR

W.O. No. 12168A

Certificate No. Gary L. Jones 7977

JLP BASIN SURVEYS

PROPOSED WELL PLAN OUTLINE

WELL NAME: Oxy State F-1 #11
LOCATION: 1650' FSL & 1830' FWL, Sec 1, T21S & R36E

Ground Level : 3,510' (est)
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 @ 1,420'				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 2,665'		H2S monitor equipment on @ 2,600'						
	7 Rivers 2,950'								
3000									
	Queen 3,445'								
	Penrose 3,550'								
	Grayburg 3,710'								
	San Andres 3,925'								
4000		Mud loss in San Andres is likely. Possible loss of returns.							
5000									
	Glorietta 5,205'	Possible differential sticking thru Glorietta Possible lost returns.							7
		Losses as great as 40 bph likely from 4000' to 6800'.							
	Blinebry 5,765'								
6000									
	Tubb 6,320'								10
	Drinkard 6,640'								
			First Log Run:					10 ppg	
7000	Abo 6,940'		GR-CAL-DLL-MLL-SGR-SONIC					Starch Gel	
			FDC-CNL-PE : TD to 2000'						
			Pull GR-CNL-Cal to Surf						
		Minor mud loss possible upon drilling into Strawn.	SGR interval to be chosen						
			Second Log Run:						
	Strawn @ 7,690'		60 rotary sidewall cores		5-1/2", 17#, J-55 LT&C set @ 8,050'				
		Offset data from:							
		State F-1 #9 & #10	Possible Third Run:		Circulate cement				17
		Deck Estate 7-1	FMI imaging log		either single or 2 stage				
8000	TD @ 8,050'	Oxy State F-1 #1							

DATE: 19-Mar-01

Al Gomez, Geologist

APPROVED

David Delao, Drilling Engineer

Jim Hubbard, Reservoir Engineer

Oxy State F-1 #1
PROPOSED CASING & CEMENT PLAN

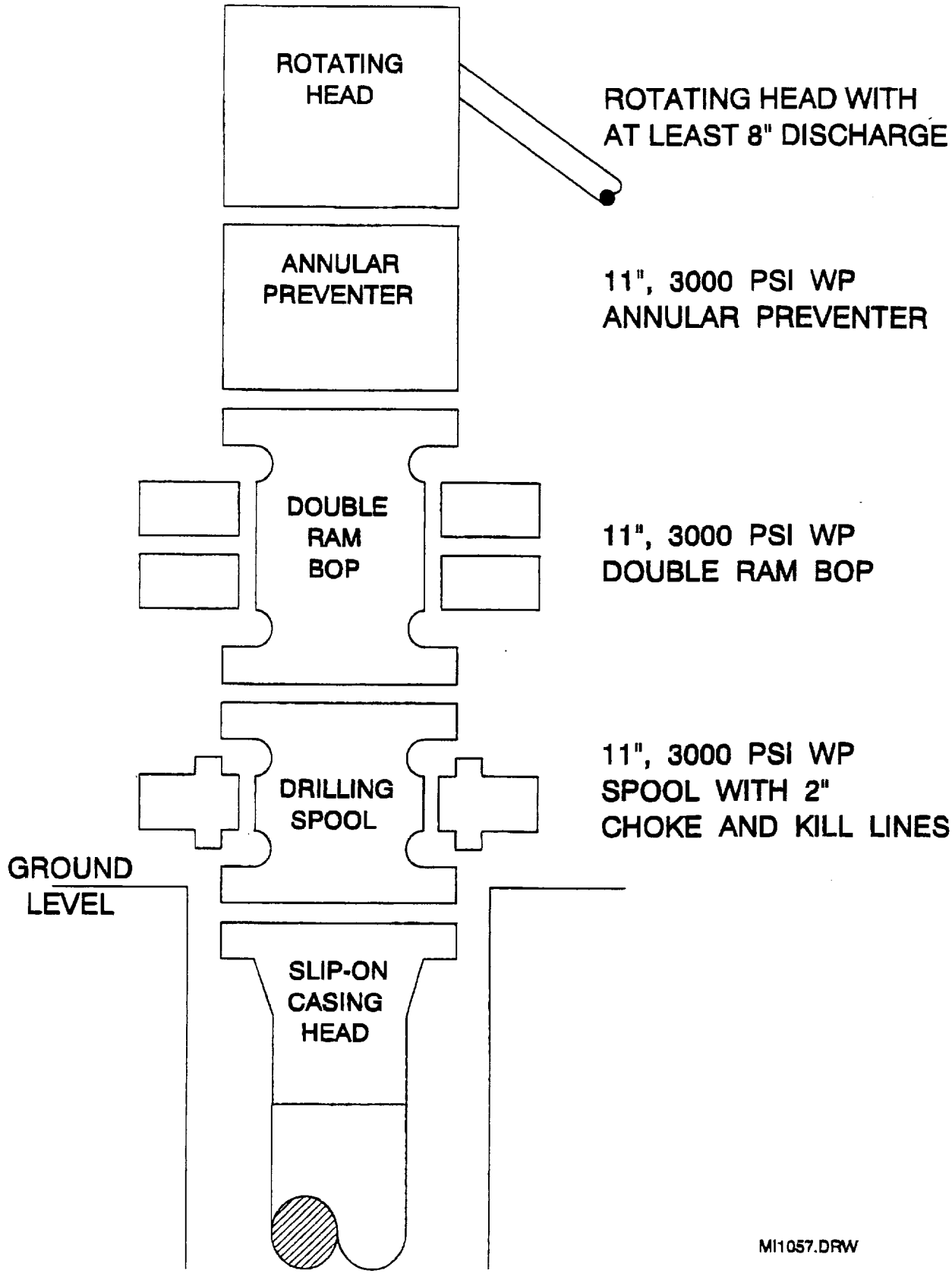
Surface casing size:	8-5/8", 24#, J-55, ST&C		Casing OD:	8.625 in
Surface casing depth:	1,500 ft		Casing ID:	8.097 in
Hole size:	12.25 in		Shoe jt length:	40 ft
Static temperature:	89 deg F		Lead Excess:	101 %
Circulating temperature:	85 deg F		Tail Excess:	106 %
Lead:	465 sx	Cl C + 0.25 pps Cello Flake + 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

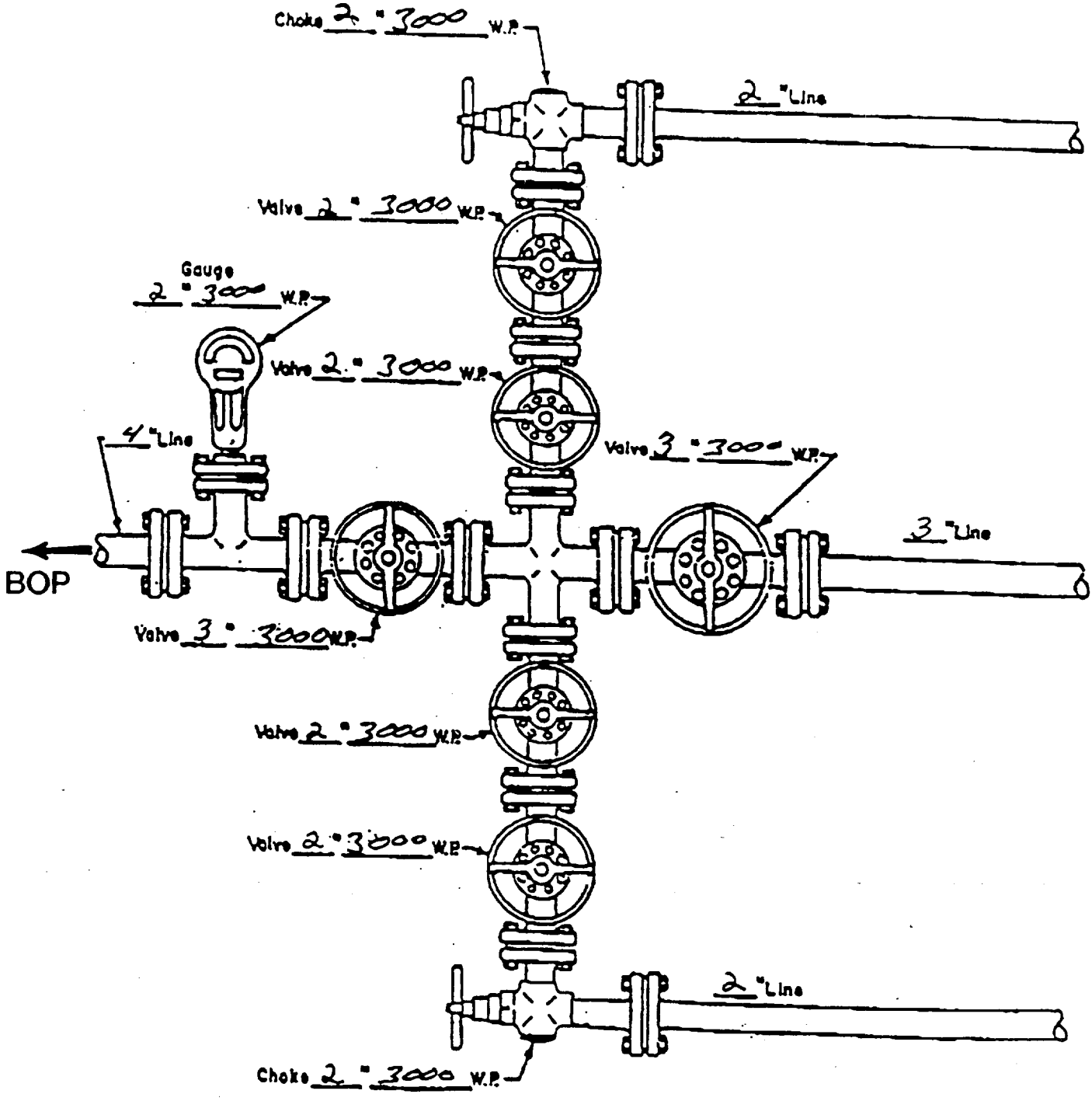
Production casing size:	5-1/2", 17#, J55, LT&C		Casing OD:	5.500 in
Production casing depth:	8,050 ft		Casing ID:	4.892 in
Hole size:	7.875 in		Shoe jt length:	80 ft
Static temperature:	128 deg F		Lead Excess:	51 %
Circulating temperature:	122 deg F		Tail Excess:	51 %
Lead:	565 sx	50:50 Poz:Cl C + 5% 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

BOP SPECIFICATIONS



CHOKE MANIFOLD DIAGRAM



MANIFOLD
3000 #W.P

☒ Manual
☐ Hydraulic

ELF 8/24/01

ABOVE DATE DOES NOT
INDICATE WHEN
CONFIDENTIAL LOGS
WILL BE RELEASED