

State of New Mexico
Energy, Minerals & Natural Resources

Form C-101
May 27, 2004

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

Oil Conservation Division
1220 S. St. Francis Dr.
Santa Fe, NM 87505

Submit to appropriate District Office

☐ AMENDED REPORT

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

¹ Operator Name and Address MISSION RESOURCES CORPORATION 1331 LAMAR, SUITE 1455 HOUSTON, TEXAS 77010-3039		² OGRID Number 148381 ✓
⁴ Property Code 33493 ✓	⁵ Property Name STATE A A/C 2	³ API Number 30-025-36935
⁹ Proposed Pool 1 JALMAT;TANSILL-YATES-7RIVERS (GAS) 79240 ✓	⁶ Well No. 084 ✓	
¹⁰ Proposed Pool 2		

⁷ Surface Location

UL or lot no. 0	Section 11	Township 22S	Range 36E	Lot. Idn	Feet from the 660	North/South Line SOUTH	Feet from the 1886	East/West line EAST	County LEA ✓
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⁸ Proposed Bottom Hole Location If Different From Surface

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

¹¹ Work Type Code N	¹² Well Type Code OG	¹³ Cable/Rotary R	¹⁴ Lease Type Code S ✓	¹⁵ Ground Level Elevation 3529 ✓
¹⁶ Multiple NO	¹⁷ Proposed Depth 4000'	¹⁸ Formation Queen	¹⁹ Contractor To be Determined	²⁰ Spud Date 06/21/04
Depth to ground water 137'		Distance from nearest fresh water well 1000+		Distance from nearest surface water 1000+ ✓
Pit: Liner: Synthetic <input checked="" type="checkbox"/> 12 mils thick Clay <input checked="" type="checkbox"/> Pit Volume 5704 bbls Drilling Method: Rotary Closed-Loop System <input type="checkbox"/> Fresh Water <input checked="" type="checkbox"/> Brine <input checked="" type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/> ✓				

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12-1/4"	8-5/8"	24#	600'	325	SURFACE
7-7/8"	4-1/2"	11.6#	4000'	655	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.

Please see Attached:

Well Location & Acreage Dedication Plat (C-102)
Proposed Well Plan
Casing/Cementing Program/BOP schematic

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. I further certify that the drilling pit will be constructed according to NMOCD guidelines <input type="checkbox"/> a general permit <input checked="" type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> Signature: <i>Nancy K. Gatti</i> Printed name: Nancy K. Gatti		OIL CONSERVATION DIVISION	
Title: Regulatory Coordinator		Approved by: <i>Paul E. Kautz</i> PETROLEUM ENGINEER	
E-mail Address: nancy.gatti@mrcorp.com		Approval Date: NOV 10 2004	
Date: 11/04/04	Phone: 713-495-3128	Expiration Date:	
Conditions of Approval:		Attached <input type="checkbox"/>	

DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised February 10, 1994
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0719

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT IV
P.O. BOX 2088, SANTA FE, N.M. 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number <u>30-025-36935</u>	Pool Code 79240	Pool Name JALMAT;TANSILL-YATES-7RIVERS (GAS)
Property Code 33493	Property Name STATE A A/C 2	Well Number 84
GRID No. 148381	Operator Name MISSION RESOURCES CORPORATION	Elevation 3529

Surface Location

UL or lot No. 0	Section 11	Township 22 S	Range 36 E	Lot Idn	Feet from the 660	North/South line SOUTH	Feet from the 1886	East/West line EAST	County LEA
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Bottom Hole Location If Different From Surface

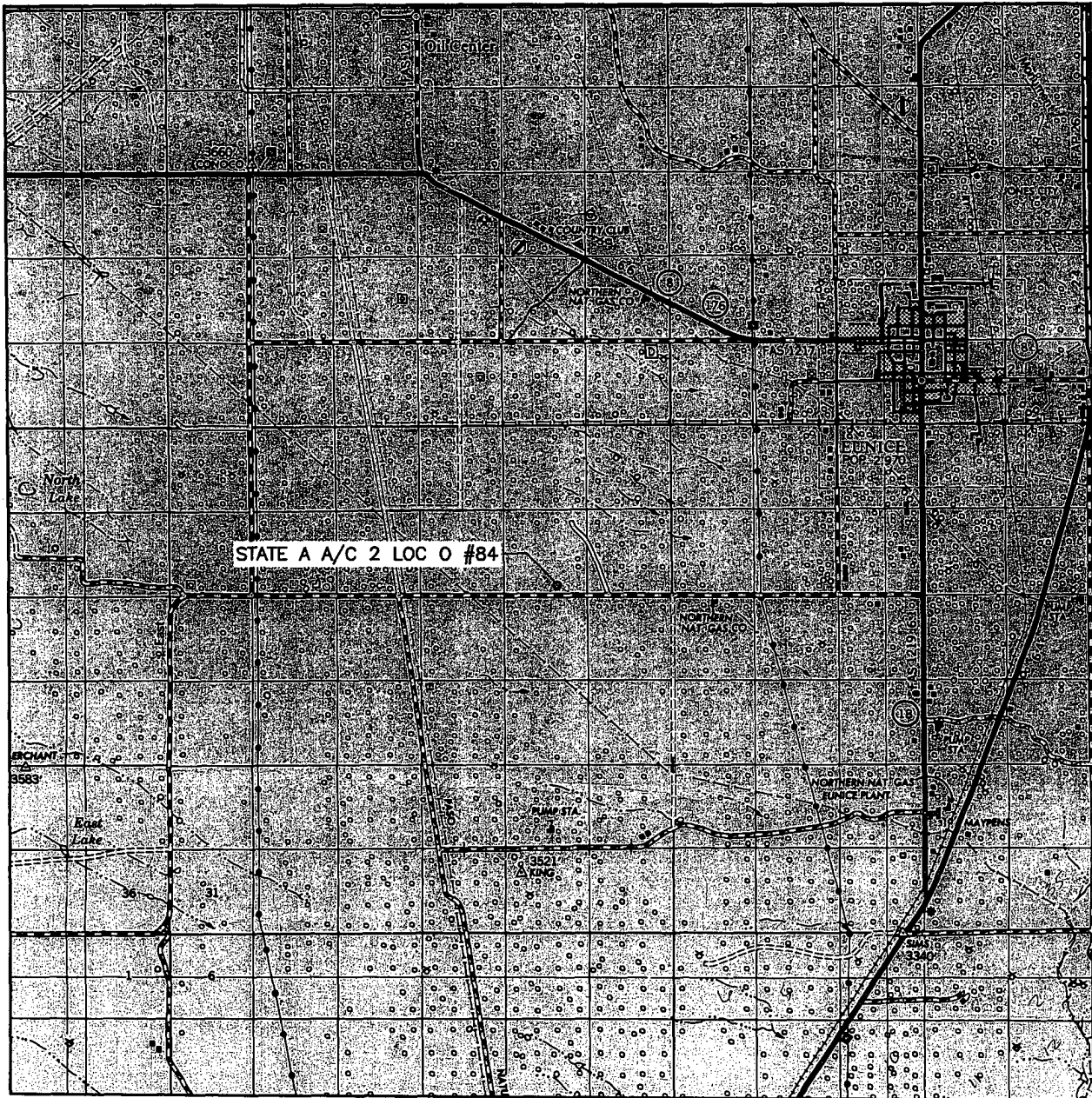
UL or lot No. SAME	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 640	Joint or Infill	Consolidation Code	Order No. R-6483-C & R-8575-C						

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

	<p>OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><u>Nancy K. Gatti</u> Signature</p> <p>Nancy K. Gatti Printed Name</p> <p>Regulatory Coordinator Title</p> <p>04/22/04 Date</p> <p>SURVEYOR CERTIFICATION</p> <p>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 supervision and that the same is true and correct to the best of my belief.</p> <p>February 10, 2004 Date Surveyed</p> <p>Signature & Seal of Professional Surveyor JSR</p> <p>W.O. Num. 2004-0118-1</p> <p>Certificate No. MAON McDONALD N.M. P.L.S. No. 12185</p>
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NOTE: THE #82, #83 & #84 WELL LOCATIONS ARE LOCATED HEREON BY ACTUAL FIELD SURVEYS
(0000) - DENOTES SECTION CALLS AS PROVIDED BY MISSION RESOURCES CORPORATION

VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 11 TWP. 22-S RGE. 36-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 660' FSL & 1886' FEL

ELEVATION 3529'

OPERATOR MISSION RESOURCES CORPORATION

LEASE STATE A A/C 2 LOC 0

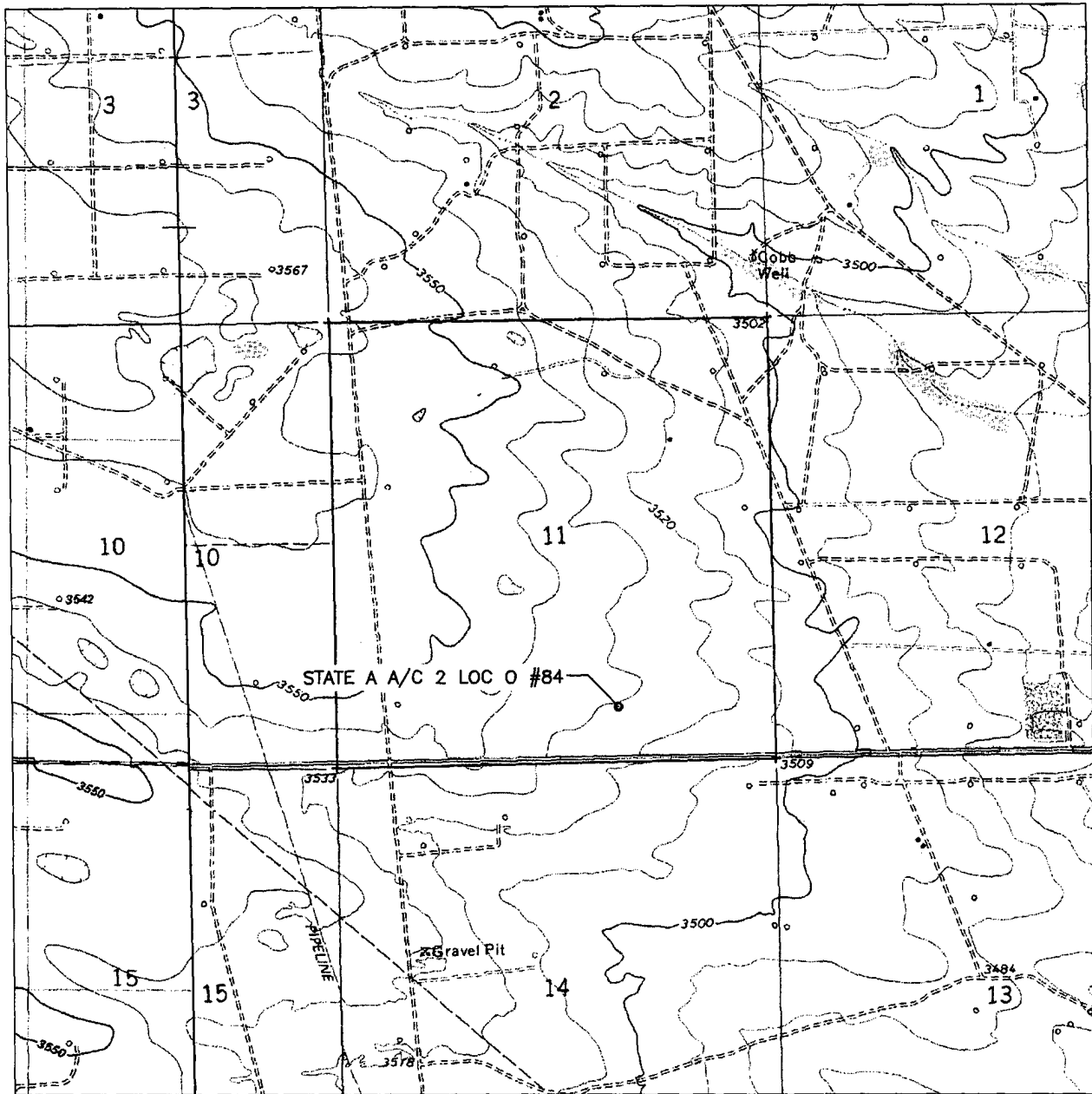
WEST COMPANY
of Midland, Inc.

110 W. LOUISIANA, STE. 110

MIDLAND TEXAS, 79701

(432) 687-0865 - (432) 687-0868 FAX

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL = 10'

SEC. 11 TWP. 22-S RGE. 36-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 660' FSL & 1886' FEL

ELEVATION 3529'

OPERATOR MISSION RESOURCES CORPORATION

LEASE STATE A A/C 2 LOC O

U.S.G.S. TOPOGRAPHIC MAP
EUNICE, N.M.



WEST COMPANY
of Midland, Inc.

110 W. LOUISIANA, STE. 110
MIDLAND TEXAS, 79701
(432) 687-0865 - (432) 687-0868 FAX

**STATE A A/C 2, WELL NO. 84
660' FSL & 1986' FEL, SECTION 11, T-22S-R36E, UNIT LETTER "O"
LEA COUNTY, NM**

PROPOSED WELL PLAN

1. Drill 12-1/4" hole from surface to 600'.
2. Run 8-5/8" 24# casing to 600', cement w/ 240 sx cement with additives to surface.
3. Drill 7-7/8" hole to 4000'
4. Run 4-1/2" 11.6# casing to 4000' w/ 655 sx cement with additives to surface.
5. Perforate Yates/7-Rivers from 3000' to 3500'
6. Acid and Frac treatment will be determined after looking at the logs.
7. Complete and put on production.

CASING PROGRAM:

SURFACE: 8-5/8" Casing in 12-1/4" Hole at 600'.

PRODUCTION: 4-1/2" casing in 7-7/8" Hole at 4000'.

CEMENTING PROGRAM:

SURFACE:

Lead: 125 sacks Class C Mixed at 12.7 ppg
Additives: 0.25 pps Cello-Flake + 6% Bentonite

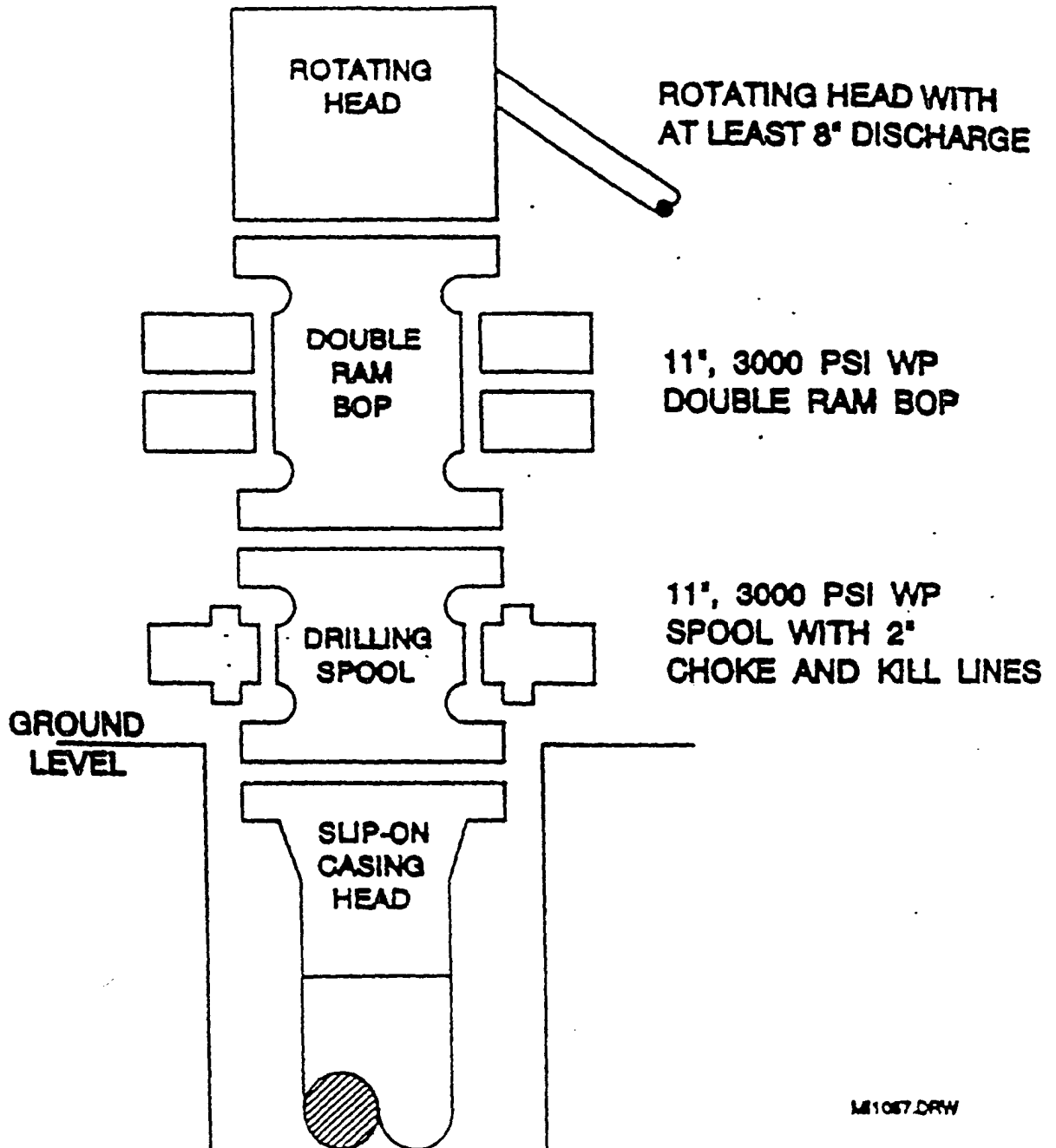
Tail: 200 sacks Class C Mixed at 14.8 ppg
Additives: 2% CACL2

PRODUCTION:

Lead: 320 sacks Class C Mixed at 11.9 ppg
Additives: 35:65 Poz (Fly Ash) + 6% Bentointe

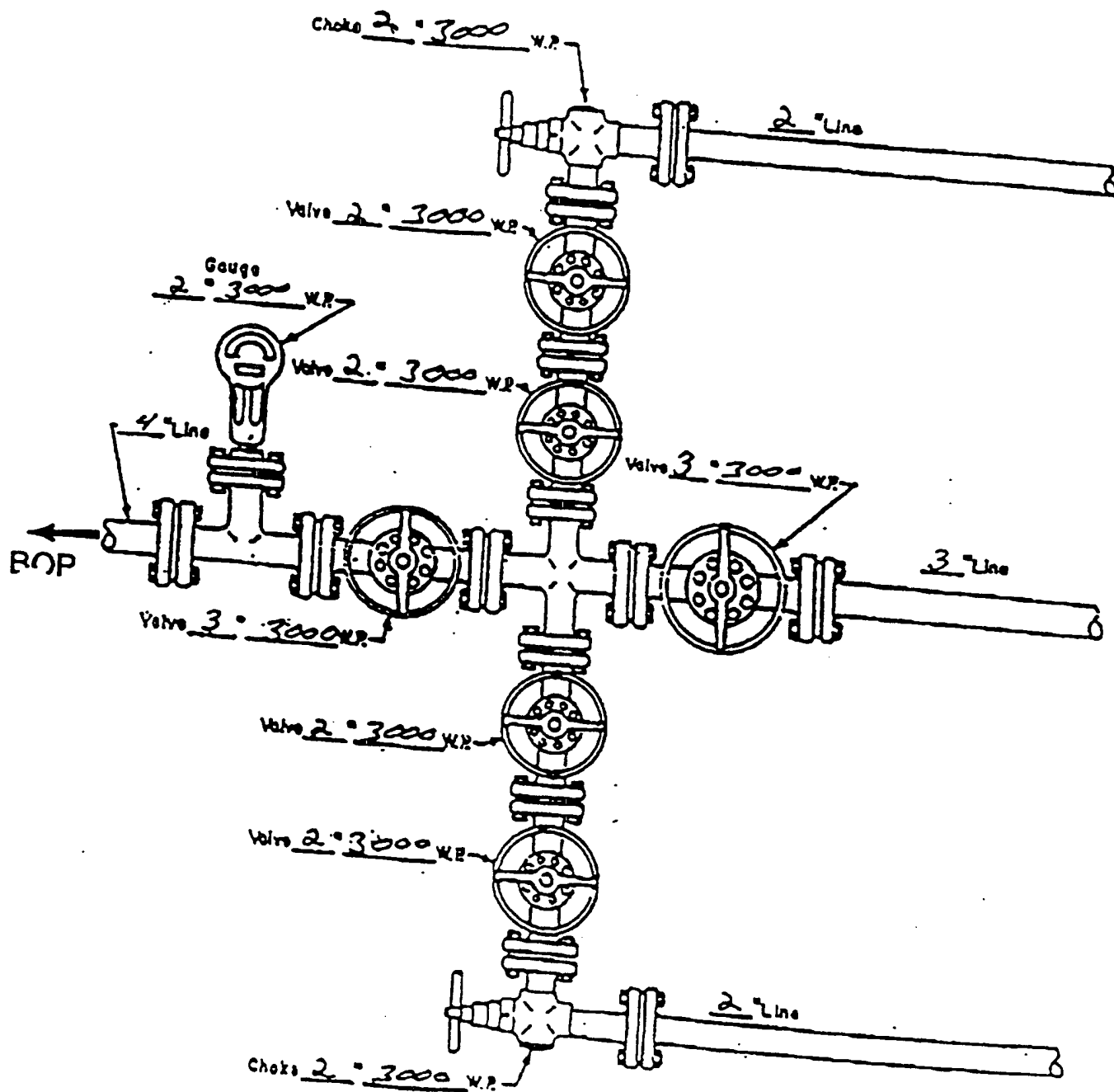
Tail: 335 sacks Class C Mixed at 14.0 ppg
Additives: 50:50 Poz (Fly Ash) + 2% Gel

BOP SPECIFICATIONS



ME1067.DRW

CHOKE MANIFOLD DIAGRAM



MANIFOLD
3000 W.P.

- ☒ Manual
- ☐ Hydraulic