

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

State of New Mexico
Energy, Minerals & Natural Resources

Form C-101
May 27, 2004

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 1100 LOUISIANA, STE. 4400, HOUSTON, TX 77010 | | ² OGRID Number 148381 |
| ⁴ Property Code 33493 | ⁵ Property Name STATE A A/C 2 | ³ API Number 30- 025-37563 ⁶ Well No. 085 |
| ⁹ Proposed Pool 1 JALMAT;TANSILL-YATES-7RIVERS (GAS) #79240 | | ¹⁰ Proposed Pool 2 |

⁷ Surface Location

| | | | | | | | | | |
|--------------------|---------------|-----------------|--------------|----------|----------------------|---------------------------|----------------------|------------------------|---------------|
| UL or lot no. A | Section 11 | Township 22S | Range 36E | Lot. Idn | Feet from the 710 | North/South Line NORTH | Feet from the 785 | East/West line EAST | County LEA |
|--------------------|---------------|-----------------|--------------|----------|----------------------|---------------------------|----------------------|------------------------|---------------|

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 |
|-----------------------|---------|----------|-------|----------|---------------|------------------|---------------|----------------|--------|

Additional Well Location

| | | | | |
|--|---------------------------------------|---|--|--|
| ¹¹ Work Type Code N | ¹² Well Type Code G | ¹³ Cable/Rotary R | ¹⁴ Lease Type Code S | ¹⁵ Ground Level Elevation 3513 |
| ¹⁶ Multiple NO | ¹⁷ Proposed Depth 4000' | ¹⁸ Formation YATES/7RIVERS | ¹⁹ Contractor To be Determined | ²⁰ Spud Date 12/15/05 |
| 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 |
|-----------|-------------|--------------------|---------------|-----------------|---------------|
| 11" | 8-5/8" | 24# | 600' | 325 | SURFACE |
| 7-7/8" | 4-1/2" | 11.6# | 4000' | 725 | 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.

Permit Expires 1 Year From Approval
Date Unless Drilling Underway

Please see Attached:
Well Location & Acreage Dedication Plat (C-102)
Proposed Well Plan
Casing/Cementing Program
BOP/Choke Manifold Diagrams

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 ☐ a general permit ☐, or an (attached) alternative OGD-approved plan ☒
Signature: *Nancy K. Gatti*

Printed name: Nancy K. Gatti

Title: Regulatory Manager

E-mail Address: ngatti@petrohawk.com

Date: 11/17/05

Phone: 832-204-2700

OIL CONSERVATION DIVISION

Approved by:

PETROLEUM ENGINEER

Title:

Approval Date: NOV 22 2005 Expiration Date:

Conditions of Approval:
Attached ☐

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised August 15, 2000
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
2040 South Pacheco
Santa Fe, NM 87505

DISTRICT IV
2040 South Pacheco, Santa Fe, NM 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | |
|-----------------------------------|---|--|
| API Number 30-025-37563 | Pool Code 79240 | Pool Name Jalmat;tansill=yates-7rivers (gas) |
| Property Code 33493 | Property Name STATE A A/C 2 | Well Number 85 |
| OGRID No. 148381 | Operator Name MISSION RESOURCES CORPORATION | Elevation 3513' |

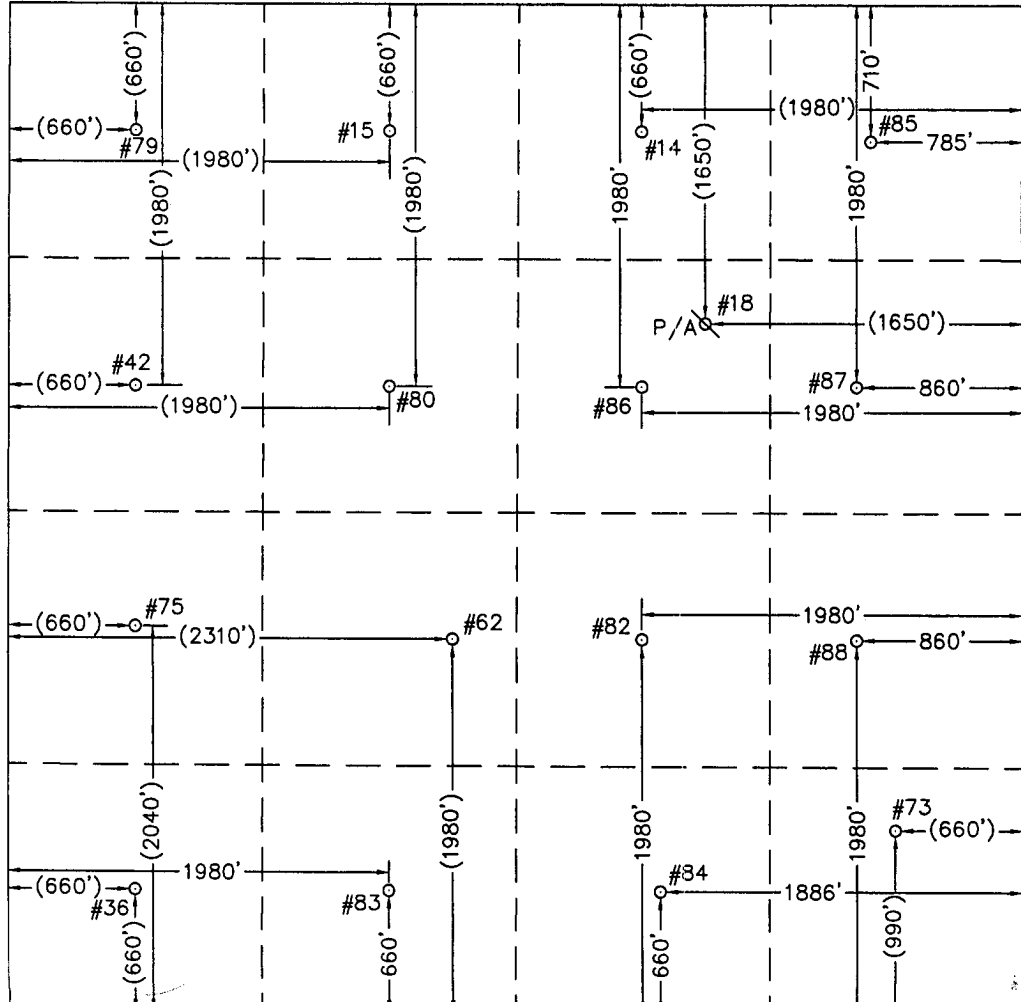
Surface Location

| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| A | 11 | 22 S | 36 E | | 710 | NORTH | 785 | EAST | LEA |

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 Infill | Consolidation Code | Order No. Admin. Order SD-05-06 | | | | | | |

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 the the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Nancy K. Gatti</i> Signature Nancy K. Gatti Printed Name Regulatory Manager Title 11-17-05 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 upervision and that the same is true and orrect to the best of my belief.</p> <p>June 10, 2005 Date Surveyed Signature & Seal of Professional Surveyor LVA 12185 W.O. Num. 2005-0473 Certificate No. MACON McDONALD 12185</p> |
|--|---|

WELL LOCATIONS SHOWN HEREON WITH DIMENSIONS IN PARENTHESIS WERE PROVIDED BY MISSION RESOURCES CORPORATION AND ARE NOT FIELD SURVEYED.

PROPOSED WELL PLAN

1. Drill an 11" hole from surface to 600'
2. Run 8-5/8" 24# J-55 STC casing to 600' and cement to surface.
3. NU BOP's and drill a 7-7/8" hole to 4,000'.
4. Run 4-1/2" 11.6# J-55 casing to 4,000' and cement to surface.
5. Perforate the Yates/7-Rivers from 3000' to 3500'.
6. Acid and Frac treatment will be determined after looking at logs.
7. Complete and put on production.

CASING PROGRAM

SURFACE: 8-5/8" casing in 11" hole at 600'

PRODUCTION: 4-1/2" casing in 7-7/8" hole at 4,000'.

CEMENTING PROGRAM

SURFACE:

LEAD: 100 sx CI C + 4% gel + 2% CaCl₂ + 0.25 pps Cello-Flake
Mixed at 13.5 ppg (1.74 cf/sk)

TAIL: 125 sx CI C + 2% CaCl₂
Mixed at 14.8 ppg (1.34 cf/sk)

PRODUCTION:

LEAD: 475 sx 50:50 Poz/CI C + 10% gel + 5% salt
Mixed at 12.0 ppg (2.3 cf/sk)

TAIL: 250 sx 50:50 Poz/CI C + 2% gel + 5% salt
Mixed at 14.2 ppg (1.3 cf/sk)

MISSION RESOURCES CORPORATION

PROPOSED WELLBORE SCHEMATIC

State A A/C 2 Well #85
Lea County, NM

710' FNL & 785' FEL SEC 11, T22S, R36E

GL = 3513'
RKB = 3527'
RKB to GL = 14'

HOLE SIZE: 11"

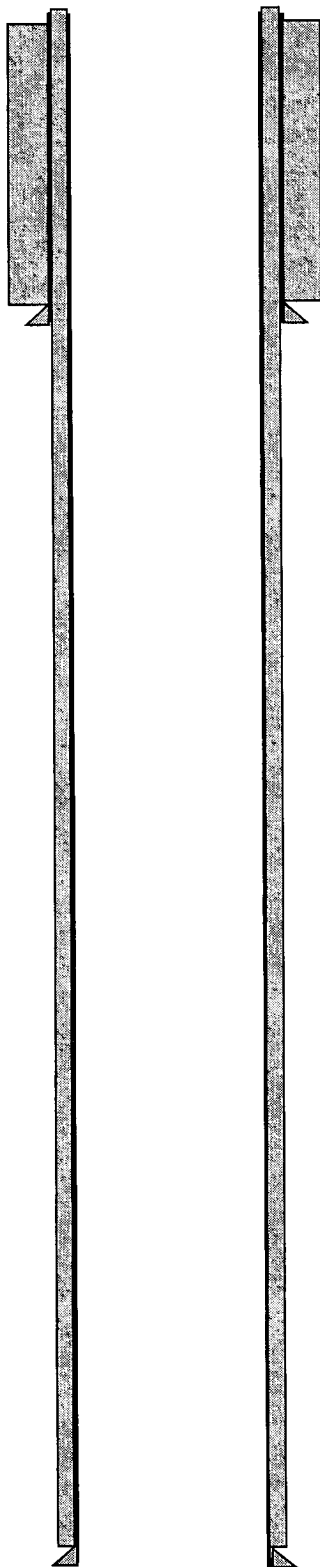
8.6 - 9.0 ppg WBM

HOLE SIZE: 7-7/8"

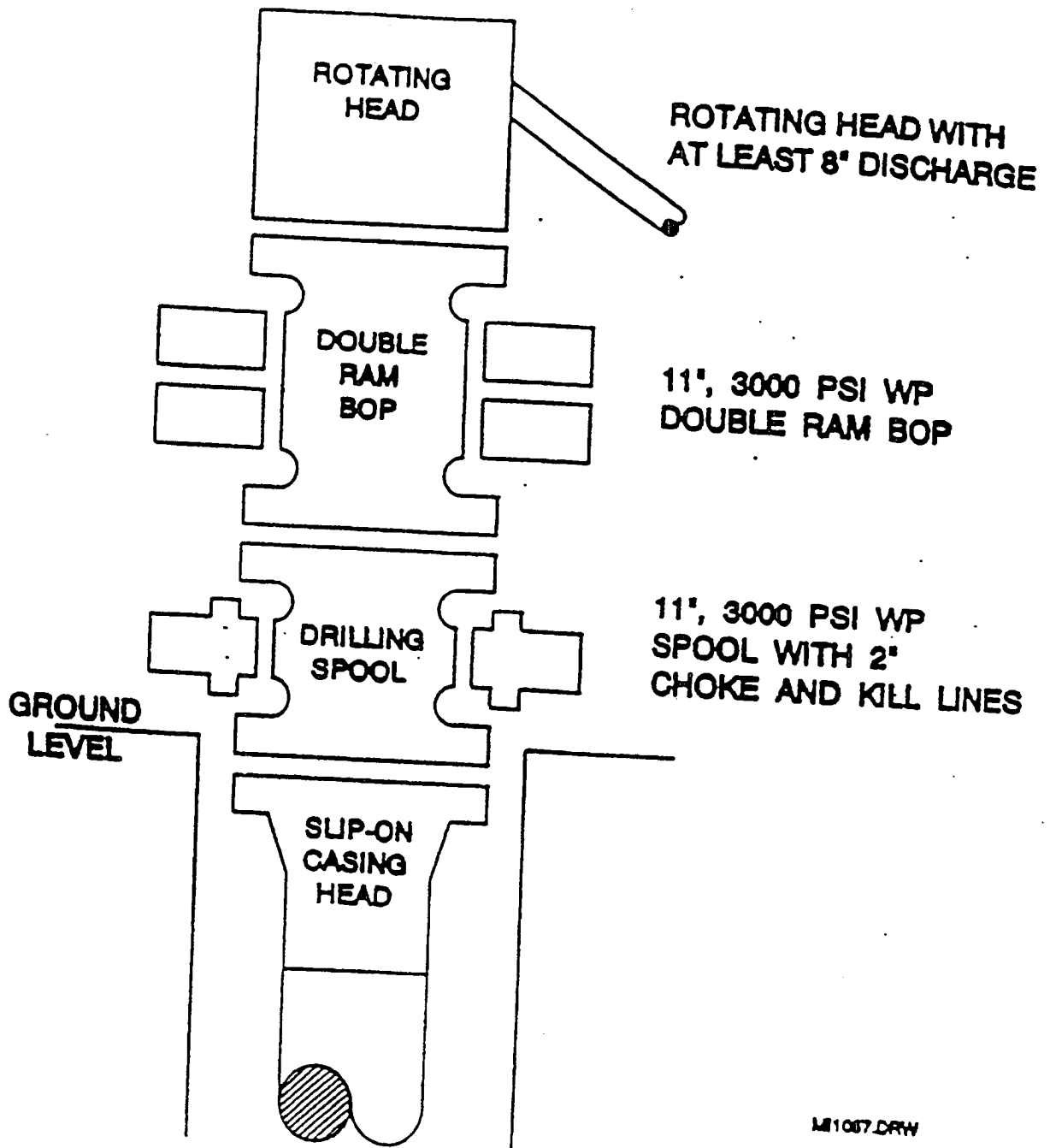
10.0 Brine

8-5/8", 24#, J-55, ST&C @ 600'
Cmt'd to surf

4-1/2", 11.6#, J-55, LTC @ 4000'
Cmt'd to surf

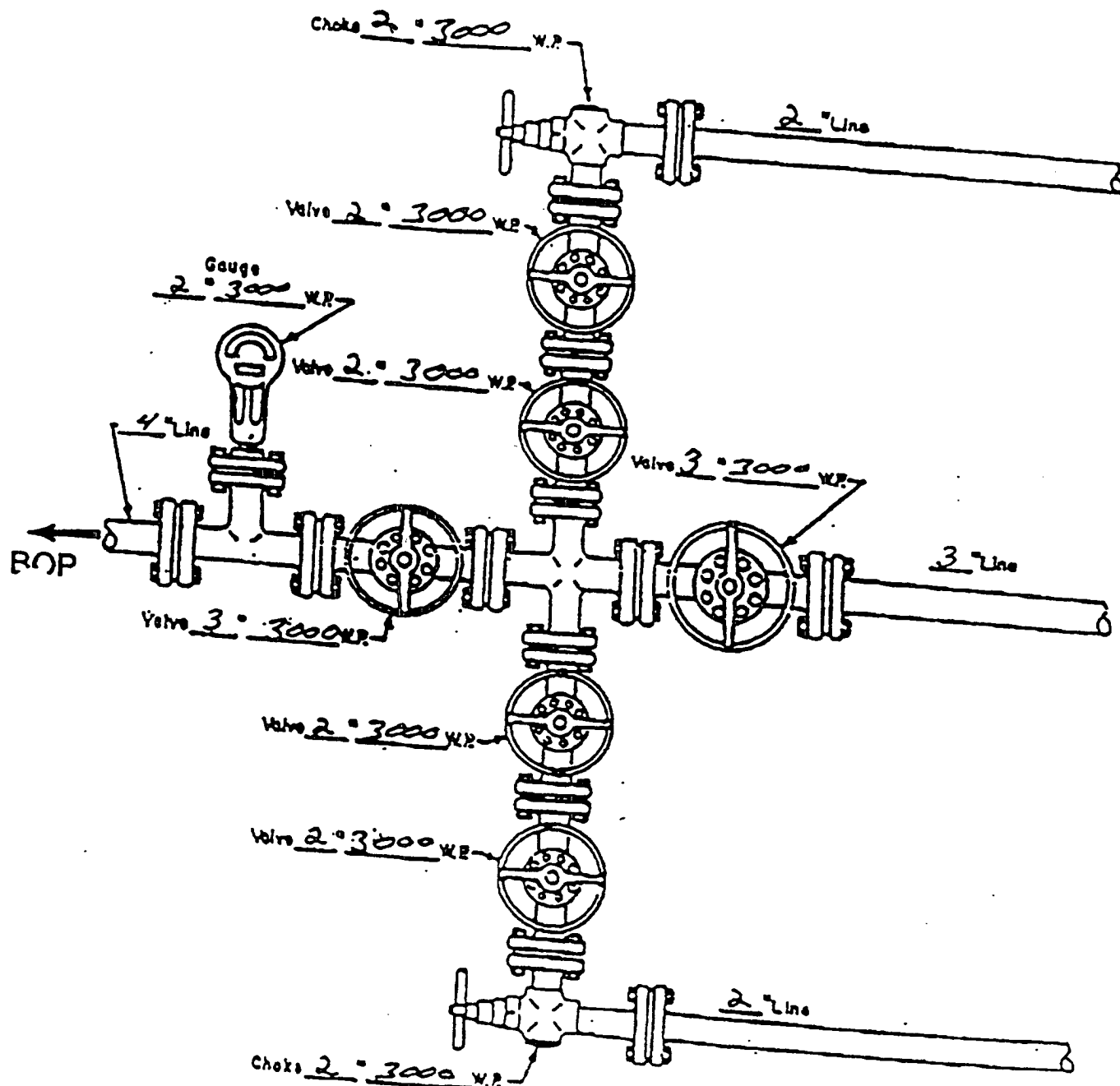


BOP SPECIFICATIONS



ME1007.DRW

CHOKE MANIFOLD DIAGRAM



MANIFOLD
3000 W.P.

- ☒ Manual
- ☐ Hydraulic