

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 77002		² OGRID Number 148381
⁴ Property Code 33493	⁵ Property Name STATE A A/C 2	³ API Number 30- 025-37566 ⁶ Well No. 088
⁹ Proposed Pool 1 JALMAT;TANSILL-YATES-7RIVERS (GAS) #79240		¹⁰ Proposed Pool 2

⁷ Surface Location

UL or lot no. I	Section 11	Township 22S	Range 36E	Lot. Idn	Feet from the 1980	North/South Line SOUTH	Feet from the 860	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 G	¹³ Cable/Rotary R	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 3519
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.

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

Permit Expires 1 Year From
Date Unless Drilling Underway

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 type="checkbox"/> , or an (attached) alternative OCD-approved plan <input checked="" type="checkbox"/> . Signature: <i>Nancy K. Gatti</i> Printed name: Nancy K. Gatti		OIL CONSERVATION DIVISION	
Title: Regulatory Manager		Approved by: <i>[Signature]</i> PETROLEUM ENGINEER	
E-mail Address: ngatti@petrohawk.com		Approval Date: NOV 22 2005	
Date: 11/17/05	Phone: 832-204-2700	Expiration Date:	
Conditions of Approval: Attached <input type="checkbox"/>			

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., Artec, 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 30-025-37566	Pool Code 79240	Pool Name Jalmat;tansill-yates-7rivers (gas)
Property Code 33493	Property Name STATE A A/C 2	Well Number 88
OGRID No. 148381	Operator Name MISSION RESOURCES CORPORATION	Elevation 3520'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	11	22 S	36 E		1980	SOUTH	860	EAST	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
same									
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</p> <p>Printed Name Regulatory Manager</p> <p>Title 11/17/05</p> <p>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>June 8, 2005</p> <p>Date Surveyed</p> <p>Signature & Seal of Professional Surveyor</p> <p>W.O. Num. 2005-0476</p> <p>Certificate No. MACON, McDONALD 12185</p>
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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 #88

Lea County, NM

1980' FSL & 860' FEL SEC 11, T22S, R36E

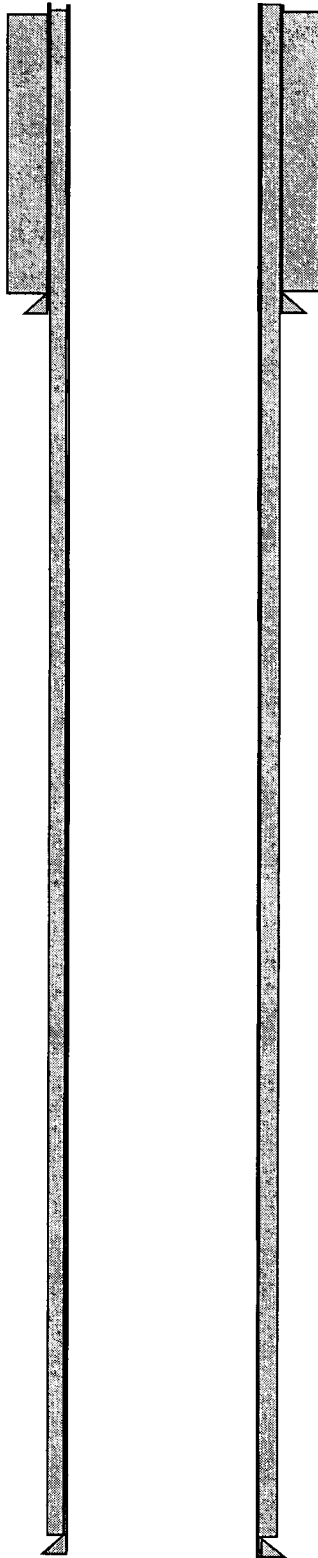
GL = 3520'
RKB = 3534'
RKB to GL = 14'

HOLE SIZE: 11"

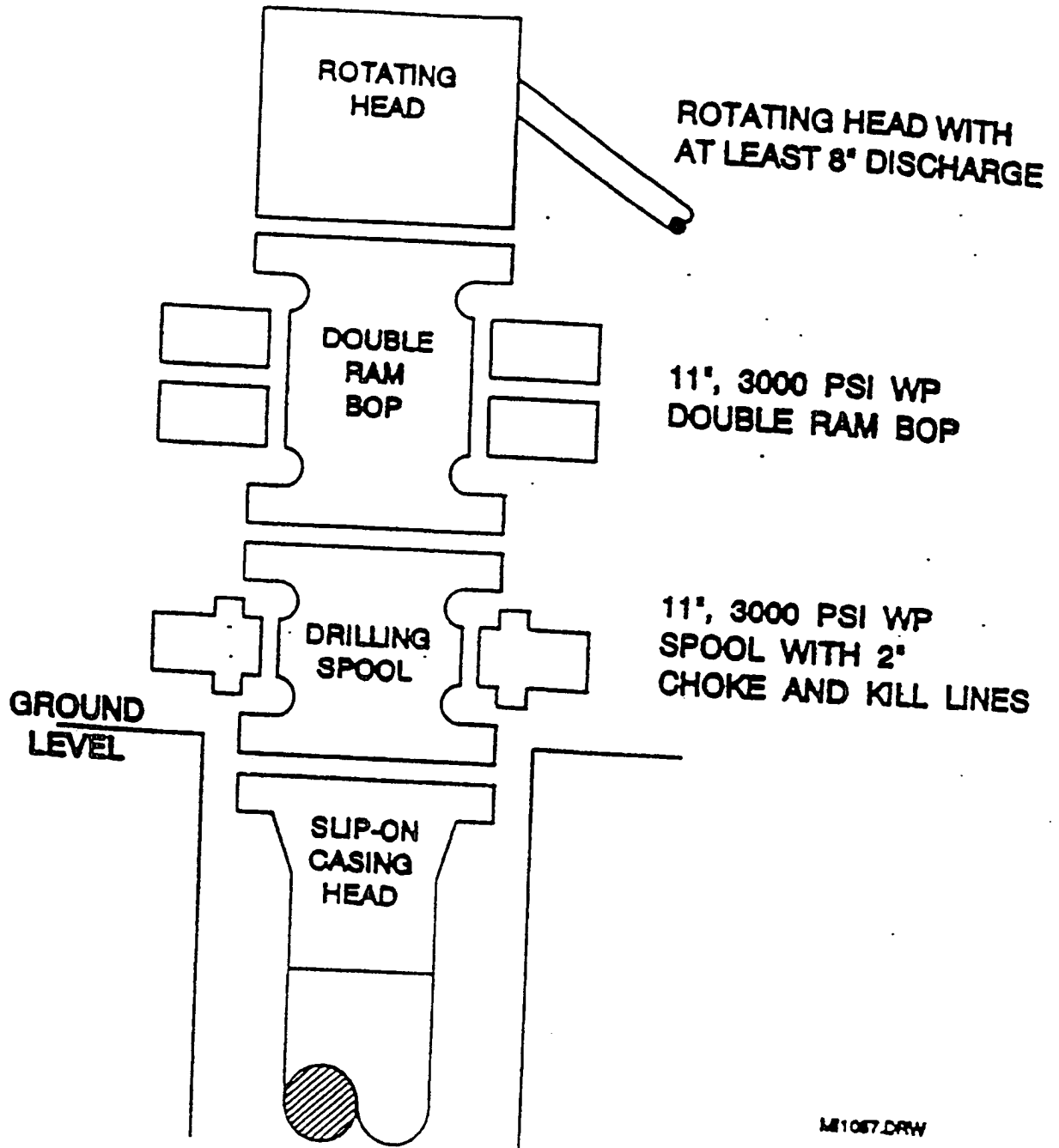
HOLE SIZE: 7-7/8"

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

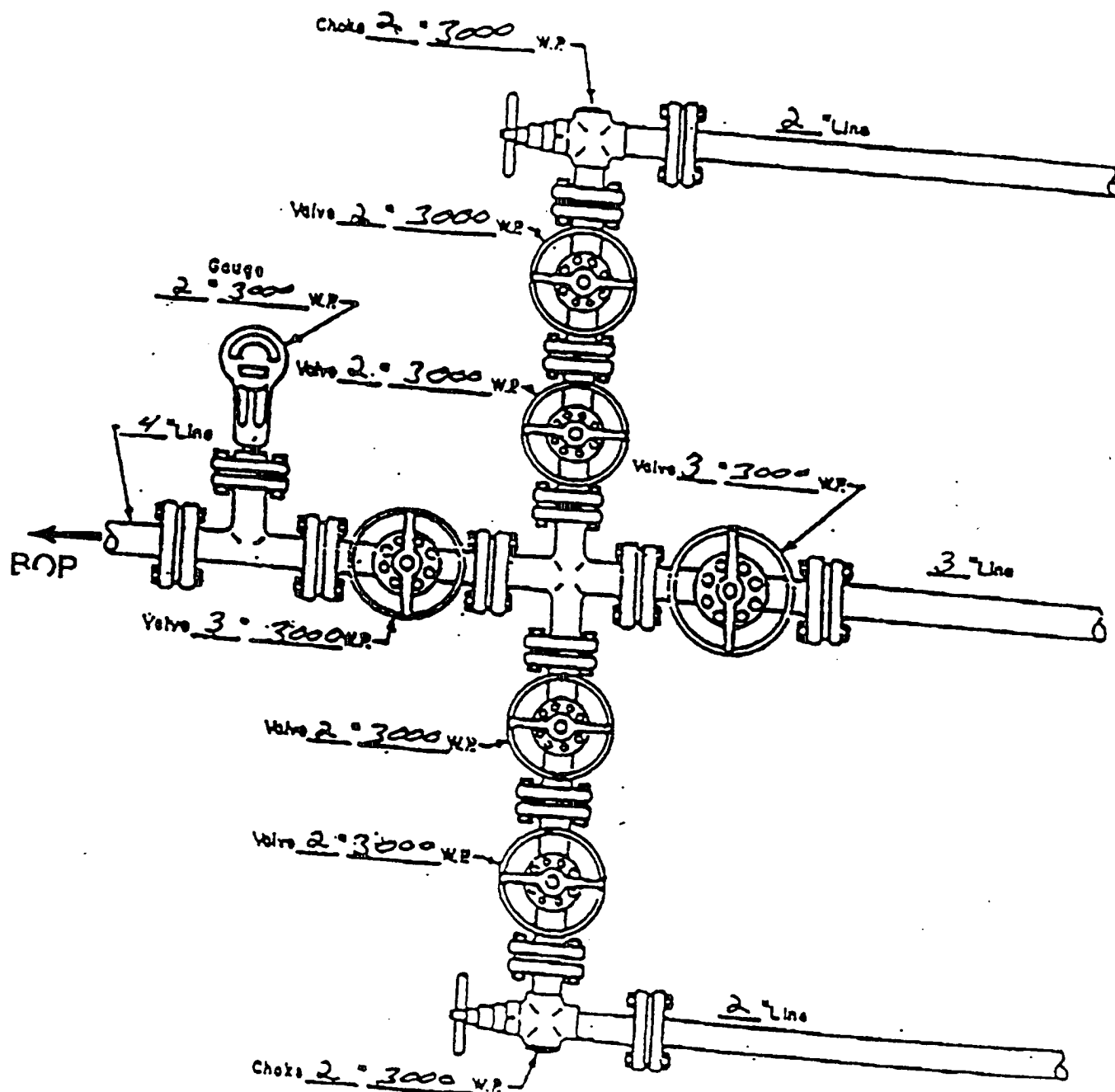


BOP SPECIFICATIONS



ME1067.DRW

CHOKE MANIFOLD DIAGRAM



MANIFOLD
3000 #W.P.

- ☒ Manual
- ☐ Hydraulic