

Submit 3 Copies  
to Appropriate  
District Office

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-103  
Revised 1-1-89

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

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

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

**OIL CONSERVATION DIVISION**

2040 Pacheco St.  
Santa Fe, NM 87505

WELL API NO.

5. Indicate Type of Lease  
STATE  FEE

6. State Oil & Gas Lease No.

**SUNDRY NOTICES AND REPORTS ON WELLS**  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A  
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"  
(FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name

J. L. MUNCY

1. Type of Well:  
OIL WELL  GAS WELL  OTHER

8. Well No.

6

2. Name of Operator  
Marathon Oil Company

9. Pool name or Wildcat  
TUBB (GAS), BLINEBRY (OIL & GAS)

3. Address of Operator  
P.O. Box 552 Midland, TX 79702

4. Well Location  
Unit Letter I : 1920 Feet From The SOUTH Line and 330 Feet From The EAST Line  
Section 24 Township 22-S Range 37-E NMPM LEA County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)  
3335' KB, 3323' GL

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

**NOTICE OF INTENTION TO:**

**SUBSEQUENT REPORT OF:**

PERFORM REMEDIAL WORK <input checked="" type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>		CASING TEST AND CEMENT JOB <input type="checkbox"/>	
OTHER: _____ <input type="checkbox"/>		OTHER: _____ <input type="checkbox"/>	

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

PROPOSE TO ADD PERFORATIONS AND STIMULATE THE BLINEBRY FORMATION.  
PLEASE REFER TO ATTACHED RECOMPLETION PROCEDURE AND ADMINISTRATIVE  
ORDER DHC-873.

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

SIGNATURE [Signature] TITLE DRILLING SUPERINTENDENT DATE 4/20/98

TYPE OR PRINT NAME D. P. NORDT TELEPHONE NO. 915/682-1682

(This space for State Use)

ORIGINAL SIGNED BY CHRIS WILLIAMS  
DISTRICT I SUPERVISOR

APR 24 1998

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

3  
2

## RECOMPLETION PROCEDURE

J. L. MUNCY NO. 6  
Drinkard Field  
1920' FSL and 330' FEL  
Section 24, T-22-S, R-37-E  
Lea County, New Mexico

AFE NO.: 653098

Date: January 14, 1998

Purpose: Add Perforations and Stimulate the Blinebry Formation.

Elevation: 3335' KB 3323' GL

Estimated Cost: \$86,000

Estimated Workover Duration: 11 days

WI: 75% NRI: 65.625%

Drillers TD: 7525'

PBTD: 7250' (CIBP at 7250' with 2 sk of crnt.)

Surface Casing: 10-3/4", 40.5#, K-55, casing at 1199'. Cemented with 700 sks. Circulated cement to surface.

Production Casing: 7", 23# & 26#, K-55, LT&C casing at 7524 with a DV tool at 4014'. Cemented with 2600 sks in two stages. Circulated cement to surface with both stages. (80% Burst = 3488 psi) ID: 6.276" Drift: 6.151"

Tubing: Longstring: 2-3/8", 4.7#, J-55, EUE tubing with parallel tubing anchor at 5820 - 22', a Baker tubing divider with 1.78" profile at +/- 5855', and a 7" Baker Lok-set packer at +/- 5863'.

Shortstring: 2-3/8", 4.7# J-55 tubing with an API seating nipple at 5808', a 4' perf sub at 5809' and a Baker J-Latch with capped bottom at +/- 5821'.

Rod string/Pump: 7/8" and 3/4" rods/ 2" \* 1-1/4" \* 16' IP

Existing Perforations: Blinebry (1 JSPF): 5511', 20', 28', 37', 43', 56', 64', 79', 87', 5605', 17', 28', 92', 5715', 22', 27', 46', 58', 97', 5802', 08', 20' (22 holes)

Tubb: (1 JSPF): 6003', 07', 39', 43', 50', 52', 61', 68', 71', 87', 91', 6100', 04' (13 holes)

Abandoned Perforations: Granite Wash: (1 JSPF) 7308, 10', 12', 22', 24', 26', 28', 31', 33', 35', 90', 92', 94', 96', 98', 7400' (16 holes)

Anticipated Bottom Hole Pressure: Blinebry - 500 psi

Current Production: Blinebry: 9/5/97) Pumped at the rate of 2 BOPD, and 109 MCFPD

Tubb: 7/20/97) Flowed 1 BOPD, 13 MCFPD and 1 BWPD with an FTP = 30 psig.

Safety Consideration: Run sufficient amount of killstring during any extended shut-in period.

2-3/8", 4.7#, J-55 Production Tubing - (80% Burst = 6738 psi) (80% Yield = 57384 lbs)  
2-7/8", 6.5#, N-80 Workstring - (80% Yield = 118,000 lbs)  
3-5", 9.3#, N-80 workstring - (80% Burst = 8128 psi)

1. Notify Hobbs Production personnel of impending workover. Hot water well with 2% Kcl water containing paraffin dispersants a minimum of 24 hours prior to moving in rig.
2. Inspect surface location and improve if necessary. Test safety anchors to 22,500#.
3. MIRUPU. Kill well as necessary with 2% KCL Water. Disconnect surface equipment. Hang off pumping unit. Lay down polish rod. POOH with 7/8" and 3/4" rod string and 1-1/4" insert pump.
4. ND wellhead. NU 7-1/16" 5M Hydraulic BOPE with 2-3/8" pipe rams and two valves below blind rams.

6. Unjap from on/off tool at +/- 5855'. POOH with 2-3/8" longstring, parallel tubing anchor and on/off tool. If successful in releasing on/off tool, POOH. RIH with on/off tool overshot on 2-7/8" N-80 workstring. Latch onto on/off tool. Release packer and POOH. Otherwise proceed with next step.
7. RU Electric Line Company, lubricator and frac valve. Pressure test lubricator to 1000 psi. RIH with 1-11/16" sinker bar to +/- 5855' to determine clearance through parallel tubing anchor. If successful run freepoint to indicate where tubing is stuck. Otherwise, Ru Coil Tubing Unit and jet clean tubing of scale and/or paraffin. RD coil tubing unit.
8. RIH with 1-11/16" chemical cutter and cut tubing +/- 15-20' above stuck pipe. RD Electric Line Company, lubricator and frac valve. POOH with 2-3/8" tubing.
9. Install 2-7/8" pipe rams. PU 2-7/8" \* 7" RBP and 2-7/8" workstring. RIH and set RBP at approximately 100'. POOH with tubing and setting tool. Pressure test blind rams to 1000 psi with 2% KCl water. RIH with 2-7/8" tubing. Latch onto RBP at +/-100'. Pressure test pipe rams to 1000 psi with 2% KCl water. Release RBP and POOH.
10. If stuck at anchor, PU 5-3/4" overshot with 2-3/8" grapple, bumper jars, oil jars, 6 - 4-1/8" drill collars and 2-7/8" workstring (Note: Fishing downhole assembly as per fishing operator recommendation) RIH and latch onto fish. Attempt to release on/off tool at +/- 5855'. If unsuccessful, RU Electric Line Company and RIH with 1-11/16" chemical cutter. Cut tubing at +/- 5840'. RD Electric Line Company. POOH with parallel tubing anchor and fishing tools.
11. RIH with 5-3/4" overshot with 2-3/8" grapple, bumper jars, oil jars, 6 - 4-1/8" drill collars and 2-7/8" workstring. Latch onto fish. Release packer at +/- 5863'. POOH with fishing tools and 7" Lok-set packer.
12. RIH with 6-1/8" bit and 7" casing scraper on 2-7/8" workstring to 6200', POOH. RIH 7" RBP with ball catcher and treating packer and seating nipple with standing valve in place on 2-7/8" workstring. Set RBP at +/- 5900'. Set packer at +/- 5890'. Pressure test tubing to 5000 psi. Retrieve standing valve with sand line. Pressure test RBP to 1000 psi. Release packer and POOH to 5450'.
13. Ru Acid Company. Install treating lines and frac valve. Acidize Blinbery perforations 5511-5820' with 5000 gals. of HV-60 acid and 35-1.3 SG ball sealers at 5 - 7 BPM as per attached service company recommendation. Flush to bottom perforation with 2% KCl water. RD Acid Company.
14. RU swab Equipment. Swab back spent acid load. RD swab equipment.
15. Release 7" treating packer at +/- 5450' and RIH and latch onto RBP at +/- 5900'. Release RBP and POOH to +/- 5500'. Reset RBP with ball-catcher at 5500'. Reset packer at +/- 5490'. Pressure test RBP to 1000 psi with 2% KCl water. Release packer and POOH.
16. RU Electric Line Company and lubricator. Pressure test lubricator to 1000 psi. RIH with 4" port guns w/ 23 gram Tungsten-lined charges and perforate Blinbery formation with 2 JSPF 120 Deg. Phasing at 5430-82' (104 holes). RD Electric Line Company.
17. RIH with RBP overshot, a 7" treating packer and a seating nipple with standing valve in place on 2-7/8" workstring. Set packer at +/- 5350'. Pressure test 2-7/8" tubing to 5000 psi. Retrieve standing valve with sandline.
18. RU Acid Company. Acidize Blinbery perforations 5430-5482' with 2500 gals. of 15% Ferchek acid and 150-1.3 SG ball sealers at 5-7 BPM as per attached service company recommendation. Flush to bottom perforation with 2% KCl water. RD Acid Company.
19. RU swab equipment. Swab back spent acid load. RD swab equipment. RIH and latch onto RBP at 5500'. Release RBP and POOH, laying down 2-7/8" workstring, 7" treating packer and RBP with ballcatcher.
20. Install 2-3/8" pipe rams and test. RIH with bull-plugged mud joint, a perforated sub, a seating nipple and TAC on 2-3/8" production tubing. Land tubing with seating nipple at +/- 6120' and TAC at 5400'. Set TAC at +/- 5400'.
21. ND BOPE. NU wellhead.
22. RIH with 1-1/4" IP on 3/4" and 5/8" rod string. Space out plunger. Reconnect surface equipment and hang well on.
23. RDMOPU.
24. Monitor Production and Producing Fluid Levels.

xc: D. K. Barker  
T. P. Kacir



BRUCE KING  
GOVERNOR

ANITA LOCKWOOD  
CABINET SECRETARY

STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION



POST OFFICE BOX 2088  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87504  
(505) 827-5800

**ADMINISTRATIVE ORDER DHC-873**

Marathon Oil Company  
P.O. Box 2409  
Hobbs, NM 88241-2409

Attention: S.P. Guidry

*J.L. Muncey Well No. 6  
Unit I, Section 24, Township 22 South, Range 37 East, NMPM,  
Lea County, New Mexico.  
Tubb Gas and Blinebry Oil and Gas Pools*

Dear Mr. Guidry:

**Reference** is made to your recent application for an exception to Rule 303-A of the Division Rules and Regulations to permit the subject well to commingle production from both pools in the wellbore.

It appearing that the subject well qualifies for approval for such exception pursuant to the provisions of Rule 303-C, and that reservoir damage or waste will not result from such downhole commingling, and correlative rights will not be violated thereby, you are hereby authorized to commingle the production as described above and any Division Order which authorized the dual completion and required separation of the two zones is hereby placed in abeyance.

In accordance with the provisions of Rule 303-C-4., total commingled oil production from the subject well shall not exceed 40 barrels per day, and total water production shall not exceed 80 barrels per day. The maximum amount of gas which may be produced daily from the well shall be determined by Division Rules and Regulations or by the gas allowable for each respective prorated pool as printed in the Division's Southeast Gas Proration Schedule.

Assignment of allowable to the well and allocation of production from the well shall be on the following basis:

Tubb Gas Pool:	Oil	0%,	Gas	83%
Blinebry Oil and Gas Pool:	Oil	100%,	Gas	17%

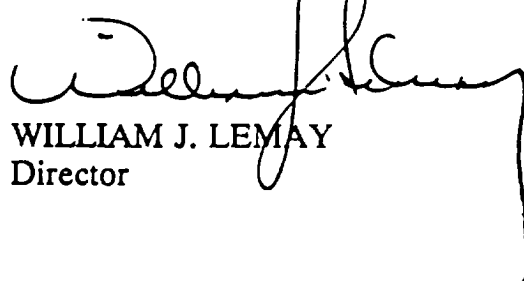
In accordance with the provisions of Rule 303-C, the supervisor of the Hobbs District Office of the Oil Conservation Division shall determine the proper allocation of production from the subject well following its completion.

FURTHER: The operator shall notify the Hobbs District Office of the Division upon implementation of the commingling process.

Pursuant to Rule 303-C-5, the commingling authority granted by the order may be rescinded by the Division Director if, in his opinion, conservation is not being best served by such commingling.

Approved at Santa Fe, New Mexico on this 4th day of February, 1993.

STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION



WILLIAM J. LEMAY  
Director

SEAL