

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 88240

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

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

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

WELL API NO. 30-025-25361
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
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.)

1. Type of Well: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER
2. Name of Operator Marathon Oil Company
3. Address of Operator P.O. Box 552, Midland, Texas 79702
4. Well Location Unit Letter <u>P</u> : <u>990</u> Feet From The <u>East</u> Line and <u>990</u> Feet From The <u>South</u> Line Section <u>24</u> Township <u>22S</u> Range <u>37E</u> NMPM Lea County

7. Lease Name or Unit Agreement Name J. L. Muncy
8. Well No. 5
9. Pool name or Wildcat Blinebry-Granite Wash

10. Elevation (Show whether DF, RKB, RT, GR, etc.) GR: 3323' KB: 3337'

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

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/>	REMEDIAL WORK <input checked="" type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
OTHER: <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
	CASING TEST AND CEMENT JOB <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.

Marathon Oil Company initiated operations on 6/7/91 to perforate, acidize, frac and test the Granite Wash formation and to acidize and test the Blinebry formation.

6/07/91 - RU PU. Found rods parted. Fished rods. POOH w/rods & pump. SD due to thunderstorm.
TL 0 TR 0

6/08/91 - Fished plunger from 2 1/16" shortstring w/slickline. Set 1.78" plug on profile nipple @ 7249'. Test plug to 2000 psig. Held OK. ND tree. NU BOP. POOH laying down 2 1/16" shortstring. Released on-off tool on longstring. POOH w/ 1 jt. SDFN.
TL 0 TR 0

(Continued on Page Two)

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

SIGNATURE Carl Bagwell TITLE Engineering Tech. DATE 8/16/91

TYPE OR PRINT NAME Carl Bagwell TELEPHONE NO. 915/687-8521

(This space for State Use)

APPROVED BY _____ TITLE _____ DATE AUG 26 1991

CONDITIONS OF APPROVAL, IF ANY:

Oil Conservation Division
J. L. Muncy #5
Continuation of Item 12

- 6/09/91 - RIH w/swab. FL @ 3400'. Made 16 swab runs & recov'd 75 BW. Ending FL = 5900'. Slight oil show increasing on last 3 swab runs. SWIFN.
TL 0 TR 0
- 6/10/91 - SD for Sunday.
TL 0 TR 0
- 6/11/91 - RIH w/swab. FL = 5600'. Made 17 swab runs & recov'd 36 B0 & 7 BW. FL = 6800'. Latched onto on-off tool. Worked w/pkr for 1 1/2 hrs. Could not release pkr. Released on-off tool. SDFN.
TL 0 TR 36 B0, 82 BW
- 6/12/91 - Pumped 30 B0 down tbg to wash around on-off tool & 1.78" plug. Latched onto on-off tool. Worked w/pkr for 2 hrs. Pkr came free. POOH w/2 3/8" J-55 prod tbg, on-off tool & Lok-Set pkr. RIH w/6 1/8" bit, bulldog bailer & 4-4 1/2" drill collars. Picked up 3 1/2" N-80 tbg. SDFN.
TL 30 B0 TR 36 B0, 82 BW
- 6/13/91 - FIH w/bit. Tagged @ 7424'. Cleaned out to 7456'. Plg on bailer stuck. POOH w/tools. Found bailer cavity full of frac sand & frac balls. SIH w/tools & 3 1/2" N-80 tbg (no change in tools). SDFN.
TL 30 B0 TR 36 B0, 82 BW
- 6/14/91 - FIH w/bit and bailer. Tagged @ 7443'. Cleaned out to 7469'. Plunger on bailer stuck. POOH w/tbg, bailer & bit. Recov'd frac sand & frac balls. RIH w/6 1/8" bit, bulldog bailer & 4-4 1/2" DC's on 3 1/2" tbg (no change in tools). Tagged @ 7469'. Cleaned out to 7476'. Plunger stuck on bailer. SOOH w/tbg & bailer. SDFN.
TL 30 B0 TR 36 B0, 82 BW
- 6/15/91 - FOOH w/bit & bailer. PU exchange bailer. RIH w/6 1/8" bit, bulldog bailer & 4-4 1/2" DC's on 3 1/2" N-80 tbg. Tagged @ 7476'. Drilled out float collar @ 7476'. Drilled cmt to 7488'. POOH w/tool & cleaned out bailer. SDFN.
TL 30 B0 TR 36 B0, 82 BW
- 6/16/91 - RIH w/6 1/8" bit, bulldog bailer, 4-4 1/2" DC's on 3 1/2" tbg. Tagged @ 7488'. Drilled cmt to 7507'. POOH w/tbg. Laid down DC's & bailer & bit. SDFN.
TL 30 B0 TR 36 B0, 82 BW
- 6/17/91 - SD for Sunday.
TL 30 B0 TR 36 B0, 82 BW
- 6/18/91 - RU Wedge. Perf'd Granite Wash w/4-DP-20 charges @ 7334', 43', 54', 70', 84', 94', 7408', 26', 32', 38', 46', 7452', 53', 58', 61', 62', 63', 64', 65', 66', 70', 76', 77' & 78' w/1 JSPF (24 holes). RD Wedge. RIH w/7" Halliburton RTTS pkr on 3 1/2" N-80 tbg. Hydrotesting tbg to 8000 psig above alips. SDFN.
TL 30 B0 TR 36 B0, 82 BW

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Oil Conservation Division
 J. L. Muncy #5
 Continuation of Item 12

- 6/19/91 - FIH w/tbg & pkr. Hydrotested tbg to 8000 psig. Set pkr @ 7200'. RU Dowell. Acidized Granite Wash perfs 7285'-7478' w/3500 gals 7 1/2% NEFE HCl & 60% CO₂ (43 tons). Used 122 7/8" ball sealers for divert. Saw good ball action. Max press = 4020 psig. Avg press = 2500 psig @ 5 bpm total (2 bpm fluid & 3 bpm CO₂). ISIP = 1000 psig. P5 = 770 psig. P10 = 610 psig. P15 = 530 psig. RD Dowell.² RU choke. SITP = 200 psig. Opened well to test tank on 22/64" chk. Well flowing back CO₂ (no fluid) f/4 hrs FTP = 400 psig. Chk back to 18/64" & left well flowing to test tank.
 TL 30 B0, 83 BA, 99 BW TR 36 B0, 82 BW
- 6/20/91 - FTP = 50 psig on 18/64" chk. Well flowed no fluid overnight. RIH w/swab. FL = 3500'. Made 27 swab runs in 9 hrs. Recov'd 22 B0 & 16 BW. EFL = 7200'. SWIFN.
 TL 30 B0, 83 BA, 99 BW TR 58 B0, 98 BW
- 6/21/91 - Released pkr. RIH to clear perfs. Pulled up & reset pkr @ 7200'. RU Dowell. Frac'd Granite Wash perfs 7285'-7478' w/86,240# 16/30 Ottawa Sand in WF-40 wtr gel & 107 tons CO₂, 60% CO₂. Ramped sand @ following schedule:
- | | | |
|-----------------------------------|-------------------------|---------------------------------|
| 100 bbls | WF-40 & CO ₂ | Pad |
| 6 bbls | WF-40 & CO ₂ | w/1 ppg 16/30 sand |
| 84 bbls | WF-40 & CO ₂ | w/2 ppg 16/30 sand |
| 101 bbls | WF-40 & CO ₂ | w/4 ppg 16/30 sand |
| 29 bbls | WF-40 & CO ₂ | w/6 ppg 16/30 sand |
| 26 bbls | WF-40 & CO ₂ | w/6 ppg 16/30 resin coated sand |
| Flush w/65 bbls CO ₂ . | | |
- 1465 Max press = 7100 psig. Avg press = 6000 psig @ 30 bpm. ISIP = 1600 psig. P5 = 1465 psig. P10 = 1378 psig. P15 = 1314 psig. RD Dowell. Left well SI (pumped 120 B0 down annulus during frac job to lessen differential across pkr). Tagged frac job.
 TL 150 B0, 83 BA, 393 BW TR 58 B0, 98 BW
- 06/22/91 - SITP = 750 psig. Opened well on 22/64" chk. Well flowed 46 BW in 7 1/2 hrs. FTP = 360 psig. Left well flowing to frac tank.
 TL 150 B0, 83 BA, 393 BW TR 58 B0, 98 BW
- 6/23/91 - Well flowed 27 BW overnight. FTP = 120 psig. Left well flowing to frac tank.
 TL 150 B0, 83 BA, 393 BW TR 58 B0, 125 BW
- 6/24/91 - Well flowed 0 BF overnight. FTP = 45 psig. Left well flowing to frac tank.
 TL 150 B0, 83 BA, 393 BW TR 58 B0, 125 BW
- 6/25/91 - Well flowed OBF overnight. FTP = 45 psig. Killed well w/lease crude. Released pkr. RIH & tagged @ 7432' (77' fill). POOH w/tbg & pkr. RIH w/6 1/8" bit & 4 1/2" Bulldog bailer on 3 1/2" N-80 tbg. Cleaned out frac sand to 7495'. SOH w/tbg. SDFN.
 TL 200 B0, 83 BA, 393 BW TR 58 B0, 125 BW

Oil Conservation Division
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Continuation of Item 12

- 6/26/91 - FOH w/tbg & bailer. Pick-up exchange bailer. RIH w/6 1/8" bit & 4 1/2" Bulldog bailer on 3 1/2" N-80 tbg. Tag @ 7495'. Clean out frac sand to PBTD - 7509'.
TL 200 B0, 83 BA, 393 BW TR 58 B0, 125 BW
- 6/27/91 - RU Western-Atlas. Run Prism Log from 7500' to 7100'. POH & RD W-A. RIH w/7" Baker Loc-Set pkr. w/blanking plug in profile nipple & on-off tool on 2 3/8" J-55 tbg. Set Loc-Set pkr. @ 7252'. Release on-off tool & POH. SIH w/7" Halliburton RBP & RTTS pkr. on 3 1/2" N-80 tbg. SDFN.
TL 200 B0, 83 BA, 393 BW TR 58 B0, 125 BW
- 6/28/91 - FIH w/RBP & pkr on 3 1/2" N-80 tbg. Set RBP @ 5834'. Test to 2000#. O.K. Pull up reset pkr @ 5392'. RU Dowell. Load & psi annulus to 500#. O.K. Acidize Blinebry perfs 5496'-5744' w/2500 gals 15% NEFE CH1 & 32 tons CO₂(60% CO₂). Used 70 - 7/8" RCN balls for divert. Saw slight ball action. Max - 620#, Avg. - 500# @ 5.6 bpm (total) Flush w/CO₂. ISIP - 230# Ps - 350#. RD Dowell. Open well on 22/64". Flowed well f/3 hrs. FTP - 200#. Decrease choke to 12/64". Left well flowing to frac tank.
TL 59 BA, 60 BW TR 0
- 6/29/91 - Well flowed 0 BF overnight. FTP - 50#. Open to full choke & blew well down. RIH w/swab. FL - 4000'. Swabbed 6 B0 & 24 BW in 9 hrs. FL scattered from 1800' to SN 5380'. SWIFN.
TL 59 BA, 60 BW TR 6 B0, 24 BW
- 6/30/91 - SITP - 300# Blew down - no flow. RIH w/swab. FL scattered from 3800' to SN @ 5380'. Made 11 swab runs in 4 hrs. Rec. 5 B0 & 10 BW. SWIFN.
TL 59 BA, 60 BW TR 11 B0, 34 BW
- 7/01/91 - Shut down f/Sunday.
TL 59 BA, 60 BW TR 11 B0, 34 BW
- 7/02/91 - SITP - 300# Blew well down. No flow. Release pkr RIH latch onto & release RBP. POH w/RBP & pkr. Laid down 3 1/2" workstring. RIH w/on-off tool on 2 3/8" J-55 tbg. SDFN.
TL 59 BA, 60 BW TR 11 B0, 34 BW
- 7/03/91 - Displace tbg w/lse crude. Latch onto on-off tool. Psi test on-off tool to 1000#. OK. Fish plug from profile nipple. RIH w/J-latch f/parallel anchor & 2 3/8" SN on 3/8" J-55 tbg w/turn down collars. Latch onto parallel anchor. SDFN.
TL 59 BA, 60 BW, 45 B0 TR 11 B0, 34 BW
- 7/04/91 - SITP - Longstring (Granite Wash) - 800#. Shortstring (Blinebry) - 300# Kill longstring w/lse crude. ND BOP. NU tree. Run into longstring w/1 1/4" bore rod pump on 3/4" & 7/8" steel rods. Load tbg w/lse crude & check pump

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Oil Conservation Division

J. L. Muncy #5

Continuation of Item 12

- 7/04/91 - action. OK. RU swab on shortstring. FL - 4200'. Made 4 swab runs in 2 1/2 hrs. Rec 9 B0 & 0 BW. FFL & scattered from 4500 to SN @ 7242. SWIFN.
TL BL 59 BA, 60 BW, 45 B0 TR BL 58 B0, 125 BW
GW 83 BA, 393 BW, 295 B0 GW 20 B0, 34 BW
- 7/05/91 - Granite Wash pumped 60 B0 & 0 BW in 15 hrs.
TL BL 59BA, 60 BW, 45 B0 TR BL 58 B0, 125 BW
GW 83 BA, 393 BW, 295 B0 GW 80 B0, 34 BW
- 7/06/91 - Granite Wash - No test. Pumping unit down. Blinebry - SITP - 325#. SICP - 325#. RIH w/swab. FL - 2400' to 7242' - scattered. Made 15 swab runs in 9 hrs. rec 8 B0 & 12 BW. FFL - scattered. SWIFN.
TL BL 59 BA, 60 BW, 45 B0 TR BL 58 B0, 125 BW
GW 83 BA, 393 BW, 295 B0 GW 88 B0, 46 BW
- 7/07/91 - Granite Wash - Well pumped 20 B0 & 0 BW overnight. Ajax down.
TL BL 59 BA, 60 BW, 45 B0 TR BL 58 B0, 125 BW
GW 83 BA, 393 BW, 295 B0 GW 108 B0, 46 BW
- 7/08/91 - Granite Wash - Pumped 21 B0 & 23 BW in 24 hrs.
TL BL 59 BA, 60 BW, 45 B0 TR BL 58 B0, 125 BW
GW 83 BA, 393 BW, 295 B0 GW 129 B0, 69 BW
- 7/09/91 - Granite Wash - No test. Pumping out test tank. Blinebry - SITP - 325#. SICP - 325#. RIH w/swab. FL scattered from 3800' to SN @ 7242'. Made 7 swab runs in 4 hrs. Rec. 2 B0 & 4 BW. FFL - scattered. SWIFN.
TL BL 59 BA, 60 BW, 45 B0 TR BL 60 B0, 129 BW
GW 83 BA, 393 BW, 295 B0 GW 129 B0, 69 BW
- 7/10/91 - Granite Wash - No test. Pumping out test tank. Start well on test through Port-A-Check. Blinebry - SITP = 325 psig. SICP = 325 psig. Installed plunger lift system. Flowed well to test separator @ battery.
TL BL 59 BA, 60 BW, 45 B0 TR BL 60 B0, 129 BW
GW 83 BA, 393 BW, 295 B0 GW 129 B0, 69 BW
- 7/11/91 - Granite Wash - Well pumped 1 B0 & 3 BW, then Ajax went down. Replaced governor & fuel gas regulator. Start well pumping.
Blinebry - Well flowed 3 B0 & 0 BW in 24 hrs.
TL BL 59 BA, 60 BW, 45 B0 TL BL 63 B0, 129 BW
GW 83 BA, 393 BW, 295 B0 GW 130 B0, 72 BW
- 7/12/91 - Granite Wash - No test. Well not pumping. RU PU. POOH w/rods & pump. SDFN.
Blinebry - Well flowed 2 B0, 2 BW & 159 MCF in 24 hrs.
TL BL 59 BA, 60 BW, 45 B0 TR BL 65 B0, 131 BW
GW 83 BA, 393 BW, 295 B0 GW 130 B0, 72 BW

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Oil Conservation Division
J. L. Muncy #5
Continuation of Item 12

- 7/13/91 - Granite Wash - RIH w/"gas buster" pump on rods. Loaded tbg w/12 B0. Well had good pump action. RD PU.
Blinebry - No test. Plunger lift RD from wellhead f/Granite Wash pump change. RU plg lift.
TL BL 59 BA, 60 BW, 45 B0 TR BL 65 B0, 131 BW
GW 83 BA, 393 BW, 297 B0 GW 130 B0, 72 BW
- 7/14/91 - Granite Wash - Well pumped 12 B0 & 12 BW in 24 hrs.
Blinebry - Well flowed 2 B0 & 5 BW & 58 MCFPD in 24 hrs.
TL BL 59 BA, 60 BW, 45 B0 TR BL 67 B0, 136 BW
GW 83 BA, 393 BW, 297 B0 GR 142 B0, 84 BW
- 7/15/91 - Granite Wash - Pumped 16 B0 & 14 BW in 24 hrs.
Blinebry - No test. Plg lift not working.
TL BL 59 BA, 60 BW, 45 B0 TR BL 67 B0, 136 BW
GW 83 BA, 393 BW, 297 B0 GW 158 B0, 98 BW
- 7/16/91 - Granite Wash - Well pumped 20 B0, 3 BW & 82 MCFD in 24 hrs.
Blinebry - Well flowed 0 B0, 0 BW & 64 MCFD in 24 hrs.
TL BL 59 BA, 60 BW, 45 B0 TR BL 67 B0, 136 BW
GW 83 BA, 393 BW, 297 B0 GW 178 B0, 101 BW
- 7/17/91 - Granite Wash - Well pumped 17 B0 & 2 BW w/135 MCFD.
Blinebry - Well flowed 0 B0 & 0 BW w/90 MCFPD.
TL BL 59 BA, 60 BW, 45 B0 TR BL 67 B0, 136 BW
GW 83 BA, 393 BW, 297 B0 GW 195 B0, 103 BW
- 7/18/91 - Granite Wash - Well pumped 18 B0 & 1 BW w/75 MCFG in 24 hrs.
Blinebry - Well flowed 0 B0 & 0 BW w/36 MCFG in 24 hrs.
TL BL 59 BA, 60 BW, 45 B0 TR BL 67 B0, 136 BW
GW 83 BA, 393 BW, 297 B0 GW 213 B0, 104 BW
- 7/19/91 - Granite Wash - Well pumped 18 B0, 1 BW & 95 MCF in 24 hrs.
Blinebry - Well flowed 0 B0, 0 BW & 34 MCF in 24 hrs.
TL BL 59 BA, 60 BW, 45 B0 TR BL 67 B0, 136 BW
GW 83 BA, 393 BW, 297 B0 GW 231 B0, 105 BW
- 7/20/91 - Granite Wash - Well pumped 2 B0, 3 BW & 83 MCF in 24 hrs.
Blinebry - Well flowed 0 B0, 0 BW & 42 MCF in 24 hrs.
TL BL 59 BA, 60 BW, 45 B0 TR BL 67 B0, 136 BW
GW 83 BA, 393 BW, 297 B0 GW 233 B0, 108 BW
- 7/21/91 - Granite Wash - Well pumped 10 B0, 1 BW & 82 MCF in 24 hrs.
Blinebry - Well flowed 0 B0, 0 BW & 49 MCF in 24 hrs.
TL BL 59 BA, 60 BW, 45 B0 TR BL 67 B0, 136 BW
GW 83 BA, 393 BW, 297 B0 GW 243 B0, 109 BW
- 7/22/91 - Granite Wash - Well pumped 8 B0, 1 BW & 82 MCF in 24 hrs.
Blinebry - Well flowed 0 B0, 0 BW & 49 MCF in 23 hrs.
TL BL 59 BA, 60 BW, 45 B0 TR BL 67 B0, 136 BW
GW 83 BA, 393 BW, 297 B0 GW 251 B0, 110 BW