

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

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

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

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

|   |
|---|
| WELL API NO.<br>30-025-25481  |
| 5. Indicate Type of Lease<br>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:<br>OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>                     | 7. Lease Name or Unit Agreement Name<br>Mark Owen              |
| 2. Name of Operator<br>Marathon Oil Company   | 8. Well No.<br>8   |
| 3. Address of Operator<br>P.O. Box 552, Midland, Texas 79702  | 9. Pool name or Wildcat<br>Wantz Granite Wash & Wantz Abo      |
| 4. Well Location<br>Unit Letter M : 760 Feet From The South Line and 760 Feet From The West Line<br>Section 35 Township 21S Range 37E NMPM Lea County | 10. Elevation (Show whether DP, RKB, RT, GR, etc.)<br>3373' GL |

|   |   |
|---|---|
| 11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data |   |
| <b>NOTICE OF INTENTION TO:</b>  | <b>SUBSEQUENT REPORT OF:</b>  |
| 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: Downhole commingling DHC-765 <input checked="" 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 to perforate, acidize and test the Abo and Granite Wash formations on 5/23/91 (per downhole commingling permit No. DHC-765 dated 8/29/90).

5/23/91 - Tested safety anchors. RU PU. POOH w/rods & pump. Killed Abo (Upper) w/lse crude. ND tree & NU BOP. POOH w/2 1/16" tbg (short string). Worked w/ 2 3/8" tbg for 1 hr. Could not release pkr. SDFN.  
TL 158 BO TR 0 BO

5/24/91 - SICP - 400 psig. SITP - Vac. Blow csg to frac tank. Killed csg w/60 BO. Worked w/pkr. Pkr came free. RIH & tag. POOH w/2- 3/8" tbg, on-off tool & Lok-Set pkr. Tallied out of hole. Tagged @ 7492'. RU Western-Atlas. RIH &

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

SIGNATURE Carl A. Bagwell TITLE Engineering Tech. DATE 7/16/91  
TYPE OR PRINT NAME Carl Bagwell TELEPHONE NO. 915/ 687-8521

(This space for State Use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

Oil Conservation Division  
 Mark Owen #8  
 Continuation of Item 12

- 5/24/91 - tag @ 7495'. Run GR-CC1 from PBTD (7495') to 6400'. POOH & RD Western-Atlas.  
 TL 218 BW TR 0 BO
- 5/25/91 - RU Western Atlas. RIH w/4" gun & perf Granite Wash @ 7224', 27', 43', 54', 56', 68', 7312', 16', 18', 20', 22', 28', 30', 36', 54', 58', 84', 87', 96', 98', 7410', 13', 16', 40', 47', 57', & 84' w/2 bullet spf (54 holes). Perf'd ABO 6547', 53', 6639', 57', 74', 91', 6722', 33', 45', 52', 60', 71', 74', 87', 95', 6803', 07', 21', 45', 51', 54', 56', 61', 89', 97', 6904', 08', 39', 46', 50', 57', 66', 77', 7026', 31', 38', 44', 55', 59', 63' & 68' w/2 bullet spf (total 84 holes). POOH & RD Western Atlas. SIH w/7" Halliburton RTTS pkr & SN on 2 7/8" N-80 tbg. Hydrotesting tbg to 8000 psig. SDFN.  
 TL 218 BO, 83 BW TR 0 BO
- 5/26/91 - FIH w/pkr & 2 7/8" N-80 tbg. Hydrotested tbg to 8000 psig. Set pkr @ 7109'. RU Western. Acidized Granite Wash perfs 7156-7487' w/3500 gals 7 1/2% NEFE HCl & 22 tons CO<sub>2</sub>. Used 155-7/8" ball sealers for divert. Saw no ball action. Flushed w/CO<sub>2</sub>. Max press = 3500 psig. Avg press = 3300 psig @ 5 bpm (2 bpm CO<sub>2</sub> & 3 bpm acid). ISIP = 2350 psig. 5 min = 2150 psig. 10 min = 2100 psig 15 min = 2000 psig, RD Western. RU chk & flowline to frac tank. SITP = 1800 psig. Opened well on 22/64" chk. Flowed on 22/64" chk 11 hrs. FTP = 320 psig. No fluid recovery. Left well flowing to frac tank.  
 TL 218 BO, 83 BW TR 0 BO
- 5/27/91 - FTP = 30 psig on 22/64" chk. No fluid recovery. Placed well on 12/64" chk & left flowing to frac tank.  
 TL 218 BO, 83 BW TR 0 BO
- 5/28/91 - Well dead. No fluid recovery. Left well on 12/64" chk to frac tank.  
 TL 218 BO, 83 BW TR 0 BO
- 5/29/91 - TP - dead. SICP = 450 psig. RIH w/swab. FL = 5000'. Made 3 runs & recov'd 19 BW tr of oil. FL = scattered from 6500' to SN @ 7103'. POOH w/tbg & pkr. RIH w/7" Halliburton RBP w/ball catcher & RTTS pkr on 2 7/8" N-80 tbg. Set RBP @ 7109'. Loaded tbg w/40 BO & tested RBP to 1000 psig. Held OK. Pulled up & reset pkr @ 6417'. SDFN.  
 TL 40 BO TR 0 BO
- 5/30/91 - RU Western Co. Loaded backside w/lse crude & pressured to 500 psig. Held OK. Acidized Abo perfs 6524-7018' w/7000 gals 15% NEFE & 60 tons of CO<sub>2</sub>. Max press 2300 psig. Avg press = 1200 psig @ 8 bpm (3.2 acid & 4.8 CO<sub>2</sub>). Used 155 ball sealers for divert. Saw slight ball action on 2nd & 3rd sets of balls. ISIP = 650 psig. 5 min press = 400 psig. 10 min = 400 psig, 15 min = 400 psig. RD Western. Placed well on 22/64" chk. Well flowed gas 3 hrs & died. RIH w/swab. FL = 800' FS. Made 1 swab run & well kicked off flowing. FTP = 400 psig on a 22/64" chk. Well flowed 14 BO in 2 hrs. Left well flowing to frac tank.  
 TL 40 BO TR 0 BO

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5/31/91 - Well flowed 61 B0 in 14 hrs on a 22/64" chk w/FTP of 250 psig. Left well flowir to frac tank.  
TL 40 B0, 167 BW TR 75 B0

6/01/91 - Well flowed 49 B0 & 21 BW in 24 hrs on a 22/64" chk. FTP = 100 psig.  
TL 40 B0, 167 BW TR 75 B0

6/02/91 - Well flowed 0 B0 & 8 BW in 24 hrs on a 32/64" chk. FTP = 60 psig.  
TL 40 B0, 167 BW TR 75 B0

6/03/91 - Well flowed 0 B0 & 8 BW in 24 hrs on a 32/64" chk. FTP = 60 psig.  
TL 40 B0, 167 BW TR 75 B0

6/04/91 - Well dead. Released pkr. RIH & released RBP. POOH laying down 2 7/8" N-80 workstring, pkr & RBP. RIH w/7" baker Lok-set pkr & Otis parallel anchor on 2 3/8" J-55 tbg. Pkr @ 7129'. Anchor @ 7057'. SDFN.  
TL 40 B0, 167 BW TR 75 B0

6/05/91 - RIH w/stinger for parallel anchor & SN on 2 1/16" N-80 tbg. Latched onto anchor No BOP. NU tree. RIH in long string 2 3/8" Granite Wash) w/BHP bomb to mid perms @ 7270'. SWI for BHP survey.  
TL 40 B0, 167 BW TR 75 B0

6/06/91 - POOH w/BHP bomb. Bomb chart indicated BHP not stabilized. RIH w/bomb to 7270'. SWI. SDFN  
TL 40 B0, 167 BW TR 75 B0

6/07/91 - POOH w/BHP bomb. RIH w/pump & rods. RD PU. RIH w/BHP bomb on shortstring (Wantz Abo) for static BHP. Started well pumping to battery - Wantz Granite Wash. Upper Wantz Abo. SI waiting on Port-a-Check.  
TL Abo 40 B0, 167 BW TR Abo 124 B0, 37 BW  
Gr Wash 218 B0, 83 BW TR GR Wash 0

6/08/91 - Granite Wash pumped 5 B0 & 0 BW in 24 hrs.  
TL Abo 40 B0, 167 BW TR Abo 124 B0, 37 BW  
Gr Wash 218 B0, 83 BW TR Gr Wash 5 B0, 0 BW

6/09/91 - No test. Production tank equalized into test tank.  
TL Abo 40 B0, 167 BW TR Abo 124 B0, 37 BW  
Gr Wash 218 B0, 83 BW TR Gr Wash 5 B0, 0 BW

6/10/91 - Well pumped 5 B0 & 0 BW in 24 hrs.  
TL Abo 40 B0, 167 BW TR Abo 124 B0, 37 BW  
Gr Wash 218 B0, 83 BW TR Gr Wash 10 B0, 0 BW

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6/11/91 - Granite Wash pumped 5 B0 & 0 BW in 24 hrs.  
TL Abo 40 B0, 167 BW TR Abo 124 B0, 37 BW  
Gr Wash 218 B0, 83 BW Gr Wash 15 B0, 0 BW

6/12/91 - Granite Wash pumped 4 B0 & 0 BW in 24 hrs.  
TL Abo 40 B0, 167 BW TR Abo 124 B0, 37 BW  
Gr Wash 218 B0, 83 BW Gr Wash 19 B0, 0 BW

6/13/91 - Well pumped 5 B0 & 0 BW in 24 hrs. RU PU. PCOH w/rods & pump. SDFN.  
TL Abo 40 B0, 167 BW TR Abo 124 B0, 37 BW  
Gr Wash 218 B0, 83 BW Gr Wash 24 B0, 0 BW

6/14/91 - Killed well w/lease crude. ND tree. NU BPO. Unlatched & POOH laying down  
2 1/16" IJ tbg. Released pkr & POOH w/ 2 3/8" J-55 tbg, parallel anchor & Loc-  
Set pkr. SIH w/MJ SN, & TAC on 2 3/8" J-55 tbg. SDFN.  
TL Abo 40 B0, 167 BW TR Abo 124 B0, 37 BW  
Gr Wash 218 B0, 83 BW Gr Wash 24 B0, 0 BW

6/15/91 - FIH w/ 2 3/8" J-55 prod tbg. ND BOP. NU tree. RIH w/ 1 1/4" rod pump on 3/4"  
& 7/8" steel rods. RD PU. Redo tree & flowline connection. Started well  
pumping to test tank @ battery.  
TL Abo 40 B0, 167 BW TR Abo 124 B0, 37 BW  
Gr Wash 218 B0, 83 BW Gr Wash 24 B0, 0 BW

6/16/91 - Well down. Electrical breakers kicked out. Pumping unit needs to be rebalanced  
TL Abo 40 B0, 167 BW TR Abo 124 B0, 37 BW  
Gr Wash 218 B0, 83 BW Gr Wash 24 B0, 0 BW

6/17/91 - Well down. Will rebalance PU Monday a.m.  
TL Abo 40 B0, 167 BW TR Abo 124 B0, 37 BW  
Gr Wash 218 B0, 83 BW Gr Wash 24 B0, 0 BW

6/18/91 - Rebalanced pumping unit. Started well pumping on test & battery. 9 spm - 120"  
TL Abo 40 B0, 167 BW TR Abo 124 B0, 37 BW  
Gr Wash 218 B0, 83 BW Gr Wash 24 B0, 0 BW

6/19/91 - Well pumped 176 B0 & 44 BW in 20 hrs.  
TL 33 B0, 240 BW TR 200 B0, 44 BW

6/20/91 - Well pumped 113 B0 & 41 BW in 24 hrs.  
TL 333 B0, 250 BW TR 533 B0, 85 BW

6/21/91 - Well pumped 36 B0 & 8 BW. Found pumping unit down. Reset thrown electrical  
breaker. Left well pumping.  
TL 333 B0, 250 BW TR 569 B0, 93 BW

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6/22/91 - Well pumped 55 B0 & 0 BW in 24 hrs.

6/23/91 - Well pumped 27 B0 & 0 BW in 24 hrs.

6/24/91 - Well pumped 19 B0 & 0 BW in 24 hrs.  
TL 333 B0, 250 BW TR 670 B0, 93 BW

6/25/91 - Well pumped 13 B0 & 5 BW in 24 hrs.  
TL 333 B0, 250 BW TR 670 B0, 93 BW

6/26/91 Well pumped 14 B0 & 3 BW in 24 hrs.  
TL 333 B0, 250 BW TR 711 B0, 106 BW

FINAL REPORT.