

Submit 3 Copies To Appropriate District
Office
District I
1625 N. French Dr., Hobbs, NM 87240
District II
1301 W. Grand Ave., 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 and Natural Resources

Form C-103
May 27, 2004

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. 30-025-34327
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name: Bertha Barber
8. Well Number 18Y
9. OGRID Number 14021
10. Pool name or Wildcat Monument Blinebry (46990)

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 3487 Houston, TX 77253-3487
4. Well Location Unit Letter <u>L</u> : <u>1766</u> feet from the <u>South</u> line and <u>663223</u> feet from the <u>West</u> line Section <u>5</u> Township <u>20-S</u> Range <u>37-E</u> NMPM, County <u>Lea</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3559' GR
Pit or Below-grade Tank Application <input type="checkbox"/> or Closure <input type="checkbox"/>
Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____
Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPLETION <input type="checkbox"/>
OTHER: <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

REMEDIAL WORK <input checked="" type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
CASING TEST AND CEMENT JOB <input type="checkbox"/>	
OTHER: <input type="checkbox"/>	

13. 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. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Marathon Oil Company has completed operations to add perforations to the Upper Blinebry in the Bertha Barber No 18Y. Marathon set a CIBP @ 5951' and dumped 10' of cmt on the CIBP to isolate the lower Blinebry perms, and added perforations in the upper Blinebry. Please see attachment for details of well work completed.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOC guidelines ☐ , a general permit ☐ or an (attached) alternative OCD-approved plan ☐

SIGNATURE Charles E. Kendrix TITLE Reg Compliance Rep DATE 07/11/2007
E-mail address: cekendrix@marathonoil.com
Telephone No. 713-296-2096

For State Use Only

APPROVED BY Larry W. Wink TITLE _____ DATE JUL 16 2007
Conditions of Approval, if any:

Bertha Barber No 18Y

Isolate Existing Blinebry Perfs

Add Upper Blinebry Perfs and Acidize

04/26/07 MIRU PU. MIRU Reverse Unit. Unbeam well. Unseat pump. POOH w/ rods and rod insert pump. SI Well.

04/27/07 Install BOPE. Unset TAC. POOH w/ production tbg & BHA. RIH w/ 20 jt kill string. SI Well

04/30/07 Kill well w/ 30 bbls fresh water. POOH w/ kill string. RIH w/ RBP & 2 jts 2 7/8" tbg. Set RBP @ 60'. Load and test BOPE, Flange, and 2 7/8" pipe rams to 3000 psi. POOH w/ tbg. Test blind rams to 3000 psi. RIH retrieve RBP. POOH. RIH w/ 5 1/2" CIBP, on 191 jts 2 7/8" tbg. Set CIBP @ 5951', 97' above top of existing Blinbry perforations. Circ hole w/ 140 bbls fresh water. Test CIBP to 200 psi. PUH w/ tbg. End of Tbg @ 5817' w/ 186 jts. RU McClaskey acid truck. Pump water to break circ. Pumped 126 gals 15 HCL acid. Spot acid w/ 32.5 bbls water. RD acid truck. POOH w/ tbg, & setting tool. SI well.

05/01/07 RU Baker Atlas perforators. RU test lubricator to 1000 psi. RIH w/ 3 1/8" Gamma Ray and Dual fire gun carrier w/ 311T 23 gram charges, w/ 2 JSPF, 120° phasing. Perforated top down in acid 4 intervals w/ 4 gun runs as follows:

Interval	Feet	Shots
5705' – 5710'	5	8
5742' – 5750'	8	14
5786' – 5806'	20	38
5812' – 5816'	4	6
Totals	37'	74 shots

RIH w/ dump bailer. Dump 10' cmt on top of CIBP@ 5951'. New PBTD@ 5941'. RD Baker Atlas. RU tbg tester. RIH testing 2 7/8" tbg. RIH w/ 5 1/2" Arrow set Pkr, 2 7/8' F nipple, Profile nipple, on/off tool, 4' tbg sub, SN, 120 jts 2 7/8" J-55 tbg. Left prk @ 3800' SI well.

05/02/07 Cont in hole w/ remaining 68 jts 2 7/8" tbg. (168 jts total). Set pkr @ 5876'. Pressure test tbg, TIW valve, casing below pkr, pkr, and CIBP. Released pkr. RUH w/ 10 jts tbg. POOH & set pkr @ 5598' on 179 jts tbg. Load and test annulus. Held pressure. Test surface lines to 5000 psi. Load and monitor casing annulus. Establish rate into new Blinebry perfs. Pump 5000 gals 15% NEFEHCl acid w/ 163 ball sealers. Balled out 7 bbls into flush stage. SI and allowed press to drop. Cont pumping flush. Repeated SI and cont pumping through 3 more ball outs. SI well. Total load to recover 170 bbls.

05/03/07 Tbg on vacuum. Csg=0 psi. Unset pkr. RIH w/ 9 jts 2 7/8" tbg to knock off balls. Reset pkr @ 5598'. Load csg annulus w/ 20 bbls. Swab well IF level @ 1000'. Made 28 swab runs, recovered 197 bbl water. FF level @ 2400' to 4400' w/ scattered fluid and gas. SI Well.

05/04/07 TP = 200 psi. CP=0. Bled down tbg. RU swab. IF level @ 2000'. Made one swab run with a lot of oil. Load csg annulus w/ 4 bbls water. Unset pkr. POOH and lay down 12 jts 2 7/8" tbg. POOH w/ remaining 167 jts tbg. Layed down pkr assembly. RIH w/ 2 7/8" bull plugged perforated tbg sub, SN, 2 jts Enduro Alloy tbg, 9 jts 2 7/8" J-55 tbg, 5 1/2" TAC, 177 jts 2 7/8" J-55 tbg and tbg subs, and 1 jt 2 7/8" tbg. Set TAC @ 5579' w/ 12 pts tension, SN @ 5925, Bottom of tbg @ 5931'. Installed well head. RU to run rods & pump. SI Well.

05/05/07 RIH w/ rods and pump. Hung well on. L&T tbg and pump action. Leave well producing to facilities.

05/07/07 Check well not pumping. Rods parted. Fished and hung back on. Pumping to facility.

05/08/07 Check well. Well pumping. RDMO PU.