

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. 30-025-32385
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 14
9. OGRID Number 014021
10. Pool name or Wildcat Eumont (Y, SR, ON)

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 type="checkbox"/> Gas Well <input checked="" 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 M : 330 feet from the South line and 730 feet from the West line Section 32 Township 19-S Range 37-E NMPM County Lea
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3572' GL KB: 3585
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 ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPLETION ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☒ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☐
OTHER: **Cement Squeezed UPPER Perfs. (ONLY)** ☒

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 has completed operations to cement squeeze the Upper Eumont- Bertha Barber # 14 well. Please see the attached document describing the work performed.

Note: Perfs were added, acidized and sand fraced in June 2004

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 NMOCD guidelines ☐ , a general permit ☐ or an (attached) alternative OCD-approved plan ☐

SIGNATURE Charles E. Kendrick TITLE Engineering Technician DATE 02/09/2005
E-mail address: cekendrix@marathonoil.com
Type or print name **Charles E. Kendrick** Telephone No. **713-296-2096**

For State Use Only

APPROVED BY [Signature] TITLE PETROLEUM ENGINEER DATE FEB 21 2005
Conditions of Approval, if any:

Bertha Barber No. 14

Unit M. Section 32, T-19-S, R- 37-E
Lea County, New Mexico

- 08/23/2004** RU pulling Unit. RU to pull rods and pump. Unseat Pump. POOH w/ 113-3/4" rods and pump. Install BOPE. POOH w/ 93 Jts 2-3/8" tubing.
- 08/24/2004** RU sand line. RIH w/ sand line Tag CIBP @ 2970'. POOH w/ sand line. RU to run packer and tubing. RIH w/ mechanical collar locator, packer and 83 jts 2-3/8" tubing. Set packer @ 2570'. Isolate to swab test perforations f/ 2597'-2851'. RU swab. Chlorides tested @ 230,000mg/liter. Released packer. RIH w/mechanical collar locator, packer and 85 Jts 2-3/8" tubing. Set packer @ 2690'. Isolate to swab test perforations f/ 2705'-2851'.
- 08/25/2004** RU swab. Made 45 swab runs. Chlorides tested @ 230,000 mg/liter. RD swab
- 08/26/2004** RU swab. Made 32 swab runs. RD swab.
- 08/27/2004** Release packer. POOH w/ 85 Jts 2-3/8" tubing, packer, and mechanical collar locator. RU cementers. RIH w/ cement retainer, setting tool and 78 Jts 2-3/8" tubing. Set Cement retainer @ 2436'. Circulated hole, tested tubing to 2000 psi, pumped through retainer, and loaded and tested annulus to 500 psi. Pumped 28 BBLs cement (100 sks cement) Pumped 100 sks premium plus cement w/ 4% gel, 3#/sk gilsonite, 14 ppg, 1.57 cuft/sk, w/ 7.63 gal/sk. RD cementers. POOH w/ 78 Jts 2-3/8" tubing and retainer setting tool.
- 08/30/2004** RIH w/ bit, drill collars, and 2-3/8" tubing. Tag cement retainer @ 2433' with bit, BHA, and 74 Jts 2-3/8" tubing. RU stripper head and swivel. Start circulating reverse w/ water. Drilled cement from 2436' to 2517'. Circulate hole clean. PUH one joint w/ bit.
- 08/31/2004** POOH w/ tubing, drill collars and bit. Change bit. RIH w/ new bit, drill collars, and 2-3/8" tubing. Tag cement @ 2517' with bit, BHA and 89 jts 2-3/8" tubing. RU stripper head and swivel. Start circulating reverse w/ water. Drilled cement from 2517' to 2851'. Fell out of cement @ 2851'. Circulate hole clean. Pressure test cement squeezed perforations to 500 psi. POOH w/ tubing, drill collars and bit. RIH w/ seating nipple and 93 Jts 2-3/8" tubing. Seating nipple @ 2858'. RU swab. Made 15 swab runs. RD swab.
- 09/01/2004** RU swab. POOH w/ tubing and seating nipple. RIH w/ bit, drill collars, and 2-3/8" tubing. Tag CIBP @ 2978' with bit, BHA and 93 jts 2-3/8" tubing. RU stripper head and swivel. Start circulating reverse w/ water. Drilled out CIBP. Chased CIBP downhole to 3440' on 108 Jts tubing. POOH w/ tubing, drill collars and bit. RIH w/ bit, drill collars, and 2-3/8" tubing.

Bertha Barber No. 14

Unit M. Section 32, T-19-S, R- 37-E
Lea County, New Mexico

- 09/02/2004** RIH w/ tubing. Tag @ 3440' on 108 Jts. RU swivel, flowback line and air unit. Start circulating with air. Drill from 3440' to 3547' w/ 112 Jts in hole. Circulate clean. POOH w/ tubing and BHA. RIH w/ kill string
- 09/03/2004** POOH w/ kill string. RU tubing tester. RIH w / 2-3/8" bull plugged mud joint, perforated tubing sub, seating nipple, alloy tubing joint, and 112 Jts 2-3/8" tubing, 2-3/8" x 4' tubing sub and 1 Jt 2-3/8" tubing. Hydrotested all tubing in well. Seating nipple @ 3843' and bottom of tubing @ 3518'. RD tubing tester. Remove BOPE. Install well head. RIH w/ pump and 138-3/4" steel rods. Seat pump. Space out pump. Hang well on.
- 09/07/2004** RDMO pulling unit.