

C/SI

Cons.  
N.M. DIV-Dist. 2  
1301 W. Grand Avenue  
Artesia, NM 88210

Form 3160-5  
(June 1990)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

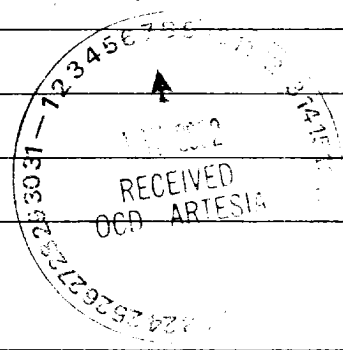
**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well     Gas Well     Other

2. Name of Operator  
**Marathon Oil Company**

3. Address and Telephone No.  
**P.O. Box 2490, Hobbs, New Mexico 88240**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**2310' FSL & 660' FWL  
 Section 17, T20S, R29E**



5. Lease Designation and Serial No.  
**NM - 01165**

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.  
**Yates Federal #17**

9. API Well No.  
**3001526747**

10. Field and Pool, or Exploratory Area  
**Burton East Flat**

11. County or Parish, State  
**Eddy County, NM**

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent <input checked="" type="checkbox"/> Subsequent Report <input type="checkbox"/> Final Abandonment Notice	<input checked="" type="checkbox"/> Abandonment <input type="checkbox"/> Recompletion <input type="checkbox"/> Plugging Back <input type="checkbox"/> Casing Repair <input type="checkbox"/> Altering Casing <input type="checkbox"/> Other _____
	<input type="checkbox"/> Change of Plans <input type="checkbox"/> New Construction <input type="checkbox"/> Non-Routine Fracturing <input type="checkbox"/> Water Shut-Off <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

**SEE ATTACHED SHEET**

Post PR

Approved as to plugging of the well bore.  
Liability under bond is retained until  
surface restoration is completed.

Accepted for record - NMOCD

RECEIVED  
OCD FIELD OFFICE  
APR 26 AM 9 00

14. I hereby certify that the foregoing is true and correct

Signed *James F. Newman* Title James F. Newman, PE Date 4/18/02

(This space for Federal or State office use)  
 Approved by (ORIG. SGD.) ALEXIS C. SWOBODA Title PETROLEUM ENGINEER Date MAY 08 2002

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

## Daily Activity Report

**Marathon Oil Company**  
**Yates Federal #17, Eddy County, New Mexico**

**03/21/02** Dug, lined & fenced working pit. Bled down well and broke wellhead bolts. Notified BLM, Homer. MIRU Triple N #24. ND wellhead, NU BOP. POOH w/ 105 jts 2-3/8" tubing, no packer, tally 3,208.41'. RIH w/ tbg to 3,218', tagged PBTD. RU cementer and circulated hole w/ mud, pumped 25 sx C cmt 3,218 – 2,848'. POOH w/ tbg. SDFN.

**03/22/02** RIH w/ wireline and cut casing @ 2,214'. POOH w/ wireline. RU casing tools, POOH w/ 59 jts 4½" casing. RD casing tools and RIH w/ tbg to 2,264'. Pumped 35 sx C cmt w/ 3% CaCl<sub>2</sub> @ 2,264'. PUH w/ 20 stands and WOC. RIH w/ wireline and tagged cmt @ 2,018'. POOH w/ wireline. RIH w/ tbg to 1,305' and pumped 25 sx C cmt @ 1,305'. POOH w/ tbg and SD for weekend.

**03/25/02** BLM Homer on location. Checked pressures: 7 x 9-5/8" 6 psi in 30 minutes (left open all weekend). RIH w/ tbg to 1,169', tagged cmt. POOH w/ tbg. RIH w/ wireline and perforated @ 1,030' w/ four 3½" strip charges, 90° phasing. POOH w/ wireline. Pressured up to 1,325 psi, held. RIH w/ packer to 1,100' and WO acid. RU acidizers and spotted 500 gal 15% NeFe. POOH w/ packer to 550' and set. Established rate at 2 BPM @ 1,890 psi. Pumped 27 bbls flush and bled off 3 bbls. RU cementer and established rate of 1 BPM @ 1,300 psi and squeezed 100 sx C neat, squeezed off at 2,000 psi w/ 5 bbls displacement gone. POOH w/ packer and RIH w/ tbg to 915'. Reversed clean. POOH w/ 6 stands and RIH w/ packer on one stand. Set packer and pressured up to 2,000 psi. Bled off 1,000 psi. SDFN.

**03/26/02** Tubing dead. 13-3/8" dead. 9-5/8" builds to 25 psi in 30 minutes (open overnight). POOH w/ packer and RIH w/ tbg, tagged cmt @ 962'. POOH w/ tbg and WOO. RIH w/ wireline and perforated casing @ 932' w/ eight 3½" strip shots, 45° phasing. POOH w/ wireline. RIH w/ and perforated casing @ 904' w/ eight 3½" strip shots, 45° phasing. POOH w/ wireline. RIH w/ packer to 947'. Pumped 500 gal 15% NeFe. POOH w/ packer to 488'. Set packer and broke down perforations, 3 BPM @ 1,600 psi. POOH w/ packer and RIH w/ CICR to 855', set CICR. RU cementer and checked rate, squeezed 95 sx C cmt, squeezing off 2,050 psi. Stung out of CICR and reversed out 5 sx cmt to pit. POOH w/ tbg. SI well and SDFN.

**03/27/02** Tubing dead. 13-3/8" dead. 9-5/8" builds to 20 psi in 30 minutes (open overnight). WOO. RU Baker Hughes Wireline. Ran CBL w/ & w/o 1,000 psi. pressure. RIH w/ wireline to 842' and shot UZI gun, 36 jspf, 10° phasing. POOH w/ wireline and RIH w/ wireline, shot 2<sup>nd</sup> UZI gun @ 842'. POOH, RD Baker Hughes. RIH w/ tbg to 855'. SI well, SDFN.

**03/28/02** RU acidizers and pumped 750 15% NeFe 855 – 413'. POOH w/ tbg. RIH w/ packer to 305'. Established rate of 3 BPM @ 700 psi and flushed w/ 25 bbls brine. POOH w/ packer. RIH w/ cement retainer and set @ 755'. RU Halliburton and checked rate, squeeze 100 sx thixotropic cement, displacing to CICR. Stung out and reversed tubing clean. POOH w/ tbg and pressure up on 9-5/8" to 1,000 psi. SI well and SD for Easter weekend.

**04/01/02** 9-5/8" 8 psi in 30 minutes. POOH laying down tubing. ND BOP, NU wellhead. SI well, RDMO to #5.

**04/03/02** 9-5/8" 70 psi (24 hrs SI). MIRU. ND wellhead, NU BOP. SI well and SDFN.

**04/04/02** RIH w/ wireline and perforated at 375'. POOH w/ wireline. RIH w/ tbg to 427'. WO acid. RU acidizers and pumped 500 gal 15% NeFe. POOH w/ tbg. RIH w/ packer to 92'. Set packer and established rate of 1.3 BPM @ 1,980 psi. Bled off pressure. Checked 9-5/8" csg, builds to 4 psi in 30 minutes. RIH w/ tbg to 397' and pumped 25 sx C cmt @ 397'. POOH w/ tbg. RIH w/ 7" cement retainer to 275'. Set CICR @ 275'. Stung out and pumped 1 bbls slurry, stung in and pumped 25 sx C cmt, squeezing off at 3,000 psi. Stung out and reversed casing clean. POOH w/ tbg and pressured up to 1,000 psi on 9-5/8" casing. SI well and SDFN.

**04/05/02** Homer w/ BLM on location. Bled off 9-5/8" casing and installed gauge. Observed well 30 minutes, 0 psi, no gas. ND BOP and wellhead, RIH w/ tbg to 60' and pumped 15 sx C cmt 60' to surface. RDMO to South Eunice #423.

**04/17/02** Cut off wellhead and installed dryhole marker. Leveled pit and cellar, cut off anchors.