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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCT 23 11 40 AM '92

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

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

5. Lease Designation and Serial No.
NM-02127-B

6. If Indian, Allottee or Tribe Name

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 552 Midland, Tx. 79702

915/682-1626

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Unit Letter F

1980' FNL & 1980' FWL

Section 12, TWP 20-S, RNG 34-E

7. If Unit or CA, Agreement Designation
Lea Unit

8. Well Name and No.

Lea Unit #2

9. API Well No.

30-025-02428

10. Field and Pool, or Exploratory Area

11. County or Parish, State

Lea County, NM

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

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- | | |
|--|--|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> Change of Plans |
| <input type="checkbox"/> Recompletion | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Plugging Back | <input type="checkbox"/> Non-Routine Fracturing |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Altering Casing | <input type="checkbox"/> Conversion to Injection |
| <input type="checkbox"/> Other | <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.)*

Marathon Oil Company is requesting permission to do a reservoir BHP on the Morrow zone in this well using the attached procedure.

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

Signed Thomas M. Price

Title Advanced Engineering Tech

Date 10/22/92

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____

Date 11/2/92

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ODD ROBERTS OFFICE

LEA UNIT WELL NO. 2
LEA (DEVONIAN) FIELD
LEA COUNTY, NEW MEXICO
SECTION 12, T-20-S, R-34-E
1980' FNL AND 1980' FWL

TD: 14,501' **PBTD:** 14,476' **KB:** 3,686' **GL:** 3,667'

SURFACE CASING: 13 3/8", 48 lb/ft., set @ 851'. Cemented with 600 sx (circulate).

INTERMEDIATE CASING: 9 5/8", 36 lb/ft., set @ 6,006'. Cemented with 3,000 sx.

PRODUCTION CASING: 7", 29 lb/ft., set @ 14,100'. Cemented with 2,050 sx.

LINER: 4 1/2", 15.5 lb/ft., 14,004' to 14,499'. BOT Boll Weevil Hanger @ 14,004'.

PRODUCTION TUBING: 2 7/8", 6.5 lb/ft., 8rd, J-55, set @ 5827'.

PUMP: Centrillift GC-1600, 109 stages, @ 5,827'-5871'.

PRESENT COMPLETION: Devonian/14,387'-414'/14,431'-461'/228 shots/4JSPF.

MAXIMUM ANTICIPATED SURFACE PRESSURE: 4240 psig

MAXIMUM ANTICIPATED BOTTOMHOLE PRESSURE: 4500 psig

WORKOVER PROCEDURE

1. Lockout/tagout surface controller. Disconnect power to surface cable.
2. Test safety anchors. MIRU PU.
3. Kill well with 2% KCl, if necessary.
4. ND wellhead. NU BOP's.
5. RU spoolers. POOH w/2 7/8" tubing, electric submersible pump, and cable. RD spoolers.
6. RIH w/7" RBP, packer on 2 7/8" tbq. Set RBP at 100'. Test blind rams and pipe rams. Retrieve RBP. RIH w/7" RBP, packer, 2 7/8" tbq to 13,800'. Set RBP. Dump 35 ft. of sand on RBP.
7. Pull up w/7" packer. Set packer at 12,650'. Swab well down to 8,000' FS.
8. Install TIW valve. RU 5K lubricator. Test lubricator to 5,000 psi. RIH w/gauge ring prior to perforating. RIH w/1 11/16" through tubing perforating gun w/GR-CCL tool for tie-in. Perforate 13,150-13,152 and 12,900-12,902 w/1 JSPF for a total of 6 holes. POOH.

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SCD HOBBS OFFICE

9. RIH w/pressure bomb on wireline. Leave well shut-in for 7 days. Record all pressure data w/surface readout. POOH w/wireline assembly. If pressure exceeds 3200 psig, proceed to Step 11. If pressure does not exceed 3200 psig, go to Step 10.
10. Repeat steps 8 and 9 for the following intervals:

Perforation Interval

12,984-12,986
12,800-12,802
12,755-12,757

11. Kill well w/2% KCl water containing clay stabilizers down tubing.
12. POOH. RIH w/2 7/8" X 7" cement retainer and set @ 12,650'. Sting out of retainer. Load hole and establish circulation. Sting into retainer. Establish injection rate and squeeze Morrow perfs with 115 sx class "H" cement. Reverse circulate excess cement to surface. POOH.
13. RIH w/6" drill bit and 5 3/4" drill collars on 2 7/8" tubing. WOC. Tag cement. Drill out cement. Test squeeze perfs to 1000 psig. Reverse circulate hole clean. Finish in hole to 13,965'. Reverse circulate sand off of RBP. POOH.
14. RIH w/retrieving head on 2 7/8" tbq. Release RBP @ 13,800'. POOH. RU spooler and banders.
15. RIH w/variable speed drive test submersible pump on 2 7/8" tubing to 10,450 ft. ND BOP's. NU wellhead. Connect power to surface controller. RD PU.
16. Place well on test for 14 days. Record all production data.
17. Lockout/tagout surface controller. Disconnect power to surface cable.
18. MIRU PU. ND wellhead. NU BOP's.
19. RU spoolers and banders. POOH w/test pump on 2 7/8" tubing.
20. RIH w/re-sized larger electric submersible pump on 2 7/8" tubing.
21. ND BOP's. NU wellhead. Connect power to surface controller. RD PU.
22. Place well on production.

RJP/9201/kc