

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.
PO Box 2409, Hobbs, New Mexico 88241 (505) 393-7106

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Unit Letter H, 1980' FNL & 990' FEL
Section 13, T-20-S, R-34-E

5. Lease Designation and Serial No.

NM-053434

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Lea Unit No. 12

9. API Well No.

30-025-26365

10. Field and Pool, or Exploratory Area

Bond (Morrow) Lea Penn

11. County or Parish, State

Lea County
New Mexico

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

- ☐ Abandonment
☒ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other _____
- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ 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 respectfully requests permission to recomplete the Lea Unit No. 12 from the Devonian to the Morrow per the following procedure:

VERBAL APPROVAL W/ SHANNON SHAW TENTATIVE 10/27/92.
WAIT ON ORIGINALS TO BE SENT BY MAIL.
RJP SJS

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

Signed R.J. Proscence Title Operations Engineer

Date October 27, 1992

(This space for Federal or State office use)

Approved by _____ Title _____
Conditions of approval, if any:

Date 10/29/92

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.

*See Instruction on Reverse Side

RECOMPLETION PROCEDURE

LEA UNIT NO. 12
(API NO. 30-025-26365)

1980' FNL & 990' FEL
SECTION 13, T-20-S, R-34-E
LEA COUNTY, NEW MEXICO
AFE NO. 44690

Date: September 22, 1992

Purpose: Recomplete Lea Unit No. 12 from the Devonian to the Morrow Formation.

Status: Shut-in

TD: 16,553' FBTD: 14,388' KB: 3661.7' GL: 3693.6'

Surface Casing: 13-3/8", 48#, H-40, set at 900.5'. Cemented with 500 sx of Halliburton Lite with additives. Tailed with 300 sxs of class "C". Circulated 135 sx to the pit.

Intermediate Casing: 9-5/8", 40#/36#, N-80/K-55, set at 5,423'. Cement with 4100 sxs. CV tool at 3,154'

Production Casing: 7-5/8", 29.7#/33.7#/39#, P-110/AR-95/S-95, set at 14,341. Cemented with 1200 sx of Halliburton Lite with additives. Tailed with 300 sxs Class "H" with additives. Displaced with 665 BBLs. drilling mud. Over displaced with 21 BBLs. Full returns while cementing. TOC at 5450'.

Liner: 5-1/2", 20#, P-110, set from 14,033' to 16,553'. Cemented with 160 sxs of Class "H" cement.

Tubing: 2-7/8", 6.5#, N-80

Present Completions: 14,421'-14,424', 14,428, 14,531'-
(Devonian) 14,434', 14,345'- 14,351' (2 JSPF).
CIBP at 14,400 w/ 12' of cement.

Pressure Information: Estimated Bottomhole Pressure - 6,700 psig.
(Morrow) Estimated SI Surface Pressure - 4,800 psig

1. Test safety anchors to 22,500 lbs. Move in and rig up Pulling Unit.
2. Nipple down wellhead. Nipple up double valved riser spool and 1500 series hydraulic BOPs with 2-7/8" pipe rams.
3. Rig up wireline company. Run in the hole with a 5-1/2" CIBP to 14,250'. Set CIBP and run in the hole with GR/CCL and log from 12,700' to 13,200'. Run in the hole and dump 35' of class "C" cement on top of the CIBP.
4. Run in the hole with a 7-5/8" CIBP to 13,950'. Set CIBP and pull out of the hole. Run in the hole and dump 35' of class "C" cement on top of the CIBP. Pull out of the hole and rig down wireline company.
5. Pick up 2-3/8", 4.7#, N-80 tubing and run in the hole to 13,100' hydro-testing to 7,000 psi.
6. Load hole, close pipe rams and shut-in backside. Pressure test CIBP to 500 psi and hold for 30 minutes. Record pressure test using a chart recorder so results can be filed with the state.

Feds.

RECOMPLETION PROCEDURE

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7. Rig up service company. Pickle 2-3/8" tubing with 750 gallons of 15 % HCl double inhibited acid. Displace the acid with 49 BBLs KCl down tubing. Reverse circulate hole with 600 BBLs of 4% KCl water with clay stabilizer. Rig down service company.
8. Pull out of the hole with 2-3/8" tubing. Nipple down BOPs. Change 5K wellhead assembly to 10K wellhead assembly. Use tubing head adapter for tubing hanger with back pressure valve profile. Install Safety Relief valve on 2-3/8" and 7-5/8" annulus. Nipple up BOPs and close blind rams to test BOP stack.
9. Pick up 4-5/8" Vanngun assembly with 6 JSPF 32 gram RDX charges (60 Degree Phasing). Run in the hole with Vannguns, production packer, SN, on/off tool and 2-3/8" tubing. Fill 1st 9-10 stands with 4% KCl water. Position the bottomhole assembly to ±12,975' by the tubing tally.
10. Rig up wireline company. Run in the hole with a thru-tubing GR/CCL and correlate the radioactive tubing tag to position the Vanngun assembly. Pull out of the hole and rig down wireline company.
11. Adjust the tubing with 2-3/8" tubing subs to get Vanngun on depth. Set the packer with 15,000# minimum compression.
12. Nipple down BOPs and nipple up wellhead.
13. Drop Bar Pressure Vent tube and open ports below the packer. Monitor annulus and tubing for packer failure.
14. Rig up flow lines to frac tank, tie in test separator, flair lines and flair. Close adjustable choke. Pressure test wellhead.
15. Drop detonating bar and perforate the Morrow at 13,003' to 13,007' and 13,028' to 13,048 with 6 JSPF.
16. If Morrow flow tests less than 1,000 MCFPD, evaluate for acid stimulation.
16. Flow back well and test. Allow well to stabilize for 5 to 7 days. Shut-in well and run a build-up test. Conduct a Four Point test for the state.
17. Install meter run, tie into sales line and place well on production.

LEA UNIT WELL NO. 12

1,980' FNL & 990' FEL
SECTION 13, T-20S, R-34E
LEA COUNTY, NEW MEXICO

PBTD - 14,388' TD - 16,553'
KB - 3,661.7' GL - 3,693.6'

STATUS: SHUT-IN

SURFACE CASING : 13-3/8", 48#, H-40 SET @ 900.5'.
CEMENTED W/500 SXS HALLIBURTON LIGHT.

INTERMEDIATE CASING : 9-5/8", 40# - N-80, 36# - K-55,
SET @ 5,423'. CEMENTED W/4,100 SXS.
DV TOOL @ 3,154'.

PRODUCTION CASING : 7-5/8", 29.7# - P-110, 33.7# - S-95,
39# - S-95, SET @ 14,341'. CEMENTED
W/1,200 SXS HALLIBURTON LIGHT W/ADDS.
TAILED W/300 SXS CLASS "H" W/ADDS.
DISPLACED W/665 BBLS DRILLING MUD
OVER DISPLACED W/21 BBLS. FULL
RETURNS WHILE CEMENTING.

LINER : 5-1/2", 20# - P-110, SET FROM 14,033' TO 16,553'.
CEMENTED W/160 SXS CLASS "H" CEMENT.

TUBING : 2-7/8", 6.5#, N-80

PRESENT COMPLETION : DEVONIAN

14,421' - 24', 14,428', 14,431' - 34',
14,345' - 51', W/2 JSPF.

HISTORY - SPUDDED 7/10/79. DRILLED AS A 16,600'
ELLENBURGER TEST. COMPLETED IN
DEVONIAN FROM 14,345' - 51' WITH 2 JSPF.
IP'D AT 124 BOPD, 97 MCFD AND 1,790 BHPD.
2/83 - INSTALL SUBPUMP, TESTED 128 BOPD
AND 5,492 BHPD. 7/92 - WELL TESTING
BELOW ECONOMIC LIMIT OF 32 BOPD. TESTED
FOR CASING LEAK. NO LEAK FOUND.

