

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

5. Lease Designation and Serial No.  
NM-06531 (A)

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE**

7. If Unit or CA, Agreement Designation

1. Type of Well  
 Oil Well  Gas Well  Other

8. Well Name and No.

Lea Unit No. 4

2. Name of Operator

Marathon Oil Company

9. API Well No.

30-025-02424

3. Address and Telephone No.

P. O. Box 552, Midland, Texas 79702

10. Field and Pool, or Exploratory Area

Lea (Bone Spring)

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

Section 11, T20S, R34E  
1980' FNL and 660' FEL

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	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input checked="" type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<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.)

Marathon Oil Company respectfully requests permission to recomplate to the Bone Spring reservoir from the Devonian. The following is the intended procedure:

1. Test anchors to 22,500 lbs.
2. MIRU PU. ND wellhead.
3. NU 6" Series 1500 hydraulic BOP's. RU Reda rams for flat cable and blinds.
4. RU Spoolers.
5. POOH with 3 1/2" tubing, cable, and submersible pump.
6. Change 3 1/2" rams to 2 7/8" rams. RIH and set RBP at ±500'. Test rams to 1,000 psi. Retrieve RBP and POOH.
7. RU wireline company. RIH w/3.625" gauge ring and junk basket to 14,350' on wireline. POOH w/gauge ring and junk basket.
8. RIH w/4 1/2" CIBP and set at 14,320'. POOH w/wireline.

(continued page 2)

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

Signed R. J. Prosceno Title Petroleum Engineer Date 9-19-91

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date 10/8/91  
Conditions of approval, if any:

Proposed or Completed Operations (continued)

Lea Unit No. 4

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9. RIH w/dump bailer and dump 50' cement on top of CIBP. POOH w/dump bailer. Test to 500 psig.

10. RIH w/7" CIBP and set @ ~~14,000'~~ <sup>13,891'</sup> (cap w/35' cmt) (above liner cap).

\*NOTE: Will set CIBP's @ 12,800' & 10,300' & cap w/35' cmt as well.

SJS

11. Pressure test casing and BOP's to 1000 psig.
12. Test lubricator to 1000 psi. RU lubricator. RIH w/4" casing guns and perforate the zone "V" dolomite Bone Spring at 10,168-10,178' with 4 SPF. POOH and RD wireline company.
13. RIH w/RTTS pkr on 2 7/8" N-80 workstring. Set pkr @ 10,070'.
14. Load annulus w/2% KCl and test to 500 psig. Drop SV and test tbg to 5,000 psig. Retrieve SV.
15. RU service company. Test lines to 6,000 psig. Acidize perforations 10,168-10,178' w/2400 gallons 15% HCl. RD service company.
16. Swab back load.
17. Shut in for 12 hrs. RIH to 10,168' w/pressure bomb and measure reservoir pressure. POOH w/bomb.
18. POOH w/tubing and pkr. RU wireline company.
19. Test lubricator to 1000 psig. RU lubricator. RIH w/4" casing guns and perforate the zone "R" dolomite Bone Spring at 9,602-9,618' and 9,622-9,630' with 4 SPF. POOH and RD wireline.
20. RIH w/RBP, RTTS pkr, and 2 7/8" tbg. Set RBP at 9,700'. Test RBP to 1000 psig. Set pkr @ 9,500'.
21. Load annulus w/2% KCl. Test to 500 psig.
22. RU service company. Test lines to 6,000 psig. Acidize perforations 9,602-9,618' and 9,622-9,630' w/3,500 gallons 15% HCl. RD service company.
23. Swab back load.
24. RU wireline company. Test lubricator to 1000 psig. RU lubricator. RIH w/4" casing guns and perforate zone "P" dolomite Bone Spring at 9,500-9,518' w/4 SPF. POOH and RD wireline.
25. RIH w/RBP, RTTS pkr, and 2 7/8" tbg. Set RBP at 9,580'. Test RBP to 1,000 psig. Set pkr @ 9,400'.

Proposed or Completed Operations (continued)

Lea Unit No. 4

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26. Load annulus w/2% KCl. Test to 500 psig.
27. RU service company. Test lines to 6,000 psig. Acidize perforations 9,500-9,518' with 2,500 gallons 15% HCl. RD service company.
28. Swab back load.
29. RIH and measure static reservoir pressure with pressure bomb.
30. Retrieve RBP and POOH w/workstring.
31. RIH w/mud anchor, SN, 7" TAC, 2 7/8" N-80 tbg. Land tbg at ±9,400'.
32. ND BOP's. Install wellhead. Set TAC.
33. RIH w/rods and pump.
34. RD PU.
35. Install pumping unit and set at 90 SPM.
36. Place well on test.

Submit to Appropriate  
District Office  
State Lease - 4 copies  
Fee Lease - 3 copies

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised 1-1-89

**OIL CONSERVATION DIVISION**

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

**DISTRICT I**  
P.O. Box 1980, Hobbs, NM 88240

**DISTRICT II**  
P.O. Drawer DD, Artesia, NM 88210

**DISTRICT III**  
1000 Rio Brazos Rd., Aztec, NM 87410

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

All Distances must be from the outer boundaries of the section

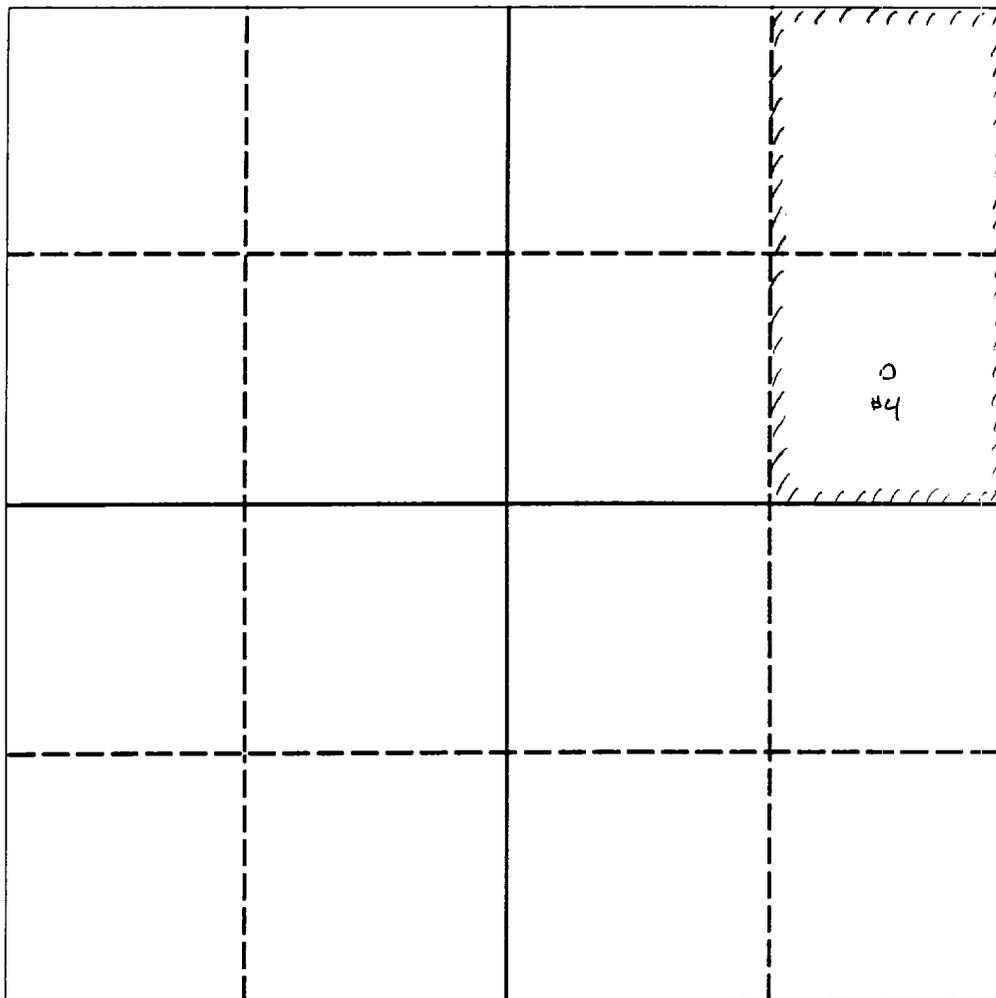
Operator Marathon Oil Company			Lease Lea Unit		Well No. 4
Unit Letter A	Section 11	Township 20S	Range 34E	County Lea	
Actual Footage Location of Well: 1980 feet from the North line and 660 feet from the East line					
Ground level Elev. 3644'	Producing Formation Bone Spring		Pool Lea (Bone Spring)	Dedicated Acreage: 80 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
 

Yes     No    If answer is "yes" type of consolidation \_\_\_\_\_

If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



**OPERATOR CERTIFICATION**  
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature  
*R. J. Prosceno*

Printed Name  
R. J. Prosceno

Position  
Petroleum Engineer

Company  
Marathon Oil Company

Date  
9/19/91

**SURVEYOR CERTIFICATION**  
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

Signature & Seal of Professional Surveyor

Certificate No.



RECEIVED

SEP 23 1991

COO  
HOBBS OFFICE