Form 3160-5
(November 1994)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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BLM
99 MAR 2 AM 10 02
070 ALBUQUERQUE, NM

FORM APPROVED
Budget Bureau No. 1004-0135
Expires July 31, 1996

**SUNDRY NOTICES AND REPORTS ON WELLS**

*Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

*SUBMIT IN TRIPLICATE – Other instructions on reverse side*

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APR 16 1999
OIL CON. DIV.
DIST. 3

5. Lease Serial No.
Tract 251 - Contract 154

6. If Indian, Allottee or Tribe Name
Jicarilla Apache

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.
Jicarilla Apache #8

2. Name of Operator
Marathon Oil Company

3a. Address
P.O. Box 2490 Hobbs, NM 88241

3b. Phone No. (*include area code*)
(505) 393-7106

9. API Well No.
30-039-06280

4. Location of Well (*Footage, Sec., T., R., M., or Survey Description*)
UL 'P', 990' FSL, 990' FEL
Sec 27, T-26-N, R-5-W

10. Field and Pool, or Exploratory Area
Basin Dakota

11. County or Parish, State
Rio Arriba Co., NM

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | | |
|---|---|---|---|---|
| ☒ Notice of Intent | ☐ Acidize | ☐ Deepen | ☐ Production (Start/Resume) | ☐ Water Shut-Off |
| ☐ Subsequent Report | ☐ Alter Casing | ☐ Fracture Treat | ☐ Reclamation | ☐ Well Integrity |
| ☐ Final Abandonment Notice | ☒ Casing Repair | ☐ New Construction | ☐ Recomplete | ☐ Other |
| | ☐ Change Plans | ☐ Plug and Abandon | ☐ Temporarily Abandon | |
| | ☐ Convert to Injection | ☐ Plug Back | ☐ Water Disposal | |

13. Describe Proposed or Coommpleted Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

Marathon Oil Company proposes to fix the problem associated with pressure between the production and intermediate casing strings. We will use the attached procedure to perform this work.

RECEIVED
BLM
99 MAR 22 PM 1:25
070 FARMINGTON, NM

14. I hereby certify that the foregoing is true and correct
Name (*Printed/Typed*)
Thomas P. Kacir

Title
Production Engineer

Thomas P Kacir

Date 3/19/99

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title Lands and Mineral Resources

Date APR 15 1999

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

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 [illegible] fraudulent statements or representations as to any matter within its jurisdiction

**Jicarilla No. 8**
**UL P, 990' FSL and 990' FEL**
**Section 27, T-26-N, R-5-W**
**Rio Arriba County, New Mexico**

**Purpose:** Fix Casing Leak

## PROCEDURE

1. Inspect location. Test safety anchors and replace as needed.

2. MI and hook up blowback tank to intermediate casing. Blow intermediate casing down 2-3 days prior to rig up.

3. MIRU PU. ND wellhead and NU BOP equipment.

4. POOH with tubing.

5. Pick up 4-1/2" RBP & packer. TIH. Set RBP at 3100'. Test to 500 psi with packer.

6. Pull up hole testing casing with packer to find casing leak. If production casing leak is found complete step 7 then goto step 9. If no leak is found complete step 8 then goto step 9.

7. Establish rate into leak. Record rate & pressure.

8. a) POOH with packer. RU wireline company. Perforate at 2900' with 4 JSPF. RD wireline company.

   b) TIH with packer.

9. Dump 2 sks sand (~21') on plug.

If using a packer perform Step 10a through 10f. Skip Step 10 (for cmt retainer) and goto Step 12.
If using a cement retainer skip Step 10 and perform Step 11a through 11g. Then goto Step 12.

10. a. Pull up and set packer 200' above casing leak. Drop standing valve. Pressure up backside to 500 psi. Test tubing to 3000 psi. Retrieve standing valve.

    b. RU Halliburton. Break circulation using water. Establish injection rate.

    c. Mix and pump cement. Volume of cement to be determined after locating casing leak. Wash up pump and lines.

    d. Start displacement @ 1 BPM. If pressure is observed, squeeze as pressure dictates. Other wise displace to bottom of packer.

    e. Release packer and pull 2 stands. Reverse cement to pit. Set packer and close valve. RD Halliburton. Leave SI overnight.

    f. Release packer. POOH.

11. a. TIH with 4 ½" cement retainer, stringer and seating nipple.

b. RU Halliburton. Clear tool with water. Set retainer.

c. Sting out of retainer. Break circulation using water.

d. Sting into retainer. Pressure up backside to 700 psi. Test tubing to 3000 psi.

e. Establish injection rate. Mix and pump cement. Wash up pump and lines.

f. Start displacement @ 1 BPM. If pressure is observed, squeeze as pressure dictates. Other wise displace to bottom of cement retainer. Sting out of retainer and reverse cement to pit.

g. RD Halliburton. POOH with stinger.

12. TIH with 3-7/8" bit and 6 (2-7/8") Drill Collars on 2-3/8" tubing to top of cement.

13. RU drilling head and power swivel. Drill out cement to sand on top of RBP. PU and test squeezed interval to 500 psi. Circulated out sand to top of RBP.

14. POOH. Laying down bit and collars.

15. TIH with retrieving tool and SN to top of RBP. Swab water down to SN.

16. Pump water to wash off top of RBP. Latch RBP and release. POOH.

17. TIH (from bottom to top) with a notched collar, API SN, 2-3/8" tubing to surface. Stop tubing at 7450'.

18. Swab water load back. Pull up hole. Land tubing at 7420' and SN at 7419'.

19. ND BOP equipment. NU wellhead. Swab well in.

20. RDMO PU.