

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
**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.

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires November 30 2000

5. Lease Serial No.

**NM 020498**

6. If Indian, Allottee or Tribe Name

**N/A**

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

**N/A**

8. Well Name and No.

**Ohio Government**

**4**

9. API Well No.

**30-045-23036**

10. Field and Pool, or Exploratory Area

**Kutz Canyon**

11. County or Parish, State

**San Juan**

**NM**

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

**Marathon Oil Company**

3a. Address

**P.O. Box 552 Midland, TX 79702**

3b. Phone No. (include area code)

**915-687-8266**

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

**1150' FSL & 1800' FWL, Section 15, Township 28N, Range 11W, UL 3' N**

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

TYPE OF SUBMISSION

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☒ Acidize

☐ Alter Casing

☐ Casing Repair

☐ Change Plans

☐ Convert to Injection

☐ Deepen

☐ Fracture Treat

☐ New Construction

☐ Plug and Abandon

☐ Plug Back

☐ Production (Start/Resume)

☐ Reclamation

☐ Recomplete

☐ Temporarily Abandon

☐ Water Disposal

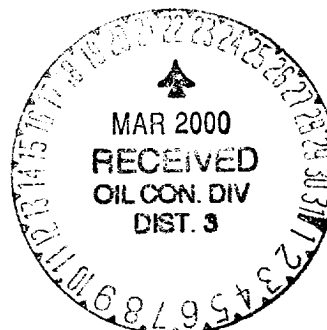
☐ Water Shut-Off

☐ Well Integrity

☐ Other \_\_\_\_\_

13. Describe Proposed or Coompleted 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 recompleate 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 recompleation 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.)

**Propose to stimulate the Pictured Cliffs. Please see attached procedure & C-102.**



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

*David L. Rose*

Title

**Advanced Engineer Technician**

Date **3/3/00**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

**/s/ Charlie Beecham**

Title

**MAR 20 2000**

Office

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.

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.

(Instructions on reverse)

NMOCN

## WORKOVER PROCEDURE

### Ohio Government #4

#### Kutz Canyon Field

1150' FSL & 1800' FWL  
Section 15, T-28-N, R-11-W  
San Juan County, New Mexico

Date: January 23, 2000

Purpose: stimulate the Pictured Cliffs

GWI: 100% NRI: 87.5%

AFE #: 591500

AFE Amount: \$101,300

AFE Days: 6

Elevations: KB: 5633'

GL: 5620'

TD: 1760'

PBTD: 1722'

Surface Csg: 8-5/8" 24# K-55 @ 225' cmt'd w/ 250 sks (circulated)

Production Csg: 4-1/2" 10.5# K-55 ST&C 8rd @ 1750 cmt'd w/ 540 sks (circulated)  
[Drift (10.5#) = 3.927" 80% Burst (10.5#) = 3832 psi]

Tubing: 52 jts 2-3/8" 4.7# J-55 EUE 8rd w/ SN & notched collar landed @ 1627'

Perforations: Pictured Cliffs: 1614-1626' (2 SPF)

Anticipated BHP: ±150 psi in the Pictured Cliffs

Comments: 1) Use 2% KCl in all workover fluids (no substitutes).  
2) Use 2-3/8" 4.7# J-55 tubing for production string. [Drift = 1.901" 80% Burst = 6160 psi]

### PROCEDURE

1. Inspect location and improve if necessary. Install and test safety anchors to 22,500#.
2. MIRU PU. Kill well as necessary. ND wellhead. NU 7-1/16" BOP as per Mid-Continent Region's "Workover and Completion Guidelines". Function test BOP. POOH w/ 2-3/8" tubing. RIH with 3-7/8" bit and 4-1/2" casing scraper on 2-3/8" tubing. Clean out well to PBTD @ ±1722' (If necessary). POOH.
3. RIH w/ 4-1/2" RBP on 2-3/8" tubing. Set plug @ ±250'. Release from plug & POOH. Pressure test blind rams to 1500 psi. RIH & latch onto RBP. Unset plug & RIH to ±1550'. Set RBP and pressure test pipe rams & casing to 2500 psi (If casing does not test, notify Midland). Release RBP and POOH.
4. RU flowback line to frac tank. RU stimulation company. Hold safety meeting. Test lines to 5000 psi. Sand fracture stimulate Pictured Cliffs perfs down casing as per recommendation with approximately 85,000# 20/40 Brady sand @ 30-40 BPM & 2500 psi maximum pressure. Flow back load immediately @ 1-2 BPM. RD stimulation company.
5. RIH with notched collar, mud joint and seating nipple on 2-3/8" tubing. RU foam air unit if necessary and clean out any fill to PBTD @ ±1722'. Circulate well until it cleans up. Land SN @ top perf. ND BOP. NU wellhead and pumping tee. RIH w/ rods & pump. Seat and space out pump. Load and test tubing. RDMO pulling unit. Turn over to production.

XC: D. W. Arnst  
D. K. Barker  
M.D. Bidwell  
J. A. Bucci  
G. W. Donaghey  
W. J. Dueease

T. P. Kacir  
W. S. Landon  
R. J. Longmire  
R. Skinner  
K.W. Spilman  
Well File

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102  
Supersedes C-128  
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

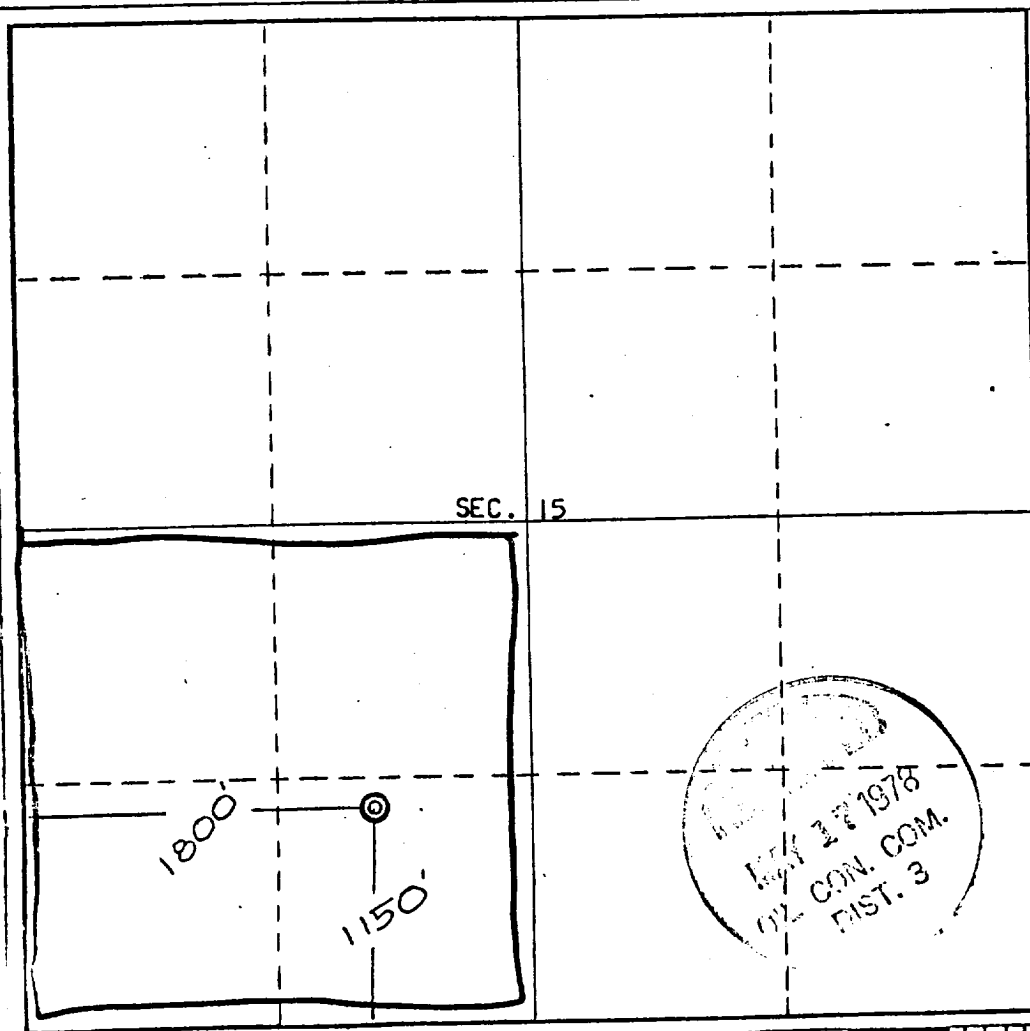
Operator <b>Marathon Oil Company</b>		Lease <b>Ohio Government</b>		Well No. <b>4</b>
Unit Letter <b>AN</b>	Section <b>15</b>	Township <b>28 North</b>	Range <b>11 West</b>	County <b>San Juan</b>
Actual Well Location of Well: <b>1150</b> feet from the <b>South</b> line and <b>1800</b> feet from the <b>West</b> line				
Ground Level Elev. <b>5620</b>	Producing Formation <b>Pictured Cliffs</b>	Pool <b>Fulcher Kutz Pictured Cliffs</b>	Dedicated Acreage: <b>160</b> - <del>120</del> Acres	

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

☐ Yes ☐ No If answer is "yes," type of consolidation NA

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 interests, has been approved by the Commission.



CERTIFICATION

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

*J. F. Wirth*  
Name

J. F. Wirth

Position

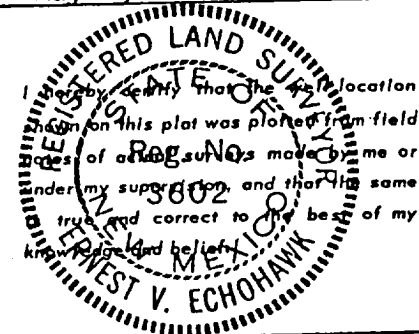
Drilling Superintendent

Company

Marathon Oil Company

Date

May 5, 1978



Date Surveyed

April 27, 1978

Registered Professional Engineer and/or Land Surveyor

*E. V. Ech Hawk*

Certificate No. 3602

E. V. Ech Hawk LS

0 200 400 600 800 1000 1200 1400 1600 1800 2000 2200 2400 2600 2800 3000