

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0135  
Expires: November 30, 2000

**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**

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)  
**1-800-351-1417**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**Sec. 18 T-31-N, R-12-W  
910' FNL & 920' FEL  
San Juan Co. N.M.**

5. Lease Serial No.

**NM- 021125**

6. If Indian, Allottee or Tribe Name

**N/A**

7. If Unit or CA/Agreement, Name and/or N

8. Well Name and No.

**Ohio "E" # 1**

**Government**

9. API Well No.

**30-045-60039**

10. Field and Pool, or Exploratory Area

**Blanco Mesa Verde**

11. County or Parish, State

**San Juan N.M.**

**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**

- |   |   |  |   |
|---|---|--|---|
| <input type="checkbox"/> Acidize              | <input type="checkbox"/> Deepen           | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Alter Casing         | <input type="checkbox"/> Fracture Treat   | <input type="checkbox"/> Reclamation               | <input type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Casing Repair        | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete                | <input type="checkbox"/> Other          |
| <input type="checkbox"/> Change Plans         | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon       |   |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back        | <input type="checkbox"/> Water Disposal            |   |

13. Describe Proposed or Completed 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 recompleat 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 recompleat 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 add perfs in the already existing Mesa Verde Pool and stimulate same.**

**Please see attached workover procedure for details.**



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

**Jerry Fletcher**

Title

**Engineer Tech.**

Date **8-1-00**

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

Approved by

Title

Date

**9/19/00**

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, and Title 43 U.S.C. Section 1212, 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.

**NMOCD**

District I  
PO Box 1980, Hobbs, NM 88241-1980  
District II  
811 S. 1st Street, Artesia, NM 88210-2834  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

Form C-102  
Revised October 18, 1994  
Instructions on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

200 113 -4 PM 1:25

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number <b>30-045-60039</b>	<sup>2</sup> Pool Code	<sup>3</sup> Pool Name <b>Mesa Verde</b>
<sup>4</sup> Property Code	<sup>5</sup> Property Name <b>Ohio "E" Government</b>	<sup>6</sup> Well Number <b># 1</b>
<sup>7</sup> OGRID No. <b>14021</b>	<sup>8</sup> Operator Name <b>Marathon Oil Company</b>	<sup>9</sup> Elevation <b>5926' G.L.</b>

<sup>10</sup> Surface Location


UL or lot no. <b>"A"</b>	Section <b>18</b>	Township <b>31-N</b>	Range <b>12-W</b>	Lot. Idn	Feet from the <b>910'</b>	North/South Line <b>FNL</b>	Feet from the <b>920'</b>	East/West line <b>FEL</b>	County <b>San Juan</b>
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<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
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<sup>12</sup> Dedicated Acres <b>320 E/2</b>	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON--STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

						<sup>17</sup> OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i>   Signature <b>Jerry Fletcher</b> Printed Name <b>Engineer Tech.</b> Title <b>8-01-00</b> Date
						<sup>18</sup> SURVEYOR CERTIFICATION <i>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 belief.</i>  Date of Survey Signature and Seal of Professional Surveyer:  Certificate Number

# WORKOVER PROCEDURE

## OHIO "E" GOVERNMENT #1

Kutz Canyon Field

910' FNL & 920' FEL, Sec. 18, T31N, R12W

San Juan County, New Mexico

Date: July 31, 2000

Purpose: Add Menefee Pay

GWI: 100%      KB: 5942'      TD: 4960'      AFE #: 592900      AFE Days: 6

NRI: 87.5%      GL: 5926'      PBTD: 4925'      AFE Amount: \$99,750

Surface Csg: 10-3/4" 32.75# H-40 @ 228' cmt'd w/ 160 sks (circulated)

Production Csg: 7" 23# J-55 @ 4560' cmt'd w/ 700 sks  
[Drift = 6.241"      80% Burst = 3488 psi]

Production Lnr: 5" 15# J-55 from 4372' to 4953' cmt'd with 175 sks (circulated)  
[Drift = 4.283"      80% Burst = 4560 psi]

Tubing: 157 jts 1-1/4" 2.4# J-55 EUE tbg, 7 Camco "S" Mandrels @ 4.5' ea, 6' & 4' 2-3/8" pups  
Setting depths of Camco Mandrels are not known - EOT @ 4896' from GL.

Perforations: Mesaverde (Point Lookout): 4656 - 4890'

Anticipated BHP: ±500 psi in the Point Lookout  
±1900 psi (estimated original pressure) in the Menefee

Comments: 1) Use 2% KCl (no substitutes) in all workover fluids  
2) Use 3-1/2" 9.3# N-80 tubing (Drift = 2.867", 80% Burst = 8128 psi) as frac string  
3) Will need ~4825' of 2-3/8" tbg to replace the 1-1/4" tbg now in the well

### PROCEDURE

1. Inspect location and improve if necessary. Install and test safety anchors to 22,500#.
2. MIRU PU. Kill well. ND wellhead. NU 7-1/16" BOP as per Mid-Continent Region's "Workover and Completion Guidelines". Function test BOP. POOH laying down 1-1/4" production tubing. Change pipe rams to 2-3/8". RIH with a 7" RBP on 2-3/8" production tbg. Set RBP @ ±250'. Test pipe rams to 1500 psi. Release from plug and POOH. Test blind rams to 1500 psi. RIH and pull RBP.
3. RIH with 5" CIBP on production tubing. Set CIBP at ±4600'. RIH with test packer & pressure test CIBP to 2000 psi. POOH with packer.
4. RU electric line. NU & test lubricator to 1500 psi. Run GR-CCL log and correlate to Schlumberger Electrical log with GR & IL dated 12/7/56 and 12/14/56. RIH w/ 3-1/8" casing guns loaded 1 SPF with premium charges & perforate the Menefee as follows: 4205', 12', 24', 35', 72', 87', 4339', 82', 4401', 18', 31', 36', 69', 83', 96', 4502', 11', 22', 57', and 66' (20 shots). POOH & RD EL.
5. Change pipe rams to 3-1/2". RIH with 7" treating packer on 3-1/2" WS. Hydro-test tubing below slips to 7000 psi. Set packer @ ±250'. Test pipe rams to 1500 psi. Continue testing tubing in hole. Set packer @ ±4100'. Test tubing x casing annulus to 500 psi.
6. RU stimulation company. RU for immediate flow back. Hold safety meeting. Test lines to 7000 psi. Break down perfs with 1000 gals 15% FE HCl and 30 Bio-balls. SI for ~1 hour to allow balls to dissolve. Stimulate Menefee perfs as per recommendation @ 40-45 BPM with 80,000# of 20/40 sand. Limit maximum treating pressure to 6000 psi. Flow back well immediately between 1 and 2 BPM. If flow rate is less than 1/2 BPM then attempt to slowly pump one tubing volume of clean fluid into well and SI until well is dead. RD stimulation company. Continue flowing well until it dies or cleans up.
7. Kill well as necessary. RIH with sinker bar and tag sand. Release packer and POOH laying down work string.
8. RIH with bit on 2-3/8" tubing and drill out CIBP @ ±4600'. CO to PBTD. POOH laying down DC's and bit. (Note: Expect gas bubble and/or loss of hydrostatic head when CIBP is drilled out).
9. RIH w/ notched collar, mud joint and seating nipple on 2-3/8" production tubing. CO to PBTD @ 4925'. Land EOT @ ±4825'. ND BOP. NU wellhead. Jet or swab well in as necessary. RD PU. Turn well over to production.

XC: D. W. Arnst  
D. K. Barker  
M. D. Bidwell

J. A. Bucci  
G. W. Donaghey  
T. P. Kacir

W. S. Landon  
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Well File