Form 3160-5
(August 1999)

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

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.

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

8. Well Name and No.
Ohio Government # 2-E

2. Name of Operator
Marathon Oil Company

9. API Well No.
30-045-24334

3a. Address
P.O. Box 552 Midland, TX 79702

3b. Phone No. *(include area code)*
915-687-8357

10. Field and Pool, or Exploratory Area
Mancos "Wildcat"

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
1610' FSL & 880' FWL, Sec.15,T-28N, R-11W
San Juan Co. N.M.

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	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 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 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 is proposing to recomplete this well to the Mancos "Wildcat".
Plans are to set CIBP over the Dakota perfs, perforate and stimulate the Mancos
as per attached workover procedure indicates.
Please reference attached procedure for all planned actions.

JUN 2001
RECEIVED
OIL CON. DIV
DIST. 3

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

Title
Engineer Tech.

Date 5/31/01

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date 6/8/01

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

WORKOVER PROCEDURE

OHIO GOVERNMENT #2E

Kutz Canyon Field
1610' FSL & 880' FWL, Sec. 15, T28N, R11W
San Juan County, New Mexico

Date: May 25, 2001

Purpose: Recomplete to Gallup

GWI: 100% KB: 5635' TD: 6410' AFE #: AFE Days: 9

NRI: 87.5% GL: 5625' PBTD: 6025' (CIBP) AFE Amount: $140,000

Surface Csg: 9-5/8" 36# K-55 @ 563'cmt'd w/ 725 sks Class 'B' w/ 2% $CaCl_2$ (Circulated)

Intermediate Csg: 7" 20# K-55 @ 1958' cmt'd w/ 250 sks (TOC @ 472')

Production Csg: 4-1/2" 10.5#, 11.6# K-55 @ 6406' cmt'd with 725 sks (TOC 2500')
[Drift (11.6#) = 3.875" 80% Burst (10.5# = 3832 psi]

Tubing: No tubing in hole (Well is Temporarily Abandoned)

Perforations: Graneros/Dakota: 6070-76' & 6133-44' with 2 SPF
Dakota: 6258 – 6268' with 2 & 4 SPF

Anticipated BHP: ±1000 psi in the Gallup

Comments: 1) Use 2% KCl (no substitutes) in all workover fluids
2) Use 2-7/8" 6.5# N-80 tubing (Drift = 2.347", 80% Burst = 8456 psi) as work string
3) Will need ~5500' of 2-3/8" J-55 tubing for production string

PROCEDURE

1. Inspect location and improve if necessary. Install and test safety anchors to 22,500# . Get water and oil samples from offset Gallup well Ohio Government #2 to test with stimulation fluids for emulsion tendencies.
2. MIRU PU. ND wellhead. NU 7-1/16" BOP as per Mid-Continent Region's "Workover and Completion Guidelines". Function test BOP. RIH with a 4-1/2" RBP on 2-7/8" 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. PU and RIH w/ 3-7/8" bit and 4-1/2" casing scraper to PBTD @ 6025'. Test CIBP @ 6025' to 500 psi.
3. RU electric line. Dump bail 50' cement on CIBP at 6025' in two runs. POOH. NU and test lubricator to 1500 psi. Run GR-CCL log and correlate to Dresser Atlas GR-CDL-CNL dated 8/25/80. RIH with 3-1/8" casing guns loaded 2 SPF at 120° phasing with premium charges and perforate the Gallup intervals as follows: 5199-5209', 5313-16', 5368-74', 5430-33', 5440-42', 5456-61', 5503-07', and 5520-22' (35' - 70 shots). POOH & RD EL.
4. Change pipe rams to 2-7/8". RIH with 4-1/2" Guiberson RBP, setting tool, Guiberson packer, seating nipple on 2-7/8" WS. Set packer @ ±250'. Test pipe rams to 1500 psi. FIH and set plug @ ±5550'. PU and set packer @ ±5150'. Drop standing valve. Test tubing to 5000 psi. Fish standing valve. Test tubing x casing annulus to 500 psi.
5. RIH with packer & straddle perfs 5503-22'. Breakdown perfs with 300 gallons 15% HCl. Reset BP & packer to straddle perfs 5430-61'. Breakdown perfs with 500 gallons 15% HCl. Reset BP & packer to straddle perfs 5368-74'. Breakdown perfs with 300 gallons 15% HCl. Reset BP & packer to straddle perfs 5313-16'. Breakdown perfs with 150 gallons 15% HCl. Reset BP & packer to straddle perfs 5199-5209'. Breakdown perfs with 500 gallons 15% HCl. POOH with straddle assembly & LD RBP. RIH with packer and set @ ±5150'. [Total acid needed = 1750 gallons]
6. RU stimulation company. RU for immediate flow back. Hold safety meeting. Test lines to 7000 psi. Sand fracture stimulate Gallup perforations as per recommendation @ 30 BPM with 100,000# 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 ½ 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. Obtain SITP. RIH with sinker bar and tag sand. Release packer and POOH laying down work string. Change pipe rams to 2-3/8". RIH with RBP and test rams to 1500 psi. POOH.
8. RIH with bit, DC's on 2-3/8" tubing and CO to PBTD. Recover load using air unit. POOH laying down DC's and bit.
9. RIH with notched collar, mud joint and seating nipple on 2-3/8" production tubing. CO to PBTD @ ±5975'. Land EOT @ ±5500'. ND BOP. NU wellhead. Jet or swab well in as necessary. RD PU. Turn well over to production.

XC: M. D. Bidwell
K. C. Holt
R. Skinner
R. G. Fletcher
W. S. Landon
B. Teller
P. M. Hedderman
R. J. Longmire
Well File