

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)

915-687-8357

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

**Sec. 48, T-31-N, R-12-W
1800' FSL & 990' 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" Gov't 1-A

9. API Well No.

30-045-22999

10. Field and Pool, or Exploratory Area

Blanco Mesaverde

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

☐ Subsequent Report

☐ Final Abandonment Notice

☐ 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 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 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.)

Marathon Oil Company is proposing to add perfs to existing pay.

Set CIBP @ 4600', Add Perfs f/ 4213' to 4458' total of 22 holes.

Set packer @ 4150'. Stimulate perfs as per procedure. Drill out CIBP @ 4600'. Land end of tubing @ 4850'. Swab well in as necessary.

PBTD @ 4957'



2001 MAR 16 PM 2:08

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

Jerry Fletcher

Title

Engineer Tech.

Date

3/12/01

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

3/19/01

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, 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 "E" GOVERNMENT #1A
Kutz Canyon Field
1800' FSL & 990' FEL, Sec. 18, T31N, R12W
San Juan County, New Mexico

Date: March 9, 2001

Purpose: Add Menefee Pay

GWI: 100% KB: 5901' TD: 5000' AFE #: 590601 AFE Days: 9

NRI: 87.5% GL: 5889' PBTD: 4955' AFE Amount: \$135,000

Surface Csg: 9-5/8" 36# K-55 @ 212' cmt'd w/ 100 sks (Circulated)

Production Csg: 7" 23# J-55 @ 4444' cmt'd w/ 450 sks (TOC @ 3358' by CBL)
[Drift = 6.241" 80% Burst = 3488 psi]

Production Liner: 4-1/2" 10.5# K-55 from 4252' to 4998' cmt'd with 75 sks (circulated)
[Drift = 4.283" 80% Burst = 4560 psi]
Note: TIW type HL liner hanger and packer from 4240' to 4250'

Tubing: 2-3/8" 4.7# EUE tubing w/ notched collar, 4' pup, & SN @ 4857'

Perforations: Mesaverde {Point Lookout}: 4597 – 4890' (45 holes)

Anticipated BHP: ±500 psi in the Point Lookout
±1800 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

PROCEDURE

1. Inspect location and improve if necessary. Install and test safety anchors to 22,500# as necessary.
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 with 2-3/8" production tubing. 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. RIH with 6-1/4" bit & 7" casing scraper to TOL @ 4252'. POOH. RIH with 3-7/8" bit & 4-1/2" casing scraper to PBTD @ 4955'. POOH.
3. RIH with 4-1/2" CIBP on production tubing. Set CIBP at ±4500'. RIH with 7" test packer & set @ ±4080'. Pressure test CIBP & TOL to 2000 psi. POOH with packer.
4. RU electric line. NU & test lubricator to 1500 psi. Run GR-CCL log across interval ±4500-3900' and correlate with Dresser Atlas DIFL dated 6/4/78. RIH with 3-1/8" casing guns loaded 1 SPF with premium charges & perforate the Menefee as follows: 4129', 47', 56', 72', 4211', 20', 31', 47', 58', 96', 4315', 52', 57', 67', 95', 98', 4400', 45', 64', 67', 70', and 73' (22 shots). POOH & RD EL.
5. Change pipe rams to 3-1/2". RIH with 7" treating packer on 3-1/2" work string. Hydro-test tubing below slips to 7000 psi. Set packer @ ±250'. Test pipe rams to 1500 psi. Continue testing tubing in hole. Set packer @ ±4150'. 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 500 gals 15% HCl and 33 Bio-balls. SI for ~1 hour to allow balls to dissolve, then surge balls off perfs. Stimulate Menefee perfs as per recommendation @ 40-45 BPM with 70,000# 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 tbg volume of clean fluid into well and SI. 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 7" RBP and test pipe rams to 1500 psi. POOH.
8. RIH with bit on 2-3/8" tubing and drill out CIBP @ ±4500'. 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, pup joint and seating nipple on 2-3/8" production tubing. CO to PBTD @ 4955'. Land EOT @ ±4800'. 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