

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. 8, T-31-N, R-12-W

1800' FNL & 1650' FWL

San Juan County, N.M.

5. Lease Serial No.

NM-021123

6. If Indian, Allottee or Tribe Name

N/A

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

N/A

8. Well Name and No.

Ohio "D": # 1A

Government

9. API Well No.

30-345-22998

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

☒ 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 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 new Mesaverde perfs and stimulate same.

Please see attached procedure for details.

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

Jerry Fletcher

Title

Engineer Tech.

Date **8-25-00**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

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.

NOCC

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-22998	² Pool Code 72319	³ Pool Name Blanco Mesaverde
⁴ Property Code	⁵ Property Name Ohio "D" Government	⁶ Well Number 1 A
⁷ OGRID No. 14021	⁸ Operator Name Marathon Oil Company	⁹ Elevation G.L. 5913

¹⁰ Surface Location

UL or lot no. "F"	Section 8	Township 31-N	Range 12-W	Lot. Idn	Feet from the 1800'	North/South Line North	Feet from the 1650'	East/West line West	County San Juan
-----------------------------	---------------------	-------------------------	----------------------	----------	-------------------------------	----------------------------------	-------------------------------	-------------------------------	---------------------------

¹¹ 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
---------------	---------	----------	-------	----------	---------------	------------------	---------------	----------------	--------

¹² Dedicated Acres 320 W/2	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
---	-------------------------------	----------------------------------	-------------------------

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

	¹⁷ 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 Jerry Fletcher Printed Name Engineer Tech. Title 8-25-00 Date	
	¹⁸ 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> N/A Date of Survey Signature and Seal of Professional Surveyer: Certificate Number	

WORKOVER PROCEDURE

OHIO "D" GOVERNMENT #1A

Kutz Canyon Field
1800' FNL & 1650' FWL, Sec. 8, T31N, R12W
San Juan County, New Mexico

Date: August 24, 2000

Purpose: Add Menefee Pay

GWI: 100% KB: 5925' TD: 5000' AFE #: AFE Days: 6

NRI: 87.5% GL: 5913' PBTD: 4957' AFE Amount: \$

Surface Csg: 9-5/8" 36# K-55 @ 212' cmt'd w/ 200 sks (circulated)

Production Csg: 7" 23# K-55 @ 4550' cmt'd w/ 450 sks
[Drift = 6.241" 80% Burst = 3488 psi]

Production Lnr: 4-1/2" 10.5# K-55 from 4383' to 5000' cmt'd with 200 sks (circulated)
[Drift = 3.927" 80% Burst = 3832 psi]

Tubing: ~156 jts 2-3/8" J-55 EUE tubing @ 4906' KB

Perforations: Mesaverde (Point Lookout): 4634-4885'

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#.
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.
3. RIH with a 4-1/2" CIBP on production tubing. Set CIBP at ±4580'. RIH with 7" test packer. Set pkr @ ±4150' & pressure test CIBP & TOL to 2000 psi. POOH with packer.
4. RU electric line. NU and test lubricator to 1500 psi. Run GR-CCL log and correlate with Schlumberger SNP log dated 5/20/78. RIH with 3-1/8" casing guns loaded 1 SPF with premium charges and perforate the Menefee as follows: 4216', 41', 55', 81', 94', 4305', 39', 54', 92', 99', 4403', 21', 42', 45', 92', 98', 4504', 12', 20', and 31' (20 shots). POOH and 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 @ ±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 perms with 1000 gals 15% FE HCl and 30 Bio-balls. SI for ~1 hour to allow balls to dissolve. Stimulate Menefee perms 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 jet well clean. Drill out CIBP @ ±4580'. 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 @ 4957'. Land EOT @ ±4800'. 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
R. J. Longmire
R. Skinner

Well File