

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-021125

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

OHIO "E" GOVT 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 NM

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1999 DEC -6 PM 2:24

070 FARMINGTON, NM

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)

800-351-1417

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

1800' FSL & 990' FEL
SEC. 18, T-31-N, R-12-W I

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 checked="" 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 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 ADD PERFS AND FRACTURE STIMULATE THE MESAVERDE AS PER THE ATTACHED SCHEDULE

RECEIVED
DEC 14 1999
OIL CON. DIV.
DIST. 3

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

R. J. LONGMIRE

Walter J. Queeuan

Title

DRILLING SUPERINTENDENT

Date

12/1/99

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Walter J. Queeuan

Title

Date

12/10/99

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, 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.

REVISED(11/30/99) WORKOVER PROCEDURE

Ohio 'E' Government 1-A

Kutz Canyon Field

1800' FSL & 990' FEL

Section 18, T-31-N, R-12-W

San Juan County, New Mexico

Date: November 16, 1999

Purpose: Add Pay & Restimulate

GWI: 100% NRI: 87.5%

AFE #: 311999 AFE Amount: \$112,600 AFE Days: 8

Elevations: KB: 5901' GL: 5889'

TD: 5000' PBTD: 4918' (Tagged fill 1/13/95 original PBTD @ 4957')

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

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

Production Liner: 4-1/2" 10.5# K-55 @ 4252' to 4998' cmt'd w/ 75 sks (circulated)
Liner hanger: 4-1/2"x7" TIW Type HL
[Drift = 3.927" 80% Burst = 3832 psi]

Tubing: 2-3/8" 4.7# EUE 8rd tbg @ 4846' w/ F-nipple and 4' 2-3/8" tubing sub on bottom

Perforations: 4619'-4642' (10 holes) and 4835'-4839' (5 holes)

Max. Anticipated BHP: 700 psi

Comments:

- 1) Use 2% KCl in all workover fluids.
- 2) Use 2-3/8" 4.7# J-55 tubing for production. [Drift = 1.901", 80% Burst = 6160 psi]
- 3) Use 2-7/8" 6.5# N-80 tubing for workstring. [Drift = 2.347", 80% Burst = 8456 psi]
- 4) Use 3-1/2" 9.3# N-80 tubing for workstring. [Drift = 2.867", 80% Burst = 8128 psi]

1. Inspect location and improve if necessary. Test safety anchors to 22,500#.
2. MIRU PU. ND wellhead. NU 7-1/16" BOP w/ pipe rams for 2-3/8" tbg on top & 2 valves below blind rams on bottom. Test BOP as per Drilling Department recommendation. Tag PBTD with tubing. Clean out fill if necessary, then POOH. RIH w/ bit & scraper. POOH.
3. RU WL. Run GR-CCL log across interval from PBTD to 3800' (above Cliffhouse). Correlate with Dresser Atlas GR-CNL-CDL dated 6/8/78. Perforate the Point Lookout w/ 3-1/8" casing guns loaded 2 SPF @ 180° phasing w/ 12 gram Titan Prospector charges (EHD 0.30 and 21.5" penetration) over the following interval:
4597', 4659', 4677', 4680', 4696', 4720', 4724', 4758', 4780', 4795', 4807', 4813', 4830', 4871' and 4890'
RD WL.
4. Change pipe rams to 2-7/8" and 3-1/2". RIH with 4-1/2" 10K packer, 300' of 2-7/8" 6.5# N-80 tubing, 2-7/8" to 3-1/2" cross-over on 3-1/2" 9.3# N-80 tubing and set packer @ ±4500'. Hydrotest tubing in hole to 8000 psi.
5. Breakdown Point Lookout perms 4597'-4890' w/ 1500 gallons 7.5% HCl @ 2-3 bpm using 70 1.1 SG BioBalls spaced evenly for divert. Flow back load. Allow time for BioBalls to dissolve prior to frac.
6. RU stimulation company. Sand fracture stimulate Point Lookout perms as per recommendation with approximately 175,000# 20/40 Brady sand @ 60 BPM and 7000 psi maximum pressure. Actual job design may vary slightly pending final recommendation. Tag all sand stages w/ radioactive isotope. RD stimulation company.
7. Flow back load. RU wireline & tag PBTD with sinker bar. If fill present release packer and POOH. RIH w/ 2-3/8" tubing, notched collar and SN; clean out to PBTD with foam air unit. RU slickline. Run after frac log to determine proppant placement. RD slickline. POOH.
8. RIH w/ 2-3/8" production tubing w/ SN and land @ ±4890'. ND BOP. NU wellhead. RDMO PU. Return well to production.