

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-020501

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

OHIO "C" GOVT 26 S 1

9. API Well No.

30-045-27726

10. Field and Pool, or Exploratory Area

BASIN FRUITLAND COAL

11. County or Parish, State

SAN JUAN COUNTY NM

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)

800-351-1417

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

1285' FSL & 895' FWL
SEC. 26, T-28-N, R-11-W

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 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 FRUITLAND COAL PAY AND RESTIMULATE AS PER THE ATTACHED PROCEDURE.



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

R. J. LONGMIRE

Title

DRILLING SUPERINTENDENT

Date 2/17/00

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

/s/ Errol Becher

Title

Date MAR - 7 2000

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.

(Instructions on reverse)

WORKOVER PROCEDURE

Ohio "C" Government 26 #1

Basin Fruitland Coal Field

1285' FSL & 895' FWL

Section 26, T-28-N, R-11-W

San Juan County, New Mexico

Date: January 31, 2000

Purpose: Add Pay & Restimulate

GWI: 100%

NRI: 87.5%

AFE #: 591300

AFE Amount: \$118,000

AFE Days: 6

Elevations: KB: 5697'

GL: 5685'

TD: 1650'

PBTD: 1632'

Surface Csg: 8-5/8" 24# K-55 ST&C @ 258' cmt'd w/ 170 sks (circulated)

Production Csg: 5-1/2" 15.5# K-55 LT&C @ 1642' cmt'd w/ 483 sks in 2 stages w/ DV tool @ 613'
1st stage 363 sks (circulated), 2nd stage 120 sks (circulated)
[Drift = 4.825" 80% Burst = 3848 psi]

Tubing: 53 jts 2-3/8" 4.7# EUE 8rd tbg @ 1620' w/ notched collar on bottom & SN @ 1588'

Rods & Pump: 62 - 5/8" Steel Rods, 2" x 1.25" x 12' Insert Pump

Perforations: Fruitland Coal: 1558-65', 1604-18' (3 SPF)

Anticipated BHP: 100 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]

1. Inspect location and improve if necessary. Test safety anchors to 22,500#.
2. MIRU PU. POOH w/ rods & pump. 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. POOH with tubing. RIH with bit and scraper and clean out any fill to PBTD @ ±1632'. POOH.
3. RIH w/ 5-1/2" straddle assembly. Set RBP at ±1500' and pressure test casing to 2500 psi (If casing does not test, notify Midland). POOH w/ straddle assembly. If stimulation company is not available at this time, RDMO PU.
4. RU stimulation company for two stage frac job. Sand fracture stimulate Fruitland Coal perfs 1558-1618' down casing as per recommendation with approximately 100,000# 20/40 Brady sand @ 30-40 BPM & 2500 psi maximum pressure. Actual job design may vary slightly pending final recommendation. Tag all sand stages w/ one radioactive isotope.
5. RU WL. RIH with CIBP and set @ ±1535'. Perforate the Fruitland Coal 1424-27', 1449-52', 1489-92', 1498-1500', 1503', and 1514-18' (16 feet - 64 shots) w/ 4" casing guns loaded 4 SPF @ 120° phasing w/ 22.7 gram JRC charges. Correlate with Schlumberger GR-CNL-CCL log dated 5/31/90. RD WL.
6. Sand fracture stimulate Fruitland Coal perfs 1424-1518' down casing as per recommendation with approximately 80,000# 20/40 Brady sand @ 30-40 BPM & 2500 psi maximum pressure. Actual job design may vary slightly pending final recommendation. Tag all sand stages with a different radioactive isotope from the one used in the 1st stage (Step #4). RD stimulation company.
7. Flow down well to relieve pressure. RU PU (if it had previously been RD w/o stimulation company). RIH w/ 4-3/4" bit on 2-3/8" tubing to CIBP @ ±1535'. RU foam air unit (if well will not circulate) and drill up CIBP, then clean out any sand fill to PBTD @ ±1632'. POOH w/ bit.
8. RU slickline. Run after frac log across interval ±1632-1200' to determine proppant placement. RD slickline.
9. RIH w/ 2-3/8" production tubing w/ notched collar on bottom and land w/ SN @ ±1620'. ND BOP. NU wellhead and pumping tee. RIH w/ rods & pump. Seat & space out pump. Load & test tbg. RDMO PU. Return well to production.

XC: D. W. Arnst
D. K. Barker
M. D. Bidwell
J. A. Bucci
G. W. Donaghey
W. J. Duecase

W. S. Landon
R. J. Longmire
R. Skinner
K. W. Spilman
T. P. Kacir
Well File

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-020501

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

OHIO "C" GOVT 26 S 1

9. API Well No.

30-045-27726

10. Field and Pool, or Exploratory Area

BASIN FRUITLAND COAL

11. County or Parish, State

SAN JUAN COUNTY NM

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)

800-351-1417

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

1285' FSL & 895' FWL
SEC. 26, T-28-N, R-11-W

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 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.)

PROPOSE TO ADD FRUITLAND COAL PAY AND RESTIMULATE AS PER THE ATTACHED PROCEDURE.



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

R. J. LONGMIRE

Title

DRILLING SUPERINTENDENT

Date

2/17/00

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

181 Enrol Section

Title

Date

MAR - 7 2000

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.

(Instructions on reverse)

chse

41000

WORKOVER PROCEDURE

Ohio "C" Government 26 #1

Basin Fruitland Coal Field

1285' FSL & 895' FWL

Section 26, T-28-N, R-11-W

San Juan County, New Mexico

Date: January 31, 2000

Purpose: Add Pay & Restimulate

GWI: 100%

NRI: 87.5%

AFE #: 591300

AFE Amount: \$118,000

AFE Days: 6

Elevations: KB: 5697'

GL: 5685'

TD: 1650'

PBTD: 1632'

Surface Csg: 8-5/8" 24# K-55 ST&C @ 258' cmt'd w/ 170 sks (circulated)

Production Csg: 5-1/2" 15.5# K-55 LT&C @ 1642' cmt'd w/ 483 sks in 2 stages w/ DV tool @ 613'
1st stage 363 sks (circulated), 2nd stage 120 sks (circulated)
[Drift = 4.825" 80% Burst = 3848 psi]

Tubing: 53 jts 2-3/8" 4.7# EUE 8rd tbg @ 1620' w/ notched collar on bottom & SN @ 1588'

Rods & Pump: 62 - 5/8" Steel Rods, 2" x 1.25" x 12' Insert Pump

Perforations: Fruitland Coal: 1558-65', 1604-18' (3 SPF)

Anticipated BHP: 100 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]

1. Inspect location and improve if necessary. Test safety anchors to 22,500#.
2. MIRU PU. POOH w/ rods & pump. 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. POOH with tubing. RIH with bit and scraper and clean out any fill to PBTD @ $\pm 1632'$. POOH.
3. RIH w/ 5-1/2" straddle assembly. Set RBP at $\pm 1500'$ and pressure test casing to 2500 psi (If casing does not test, notify Midland). POOH w/ straddle assembly. If stimulation company is not available at this time, RDMO PU.
4. RU stimulation company for two stage frac job. Sand fracture stimulate Fruitland Coal perfs 1558-1618' down casing as per recommendation with approximately 100,000# 20/40 Brady sand @ 30-40 BPM & 2500 psi maximum pressure. Actual job design may vary slightly pending final recommendation. Tag all sand stages w/ one radioactive isotope.
5. RU WL. RIH with CIBP and set @ $\pm 1535'$. Perforate the Fruitland Coal 1424-27', 1449-52', 1489-92', 1498-1500', 1503', and 1514-18' (16 feet - 64 shots) w/ 4" casing guns loaded 4 SPF @ 120° phasing w/ 22.7 gram JRC charges. Correlate with Schlumberger GR-CNL-CCL log dated 5/31/90. RD WL.
6. Sand fracture stimulate Fruitland Coal perfs 1424-1518' down casing as per recommendation with approximately 80,000# 20/40 Brady sand @ 30-40 BPM & 2500 psi maximum pressure. Actual job design may vary slightly pending final recommendation. Tag all sand stages with a different radioactive isotope from the one used in the 1st stage (Step #4). RD stimulation company.
7. Flow down well to relieve pressure. RU PU (if it had previously been RD w/o stimulation company). RIH w/ 4-3/4" bit on 2-3/8" tubing to CIBP @ $\pm 1535'$. RU foam air unit (if well will not circulate) and drill up CIBP, then clean out any sand fill to PBTD @ $\pm 1632'$. POOH w/ bit.
8. RU slickline. Run after frac log across interval ± 1632 -1200' to determine proppant placement. RD slickline.
9. RIH w/ 2-3/8" production tubing w/ notched collar on bottom and land w/ SN @ $\pm 1620'$. ND BOP. NU wellhead and pumping tee. RIH w/ rods & pump. Seat & space out pump. Load & test tbg. RDMO PU. Return well to production.

XC: D. W. Arnst
D. K. Barker
M. D. Bidwell
J. A. Bucci
G. W. Donaghey
W. J. Duecase

W. S. Landon
R. J. Longmire
R. Skinner
K. W. Spilman
T. P. Kacir
Well File