

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
N.M. Oil Cons. DIV-Dist. 2
301 W. Grand Avenue
Alamosa, NM 88213

FORM APPROVED
OMB NO. 1004-0137
Expires March 31, 2007

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 3487 Houston, TX 77253-3487

3b. Phone No. (include area code)

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

SHL UL "M" , Sec 11, T-21-S, R-23-E, 760' FSL & 990' FWL
BHL UL "N" , Sec 11, T-21-S, R-23-E, 725' FSL & 1424' FWL

5. Lease Serial No.

NM-05551

6. If Indian, Allottee or Tribe Name

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

North Indian Basin Unit

8. Well Name and No.

North Indian Basin

9. API Well No.

30-015-28583

10. Field and Pool, or Exploratory Area

Indian Basin Morrow (078960)

11. County or Parish, State

Eddy NM

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.)

Marathon Oil Company has completed operations to deepen and recompleate the North Indian Basin Unit No. 22 to the Morrow formation. Please see attachment for details of completion to Morrow.

ACCEPTED FOR RECORD

APR 19 2005

ALEXIS C. SWOBODA
PETROLEUM ENGINEER

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

Charles E. Kendrick

Title

Engineering Technician

Date 04/08/2005

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

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.

North Indian Basin Unit No. 22
Recompletion to Morrow
Perforate, Acid Frac

- 05/12/2004 Moved in rigged up PU. RIH w/ 6 1/8" bit, 2 – 4 3/4" drill collars, picked up 3 1/2" work string tagged top of 4 1/2" liner. Dressed top of liner. POH laid down drill collars and bit. RIH w/ kill string . SI
- 05/13/2004 RIH w/ casing scraper & 3 7/8" bit on 2850' 2 3/8" tubing, w/ 6770' 3 1/2" on top. Tagged cement @ 9620'. Drill out cement to 9690'. Circ hole clean. RU Haliburton pumped 1000 gals 15% HCL to pickle well. Reversed out HCL Displaced hole w/ 325 bbls packer fluid (7% KCL) SI
- 05/14/2004 POOH w/ casing scraper and bit. RU Baker Atlas lubricator. Test lubricator to 1000 psi. Perforated in 3 stages 9432' - 9448' 14' w/ 2 shots per ft, 9389'–9393' 4' w/ 1 shot per ft, & 9070'–9084' 16' w/ 2 shots per ft. Total feet 34' with 64 shots using 3 1/2" slick guns 23 g 311T charges in 120° phasing. Rigged up hydrotesters. RIH w/ 1 jt 2 3/8" tubing, landing nipple, 1 7/8" XN profile nipple, 2' sub, 4 1/2" PLS packer, 2 3/8" on/off tool, 2900' 2 3/8" tubing. Hydrotested all to 9000 psi below slips. SI
- 05/15/2004 RIH w/ 3 1/2" tubing testing to 9000 psi. Set packer @ 8905' Test casing, and liner to 1000 psi. SDFWE
- 05/17/2004 RU Haliburton test surface line to 10,000 psi, test casing annulus to 1,000 psi. Pump treatment w/ CO2 and acid- formation break down @ 4195 psi. Pumped stimulation in 10 stages initiate w/ 1000 gal 15% HCL, 20000 gals of 34 quality gel foam (6000 gals methanol, 32300 ob 20/40 propant, 105.9 tonm CO2) Total volume pumped 46,000 gals. RU Weatherford flowback manifold and turned well to tank on 16/64 choke. Flow well back over night.
- 05/18/2004 Flow well to tank.
- 05/19/2004 Well flowing @ 23.1 mcf / day on 24/64 choke. Flowing TP 910#. SI well. RIH w/ Xplug to XN nipple. Seated plug. Load and test tubing to 1000 psi. Release on/off tool. TOH laying down 3 1/2" work string. Change over to 2 3/8" tubing. SI
- 05/20/2004 Laid down 2 3/8" tubing. Redress on/off tool. RIH w/ new 2 3/8" tubing and on/off tool. Tag up and latch on/off tool. Nipple down BOPS. Nipple up tree. RU swab line and swabbed tubing fluid level down to 5400'. RU slickline unit. RIH w slick line w punch spear to soft tag @ 8986'.

- 05/20/2004 continued. POH w/ punch spear. RIH w/ bailer. Cleaned out sand to top of plug. RIH w/ punch spear. Punched plug, POH w/ spear, and allowed pressure to equalize - 1660 psi. RIH w/ overshot & jars latched onto plug and jarred for 30 minutes, slickline parted. SI
- 05/21/2004 Fish wireline in 8 runs. Spool up wireline. Open well to testers @ 889 mcf / day on 11/64 ths choke. FTP 2340 psi. Will allow well to flow tonight to clean out debris on plug.
- 05/22/2004 Shut in well. RIH w/ retrieval tool. Latched onto plug and released POH w/ wireline. Turned well over to testers. Well flowing @ 3132 mcf / day on 13/64 choke. Recover total 19 bbls water.
- 05/23/2004 Rigged down PU.