

NMOC

Form 3160-5
(August 1999)

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.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

FORM APPROVED
OMB NO. 1004-0135
Expires: November 30, 2000

5. Lease Serial No.
NMNM05608

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
NMNM70998B

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
MARATHON OIL COMPANY

Contact: GINNY LARKE
E-Mail: vllarke@marathonoil.com

3a. Address
P O BOX 552
MIDLAND, TX 79702

3b. Phone No. (include area code)
Ph: 800.351.1417 Ext: 8321
Fx: 915.687.8305

8. Well Name and No.
N INDIAN BASIN 21

9. API Well No.
30-015-28621-00-S1

10. Field and Pool, or Exploratory
INDIAN BASIN

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

Sec 11 T21S R23E SENW 2245FNL 1815FWL

11. County or Parish, and State

EDDY COUNTY, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input checked="" type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input 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 site is ready for final inspection.)

Acid frac began 4/8/03. MIRU PU, ND wellhead & NU BOP. Acid frac Morrow perfs in 4 stages as follows: 1) 2500 gals 15% HCL, Avg Press-813, Avg Rate-6.4 BPM; 2) 4588 gals CO2 foam, Avg Press-8120, Avg Rate-18.4 BPM; 3) 4500 gals CO2 foam, Avg Press-8180, Avg Rate 19.3 BPM; 4) 44 bbls CO2 foam screened out, Avg Press-9064, Avg Rate 4.4 BPM. SI well, held 650 psi. RIH w/coiled tubing & cleaned out tubing to 9442'. POOH, RD PU & SI well for 9 days for pressure buildup. MIRU PU & RU swab. Made 7 runs w/well flowing between runs. RIH to 6800', made 3 more swab runs w/well flowing between runs. Swab stuck on 4th run @ 8600'. RU hotoiler & pump 55 bbls KCl water past swab @ 1100 psig. RU JSI, tagged top of sandline @ 8291', PUH 1/2 jt & shot @ 8244-8245 w/3 shots. RD JSI. Swabbed tbq & unloaded backside. RIH w/bailer & tagged up @ 9360'. Cleaned out w/bailer to 9372' & POOH. RIH w/6-1/8" bit & bailer drilling & bailing hard sand. Pumped 7% KCl water @ 20 BPH & 5 gals soap per hour to get hole to unload. Recovered 100 bbls fluid over what was used drilling & foaming wellbore. Drilled sand to 9392' & fell through, washed to 9440' pumping 1500 SCF Air, 20 BPH 7% KCl

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #23141 verified by the BLM Well Information System
For MARATHON OIL COMPANY, sent to the Carlsbad
Committed to AFMSS for processing by Armando Lopez on 06/12/2003 (03AL0308SE)

Name (Printed/Typed) GINNY LARKE

Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission)

Date 06/12/2003

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

ACCEPTED

ALEXIS C SWOBODA
Title PETROLEUM ENGINEER

Date 06/17/2003

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 Carlsbad

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

Additional data for EC transaction #23141 that would not fit on the form

32. Additional remarks, continued

water & 5 GPH soap, circulated hole clean. RIH w/PLS packer on 2-3/8" prod. tubing. Set packer @ 9216', bottom of tbg @ 9265', ND BOPs, NU wellhead. RU swab unit & recovered 34 bbls in 17 runs. Recovered total of 148 more bbls swabbing & flowing well back. Turned well over to production 5/16/03.