

NMOC

Form 3160-4  
(August 1999)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB No. 1004-0137  
Expires: November 30, 2000

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other			5. Lease Serial No. NMNM04827B		
b. Type of Completion <input type="checkbox"/> New Well <input type="checkbox"/> Work Over <input checked="" type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____			6. If Indian, Allottee or Tribe Name		
2. Name of Operator MARATHON OIL COMPANY			7. Unit or CA Agreement Name and No. NMNM70998B		
3. Address P O BOX 3487 HOUSTON, TX 77253			8. Lease Name and Well No. N INDIAN BASIN 23		
3a. Phone No. (include area code) Ph: 713-296-2096			9. API Well No. 30-015-28578-00-S2		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface NWNW Lot D 760FNL 760FWL At top prod interval reported below NWNW Lot D 760FNL 760FWL At total depth NWNW Lot D 760FNL 760FWL			10. Field and Pool, or Exploratory N INDIAN BASIN MORROW		
14. Date Spudded 03/19/2004			11. Sec., T., R., M., or Block and Survey or Area Sec 2 T21S R23E Mer NMP		
15. Date T.D. Reached 03/26/2004			12. County or Parish EDDY		
16. Date Completed <input checked="" type="checkbox"/> D & A <input type="checkbox"/> Ready to Prod. 04/22/2004			13. State NM		
17. Elevations (DF, KB, RT, GL)* 3741 GL			18. Total Depth: MD 9500 TVD 9500		
19. Plug Back T.D.: MD 9449 TVD 9449			20. Depth Bridge Plug Set: MD TVD		
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) SPECTRALDENSITY			22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis)		

## 23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12.250	9.625 J55	36.0	0	1205		475		0	
8.750	7.000 K55	26.0	0	8015	6310	1065		1000	
6.125	4.500 L80	11.6	6957	9500		200		6950	

## 24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	36	9159						

## 25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A)			9267 TO 9273	0.410	36	OPEN
B)			9311 TO 9326	0.410	90	OPEN
C)						
D)						

## 27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material

## 28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

  

28a. Production - Interval B									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

ACCEPTED FOR RECORD

JAN - 5 2005

ALEXIS C. SWOBODA  
PETROLEUM ENGINEER

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #52585 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\*

**28b. Production - Interval C**

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

**28c. Production - Interval D**

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

**29. Disposition of Gas (Sold, used for fuel, vented, etc.)**

UNKNOWN

**30. Summary of Porous Zones (Include Aquifers):**

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

**31. Formation (Log) Markers**

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
PENNSYLVANIAN				PENNSYLVANIAN STRAWN ATOKA MORROW	8136 8742 9018

**32. Additional remarks (include plugging procedure):**

The well would build pressure but upon opening would blow down within minutes. Soap sticks were used to try and unload the well but they were not effective.

The well was swab tested from 05/03/2004 through 05/05/2004 with 35 total barrels of water recovered and no measureable gas encountered.

The well was later discovered to have been perforated 8 feet above where intended. The well was re-perforated and CO2 fractured without results. Please see the follow up sundry

**33. Circle enclosed attachments:**

- |   |                    |               |                       |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.)     | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis   | 7. Other:     |                       |

**34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):**

**Electronic Submission #52585 Verified by the BLM Well Information System.  
For MARATHON OIL COMPANY, sent to the Carlsbad  
Committed to AFMSS for processing by ARMANDO LOPEZ on 01/04/2005 (05AL0072SE)**

Name (please print) CHARLES E KENDRIX

Title ENGINEERING TECHNICIAN

Signature (Electronic Submission)

Date 01/04/2005

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.

**\*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\***

**Additional data for transaction #52585 that would not fit on the form**

**32. Additional remarks, continued**

*for details and dates of the last perforations and frac work.*

A copy of the well logs will be sent to the BLM's Roswell office and to the NMOCD office in Artesia.