

NMCCD

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 checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		5. Lease Serial No. NMLC064391B
b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input 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. NMNM70964A
Contact: GINNY LARKE E-Mail: vlarke@marathonoil.com		8. Lease Name and Well No. INDIAN HILLS UNIT 37Y
3. Address P O BOX 552 MIDLAND, TX 79702		9. API Well No. 30-015-32594-00-S1
3a. Phone No. (include area code) Ph: 800.351.1417 Ext: 8321		10. Field and Pool, or Exploratory INDIAN BASIN UPPER PENN ASSOC
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface NENE Lot B 1098FNL 1400FEL At top prod interval reported below SWNE Lot G 2388FNL 2260FEL At total depth SWNE Lot G 2538FNL 2399FEL		11. Sec., T., R., M., or Block and Survey or Area Sec 20 T21S R24E Mer NMP
14. Date Spudded 12/22/2002	15. Date T.D. Reached 01/18/2003	12. County or Parish EDDY
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 02/16/2003		13. State NM
17. Elevations (DF, KB, RT, GL)* 4179 KB		

18. Total Depth: MD TVD 8820 8579	19. Plug Back T.D.: MD TVD 8779 8530	20. Depth Bridge Plug Set: MD TVD
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) GR DUALSPACEDNEUTR GAMMA		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 type="checkbox"/> No <input checked="" 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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12.250	9.625 K-55	36.0	0	1825		1400		0	
8.750	7.000 L-80	26.0	0	8826		1200		0	

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	8716	8716						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) PENNSYLVANIAN	8058	8494	8058 TO 8062			OPEN, 4 SPF
B)			8068 TO 8126			OPEN, 4 SPF
C)			8300 TO 8374			OPEN, 4 SPF
D)			8400 TO 8465			OPEN, 4 SPF

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

Depth Interval	Amount and Type of Material
8058 TO 8216	15% CARBONATE COMPLETION ACID, 125 GPF IN 2' INCRE
8300 TO 8465	15% CARBONATE COMPLETION ACID, 125 GPF IN 2' INCRE

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
02/16/2003	02/26/2003	24	→	526.0	2063.0	972.0			ELECTRIC PUMP SUB-SURFACE
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	310	200.0	→					POW	

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

APR 11 2003

ALEXIS C. SWOBODA
PETROLEUM ENGINEER

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

ELECTRONIC SUBMISSION #19093 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** 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.)
SOLD

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
UPPER PENN	8054	8450	DOLOMITE W/LIMESTONE & SHALE	QUEEN	475
				SAN ANDRES	1200
				GLORIETA	2876
				YESO	3017
				BONE SPRING LIME	5245
				TUBB-	7142
				ABO	7226
				WOLFCAMP	7253
				CANYON	8286

32. Additional remarks (include plugging procedure):

Logs, inclination report, and deviation survey were sent, by mail on 3/6/03, with the Sundries for completion operations, commingle, and water disposal.

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 #19093 Verified by the BLM Well Information System.
For MARATHON OIL COMPANY, sent to the Carlsbad
Committed to AFMSS for processing by Linda Askwig on 04/09/2003 (03LA0420SE)

Name (please print) GINNY LARKETitle AUTHORIZED REPRESENTATIVE

Signature _____ (Electronic Submission)

Date 04/09/2003

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 ****

Additional data for transaction #19093 that would not fit on the form

26. Perforation Record, continued

Perf Interval	Size	No. Holes	Perf Status
8480 TO 8494			OPEN, 4 SPF