Form 3160-4
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Oil Cons.
N.M. DIV-Dist. 2
1301 W. Grand Avenue
Artesia, NM 88210

FORM APPROVED
OMB NO. 1004-0137
Expires: November 30, 2000

5F

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.: LC 064243A

1a. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Dry Other

b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff.Resvr. Other

6. If Indian, Allotee or Tribe Name:

7. Unit or CA Agreement Name and No.: Indian Hills Unit 70964A

2. Name of Operator: Marathon Oil Company

8. Lease Name and Well No.: Indian Hills Unit #42

3. Address: P.O. Box 552 Midland, TX 79702

3a. Phone No. (include area code): 800-351-1417

9. API Well No.: 30-015-32355 SI

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface: Lot 2/UL "B", 475' FNL & 2522' FEL, Sec. 20, T-21-S, R-24-E

At top prod. interval reported below: Lot 8/UL P, 46' FSL & 511' FEL, Sec. 17

At total depth: 94' FSL & 297' FEL, Sec. 17

10. Field and Pool, or Exploratory: Indian Basin Upper Penn Assoc.

11. Sec., T., R., M., or Block and Survey or Area: Section 17, T-21-S, R-24-E

12. County or Parish: Eddy county

13. State: NM

RECEIVED
JUL 2002
OCD - ARTESIA

14. Date Spudded	15. Date T.D. Reached	16. Date Completed	17. Elevations (DF, RKB, RT, GL)*
4/4/02	5/8/02	☐ D & A ☒ Ready to Prod. 6/26/02	GL-4205' KB-4222'

18. Total Depth: MD / TVD	19. Plug Back T.D.: MD / TVD	20. Depth Bridge Plug Set: MD / TVD
8935' / 8607'	8888' / 8563'	7815' / 7526'

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

Density Neutron, Laterolog

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run ☒ No ☐ Yes (Submit report
Directional Survey? ☐ No ☒ Yes (Submit copy)

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
12.375	9.625	36	0	1818		1450		0	
8.75	7	23 & 26	0	8934'		2450		0	circ 8sx to pit

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
3.5	8805'	RBP-8805'						

25. Producing Intervals / 26. Perforation Record

	Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A)	Upper Pennsylvanian	8227	TD	8376-8613		812	open
B)							
C)							
D)							

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

Depth Interval	Amount and Type of Material
8376-8613	21,000 gals SBM 15% CCA Sour Acid

ACCEPTED FOR RECORD
JUL 30 2002
ALEXIS C. SWOBODA
PETROLEUM ENGINEER

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity	Gas Gravity	Production Method
6/26/02	6/26/02	24	→	103	1073	2971			SUB PUMP
Choke Size	**Tbg. Press. Flwg. SI**	**Csg. Press.**	**24 Hr.**	**Oil BBL**	**Gas MCF**	**Water BBL**	**Gas: Oil Ratio**	**Well Status**	
	250	200	→					PRODUCING	

28a. Production-Interval B

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

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

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. →	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	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. →	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
CISCO	8227	8462	DOLOMITE, MINOR LIMESTONE	GLORIETA	2880
CANYON	8462	TD	DOLOMITE	YESO	3030
				BONE SPRING	5327
				3RD BONE SPRING SAND	7064
				WOLFCAMP	7395
				CISCO	8227
				CANYON	8462

32. Additional remarks (include plugging procedure):

First wellbore plugged back to 7815' w/kick-off plug @ 5945'. Sidetrack hole was kicked-off @ 6170' & TD'd @ 8935'.

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 inclination survey

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

Name (please print) Ginny Larke Title Engineer Technician

Signature Ginny Larke Date 7/23/02

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.