

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

N.M. Oil Cons. Div-Dist. 2

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

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1301 W. Grand Avenue

Artesia, NM 88210

Well No.

NMM-05551

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

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

2. Name of Operator

Marathon Oil Company

3. Address

P.O. Box 3487 Houston, TX 77253-3487

3a. Phone No. (include area code)

713-296-2096

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

At surface UL "M", 760' FSL &amp; 990' FWL

At top prod. interval reported below UL "M", 725' FSL &amp; 1097 FWL

At total depth UL "N", 725' FSL, 1424' FWL

RECEIVED

APR 21 2005

DOB-ARTESIA

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

NMM-70998-X B

8. Lease Name and Well No.

North Indian Basin Unit No. 22

9. API Well No.

30-025-28583 0132

10. Field and Pool, or Exploratory

Indian Basin Morrow (078960)

11. Sec., T., R., M., or Block and

Survey or Area

Section 11, T-21-S, R-23-E

12. County or Parish

Eddy

13. State

NM

14. Date Spudded

11/07/1995

15. Date T.D. Reached

05/04/2004

16. Date Completed

☐ D & A☒ Ready to Prod.

05/20/2004

17. Elevations (DF, RKB, RT, GL)\*

3767' GL

18. Total Depth: MD

9750

TVD

9601

19. Plug Back T.D.: MD

9690

TVD

9028

20. Depth Bridge Plug Set: MD

TVD

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

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

Dual Laterolog, Dual-Spaced Neutron Spectral Density

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 1/4"	9 5/8"	36#	0	1210'		550 sks		surface	
8 3/4"	7"	23 & 26	0	8050'	6378'	1085 sks		surface	
6 1/8"	4 1/2"	11.6 #	6989'	9750'		200 sks		Top Liner	

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 3/8"	8940'	8905'	4 1/2"					

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Morrow	9070'	9448'	9070' - 9448'	.410	64	Open
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
9070' - 9448'	

ACCEPTED FOR RECORD

APR 19 2005

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
05/20/04	05/27/04	24	→	.1	2554	.2			Flowing
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
11/64	1830	0	→	.1	2554	.2		Active	

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 page 2)

## 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
Wolfcamp	7044	7110	Limestone	Queen	Surface
Upper Penn	7408	7832	Limestone, Dolomite	San Andres	527
Morrow	9070	9448		Glorieta	2049
				Bone Spring	3508
				B / Leonardian	5694
				Wolfcamp Sh	6084
				Wolfcamp Lime	7044
				Upper Penn	7408
				B/ Dolomite	7832

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

## 33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☒ Electrical/Mechanical Logs (1 full set req'd)
 ☐ Geologic Report
 ☐ DST Report
 ☒ Directional Survey
- ☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☐ Other

## 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) Charles E. KendrixTitle Engineering Technician

Signature

Charles E. KendrixDate 04/07/2005

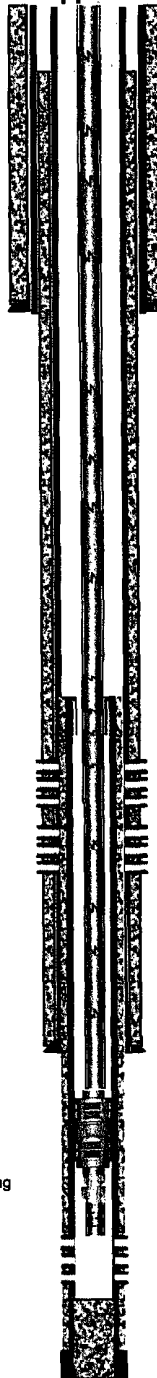
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



**North Indian Basin Unit No. 22**  
**Morrow completion / Upper Penn Abandoned**

Marathon Oil Company  
North Indian Basin Unit No. 22  
27-May-04

Well Spudded 11/07/1995



Surface 9 5/8" 36# K-55 Set @ 1210' w/550 sks  
Hole size 12 1/4" cement to surface

Top of 4 1/2" 11.6# liner set @ 6989'  
cement to top of liner.

Squeezed Upper Penn Perfs 7060' to 7060'

Squeezed Upper Penn Perfs 7732' to 7824'

Production Casing 7" 23&26# K-55 set @ 8050'  
w/ 1085 sks. Hole size 8 3/4" cement to surface

4 1/2" packer @ 8905'

Landing nipple, XN nipple & 1 jt 2 3/8" tubing  
below packer  
Bottom of assembly ~8940'

Cement, Float collar, and Float shoe @  
9690' - 9750'

Morrow Perfs 9070'-9084' 9389'-9393', &  
9432' - 9448'

4 1/2" 11.6# liner set @ 9750 MD, 9601 TVD  
w/ 200 sks cement.