

Submit to Appropriate District Office
State Lease - 6 copies
Fee Lease - 5 copies

State of New Mexico
Energy, Minerals and Natural Resources

Form C-105
Revised June 10, 2003

District I
1625 N. French, Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO.

30-015-27235

5. Indicate Type Of Lease

STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

E-10083

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well:

OIL WELL ☐ GAS WELL ☐ DRY ☒ OTHER _____

b. Type of Completion:

NEW WELL ☐ WORK OVER ☐ DEEPEN ☒ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER _____

RECEIVED

JUN 14 2004

2. Name of Operator

Marathon Oil Company

ODD-ARTESIA

3. Address of Operator

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

8. Well No.

4

9. Pool name or Wildcat

Cemetery Morrow 74640

4. Well Location

Unit Letter **E** : **1880** Feet From The **North** Line and **660** Feet From The **West** Line

Section **36** Township **20-S** Range **24-E** NMPM **Eddy** County

10. Date Spudded

03/31/2004

11. Date T.D. Reached

04/05/2004

12. Date Compl. (Ready to Prod.)

N/A

13. Elevations (DF & RKB, RT, GR, etc.)

GR 3634'

14. Elev. Casinghead

15. Total Depth

9600'

16. Plug Back T.D.

7178'

17. If Multiple Compl. How Many Zones?

0

18. Intervals Drilled By

Rotary Tools

All

Cable Tools

19. Producing Interval(s), of this completion - Top, Bottom, Name

No producing interval

20. Was Directional Survey Made

No

21. Type Electric and Other Logs Run

Density, Neutron, Laterlog

22. Was Well Cored

No

23. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8"	32#	1220'	12 1/4"	1100	
7"	26# & 23#	7999'	8 3/4"	1100	

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET

25. TUBING RECORD

26. Perforation record (interval, size, and number)

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED

28. PRODUCTION

Date First Production **N/A** Production Method (Flowing, gas lift, pumping - Size and type pump) **N/A** Well Status (Prod. or Shut-in) **SI**

Date of Test **N/A** Hours Tested Choke Size Prod'n For Test Period Oil - Bbl. Gas - MCF Water - Bbl. Gas - Oil Ratio

Flow Tubing Press. Casing Pressure Calculated 24-Hour Rate Oil - Bbl. Gas - MCF Water - Bbl. Oil Gravity - API - (Corr.)

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

N/A

Test Witnessed By

30. List Attachments

Word Document: Indian Hills State Com # 4 well work performed.

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature *Charles E. Kendrick*

Printed Name

Charles E. Kendrick

Title Engineering Tech

Date 06/09/2004

E-mail address cekendrix@MarathonOil.com

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northeastern New Mexico	
T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn. "B"
T. Salt	T. Strawn 8188'	T. Kirtland-Fruitland	T. Penn. "C"
B. Salt	T. Atoka 8808'	T. Pictured Cliffs	T. Penn. "D"
T. Yates	T. Miss	T. Cliff House	T. Leadville
T. 7 Rivers	T. Devonian	T. Menefee	T. Madison
T. Queen	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg 417'	T. Montoya	T. Mancos	T. McCracken
T. San Andres 650'	T. Simpson	T. Gallup	T. Ignacio Otzte
T. Glorieta 2259'	T. McKee	Base Greenhorn	T. Granite
T. Paddock 2365'	T. Ellenburger	T. Dakota	T.
T. Blinbry	T. Gr. Wash	T. Morrison	T.
T. Tubb	T. Delaware Sand	T. Todilto	T.
T. Drinkard	T. Bone Springs	T. Entrada	T.
T. Abo	T. Morrow: 9086'	T. Wingate	T.
T. Wolfcamp 5997'		T. Chinle	T.
T. Penn 7500'	T.	T. Permian	T.
T. Cisco (Bough C) 7506'	T.	T. Penn "A"	T.

OIL OR GAS SANDS OR ZONES

No. 1, from 6552 to 6676
 No. 2, from 7506 to 7813
 No. 3, from _____ to _____
 No. 4, from _____ to _____

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from _____ to _____ feet
 No. 2, from _____ to _____ feet
 No. 3, from _____ to _____ feet

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness in Feet	Lithology	From	To	Thickness in Feet	Lithology
0	650	650	Sand, Lime				
650	2253	1603	Dolomite				
2253	2365	112	Sand Dolomite				
2365	3327	962	Dolomite				
3327	4357	1030	Sand, Lime				
4357	5712	1355	Limestone				
5712	5997	285	Sand				
5997	7500	1503	Lime, Shale				
7500	7506	6	Lime Shale				
7506	7519	13	Lime				
7519	7813	294	Dolomite				
7813	8000	187	Shale, Lime				

Indian Hills State Com # 4

Morrow re-completion / Deepening

- 03/22/2004 Set Cement retainer @ 7319' and squeeze existing Upper Penn perms w/ 300 sks nitrified cement followed by 100 sks neat cement. Wait on cement. Picked up 6- 4 3/4" drill collars and bit.
- 03/23/2004 Tag cement @ 7313'. Drilled out to 7516'. Continued in hole to drilling sporadic cement to 7770'. No squeeze.
- 03/24/2004 RIH w/ 2nd Cement retainer set @ 7319. Squeeze w/ 25 sks thixotr cmt & 100 sks Premium Plus tail. Squeezed to 1500 psi.
- 03/25/2004 Drill out 2nd retainer to 7500'.
- 03/26/2004 Finish drilling cmt. Pressure test squeeze to 500 psi. Lay down work string.
- 03/31/2004 RIH w/ 36 4 3/4" drill collars and 3 1/2" drill pipe. Tagged @ 7942'. Drilled cement 7942' to float collar @ 7945'. Drilled float collar, cement and shoe @ 8000'. Drilled open hole to 8079'.
- 04/01/2004 Drilled open hole 8079' to 8395'.
- 04/02/2004 Drilled open hole 8395' to 8884'.
- 04/03/2004 Drilled open hole 8884' to 9273'.
- 04/04/2004 Trip replace bit. Drill open hole 9273' to 9500'.
- 04/05/2004 Drill open hole 9500' to 9600' TD. Ran Logs 9600' to 8000'.
- 04/06/2004 Spot Cement plug 211' (25 sks) f/ 9104' to 8893'. Wait on cement.
- 04/07/2004 Tag 1st cement plug @ 8915'. Spot 2nd plug (25 sks) f/ 8050' to 7839'. Wait on cement. Tag 2nd plug @ 7850'. Spot 3rd plug (50 sks) @ 7602' to 7178' PBTD. Lay down drill pipe and collars. Nippled up tubing head. Temporarily abandon well.

30-015-27235-00-00

INDIAN HILLS STATE COM

No. 004

Company Name: MARATHON OIL CO

Location: Sec: 36 T: 20S R: 24E Spot:

Lat/Long: Lat: 32.5320215631903 Long: -104.54832

Property Name: INDIAN HILLS STATE COM

County Name: Eddy

String Information

String	Bottom (ft sub)	Diameter (inches)	Weight (lb/ft)	Length (ft)
HOL1	1220	9.625		
SURF	1220	9.625	36	1220
HOL2	7999	7		
PKR	7784	7		5
PROD	7999	7	26	7999
T1	7779	2.875		7779

Cement from 1220 ft. to surface

Surface: 9.625 in. @ 1220 ft.

Hole: 9.625 in. @ 1220 ft.

Cement Information

String	BOC (ft sub)	TOC (ft sub)	Class	Sacks
PROD	7999	0	C	1100
SURF	1220	0	C	1100

Perforation Information

Top (ft sub)	Bottom (ft sub)	Shts/Ft	No Shts	Dt Sqz
7703	7746			

Formation Information

St Code	Formation	Depth
Pgb	Grayburg	417
Psa	San Andres	650
Pgl	Glorieta	2259
Pwc	Wolfcamp	5997
Ppcan	Canyon	7500
PPst	Strawn	8062
Ppat	Atoka	8800
Ppmor	Morrow	9086

Cement from 7999 ft. to surface

Packer: 7 in. @ 7784 ft.

Tubing: 2.875 in. @ 7779 ft.

Production: 7 in. @ 7999 ft.

Hole: 7 in. @ 7999 ft.

TD:

TVD: 8000

PBDT: