



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

State of New Mexico  
 Energy, Minerals and Natural Resources Department

Form C-105  
 Revised 1-1-89

**DISTRICT I**  
 P.O. Box 1980, Hobbs, NM 88240

**DISTRICT II**  
 P.O. Drawer DD, Artesia, NM 88210

**DISTRICT III**  
 1000 Rio Brazos Rd., Aztec, NM 87410

**OIL CONSERVATION DIVISION**  
 2040 Pacheco St.  
 Santa Fe, NM 87505

WELL API NO. 30-015-30618
5. Indicate Type Of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. V-993-3

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

1a. Type of Well: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER _____	7. Lease Name or Unit Agreement Name INDIAN BASIN "32" STATE
b. Type of Completion: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF RESVR <input type="checkbox"/> OTHER _____	
2. Name of Operator Marathon Oil Company	8. Well No. 4
3. Address of Operator P.O. Box 552, Midland, TX 79702	9. Pool name or Wildcat INDIAN BASIN UPPER PENN ASSOCIATED

4. Well Location  
 Unit Letter D : 660 Feet From The NORTH Line and 810 Feet From The WEST Line

Section 32 Township 21-S Range 24-E NMPM EDDY County

10. Date Spudded 5/17/99	11. Date T.D. Reached 6/5/99	12. Date Compl. (Ready to Prod.) 6/23/99	13. Elevations (DF & RKB, RT, GR, etc.) GL-3791'; KB-3808'	14. Elev. Casinghead
15. Total Depth 8105	16. Plug Back T.D. 8057'	17. If Multiple Compl. How Many Zones?	18. Intervals Drilled By Rotary Tools ALL	19. Cable Tools

19. Producing Interval(s), of this completion - Top, Bottom, Name  
UPPER PENN 7821' - 8105'

20. Was Directional Survey Made

21. Type Electric and Other Logs Run  
CN/GR, MCFL/GR, & NATURAL GAMMA SPECTROSCOPY

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"	36	1198'	12.25"	489 SX-DID NOT CIRC.	
7"	23 & 26	8105'	8.75"	1050 SX-85 SX CIRC	

24. **LINER RECORD**

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25. **TUBING RECORD**

SIZE	DEPTH SET	PACKER SET
2-7/8"	7795'	RBP-7800'

26. Perforation record (interval, size, and number)  
7325' - 7338', 7340' - 7382', 7386' - 7410' 4 JSPF FOR A TOTAL OF 316 HOLES

27. **ACID, SHOT, FRACTURE, CEMENT, SOEZE, ETC.**

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
7325' - 7410'	8200 GALS 15% CCA SOUR ACID

28. **PRODUCTION**

Date First Production 6/25/99	Production Method (Flowing, gas lift, pumping - Size and type pump) ESP Submersible pump	Well Status (Prod. or Shut-in) PRODUCING					
Date of Test 7/19/99	Hours Tested 24	Choke Size	Prod'n For Test Period	Oil - Bbl. 1	Gas - MCF 2296	Water - Bbl. 2888	Gas - Oil Ratio 2296000
Flow Tubing Press. 260	Casing Pressure 200	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API -(Corr.) 41.2	

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

Test Witnessed By

30. List Attachments  
INCLINATION SURVEYS & LOGS

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 Ginny Larke Printed Name Ginny Larke Title Engineer Tech. Date 8/13/99

# 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 _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt _____	T. Atoka _____	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 _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____ 725	T. Simpson _____	T. Gallup _____	T. Ignacio Otzte _____
T. Glorieta _____ 2256	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____ 2383	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinebry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Delaware Sand _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Bone Springs _____ 4433	T. Entrada _____	T. _____
T. Abo _____	T. 3rd Bone Sprgs Sand 6343	T. Wingate _____	T. _____
T. Wolfcamp _____ 6640	T. _____	T. Chinle _____	T. _____
T. Penn _____ 7317	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn "A" _____	T. _____

### OIL OR GAS SANDS OR ZONES

No. 1, from 7317 to 7821  
 No. 2, from \_\_\_\_\_ to \_\_\_\_\_  
 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
725	2256		Dolomite, Limestone				
2256	2383		Sand, Dolomite				
2383	3954		Dolomite, Limestone				
3954	4433		Sand, Limestone				
4433	6343		Limestone				
6343	6640		Sand				
6640	7317		Shale, Limestone				
7317	7821		Dolomite				
7821	8105		Limestone, Shale				

Submit 3 Copies  
to Appropriate  
District Office

State of New Mexico  
Energy, Minerals and Natural Resources Department

**FILE COPY**

Form C-103  
Revised 1-1-89

*AP*

**OIL CONSERVATION DIVISION**  
2040 Pacheco St.  
Santa Fe, NM 87505

**DISTRICT I**  
P.O. Box 1980, Hobbs NM 88241-1980  
**DISTRICT II**  
P.O. Drawer DD, Artesia, NM 88210  
**DISTRICT III**  
1000 Rio Brazos Rd., Aztec, NM 87410

WELL API NO. <b>30-015-30618</b>
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name <b>INDIAN BASIN "32" STATE</b>
8. Well No. <b>4</b>
9. Pool name or Wildcat <b>INDIAN BASIN, U. PENN ASSOC.</b>

**SUNDRY NOTICES AND REPORTS ON WELLS**

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:  
OIL WELL  GAS WELL  OTHER

2. Name of Operator  
**Marathon Oil Company**

3. Address of Operator  
**P.O. Box 552, Midland, TX 79702**

4. Well Location  
Unit Letter **D** : **660** Feet From The **NORTH** Line and **810** Feet From The **WEST** Line  
Section **32** Township **21-S** Range **24-E** NMPM **EDDY** County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)  
**3791' GL**

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

<b>NOTICE OF INTENTION TO:</b>	<b>SUBSEQUENT REPORT OF:</b>
PERFORM REMEDIAL WORK <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input checked="" type="checkbox"/>
OTHER: <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
	CASING TEST AND CEMENT JOB <input type="checkbox"/>
	OTHER: <input type="checkbox"/>

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

SEE ATTACHED FOR DETAIL



I hereby certify that the information above is true and complete to the best of my knowledge and belief.  
SIGNATURE *Walter J. Longmire* TITLE DRILLING SUPERINTENDENT DATE 6/9/99  
TYPE OR PRINT NAME R. J. LONGMIRE TELEPHONE NO. 915/687-8356

(This space for State Use)  
APPROVED BY *Jim W. Green* TITLE District Supervisor DATE 6-23-99  
CONDITIONS OF APPROVAL, IF ANY:

Marathon Oil Company

Indian Basin 32 # 4  
660' FNL & 810' FWL  
Section 32, T-21-S, R-24-E  
Eddy County, N.M.

5/17/99, MIRU United# 4, Spud 12.25" hole @ 1800 hrs, 5/17/99. Air drilled to 1200'. Ran 28 jts, 9.625", 36 #, K-55, STC casing to 1230', shoe @ 1230', Float collar @ 1158'. Cemented W/ 200 sx "H" Wt-14.6, yield- 1.51, followed by 189 sx. 35/65/6 Wt - 12.4, yield - 2.02. Tailed in w/ 150 sx premium plus neat, Wt 14.8, yield - 1.34. Did not circulate cement. Ran Temp Survey, found TOC @ 680' Tagged cement @ 680'. Cemented w/ 1" tubing, 165 sx, Class "C" in 4 stages to 475'. Dumped 10 CY of pea gravel in annulus. Cemented to surface w/ 225 sx cement in 4 stages. Welded 9.625" SOW X 11" 3M casing head. Tested weld to 1500 psi. N.U. 11" 3M dual ram and annular BOPE, choke manifold and kill line. Tested BOPE to 3000/300 psi. Tested annular to 2000 psi. P.U. 8.75" bit and TIH to TOC @ 1178', tested casing to 1000 psi. Rigged down United, Rigged up Mc Vay #4 Drilled shoe and formation to 8105' TD @ 0830 hrs 6/4/99. R.U. Schlumberger, ran Platform - Express w/ HALS/NGT 8041' - Surface.

Changed rams to 7", ran 66 jts, 26 #, K-55, 104 jts, 23 #, K-55, 2 jts, 26 #, K-55 LTC casing to 8105'. Shoe @ 8105', float collar @ 8057', D.V. @ 5921'. Cemented 1st. stage w/ 250 sx Premium Plus w/ 18,500 Scf N2, Wt - 9.2, yield - 1.18. Tailed in w/ 200 sx Premium Plus foamed w/ 6300 SCF N2, Wt - 13.0, yield 1.18. Set ECP & dropped bomb, opened D.V. tool @ 5921', circulated out gas and water, had full returns, circulated out 15 sx cement. Cemented 2nd stage w/ 500 sx. Interfil "C" w/ .25 p.p.s. flocele, 3 p.p.s. Gilsonite, .2% Halad - 22, Wt - 11.9, yield - 2.47. Tailed in w 100 sx neat. Plug down @ 0145 rs, 3/20/99. Circulated 20 sx to surface.

ND BOPE and set slips, NU 11" 3M X 7 1/16" 3M tubing spool. Tested seals to 1000 psi. Released rig @ 0300 hrs 6/7/99.

MARATHON OIL COMPANY Attachment to Form C-142			
INDIAN BASIN "32" STATE WELL NO. 4			
API NO. 30-015-30618			
Field	Working Interest Owners	Working Interest %	NRI %
IB 32 State #4	MOC	75.00000	62.50000
W/2 Sec. 32, T-21-S, R-24-E	Santa Fe Energy Resources	25.00000	20.83333
D. O.			