

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

458

RECEIVED
JAN 16 '89
O.C.D.
ARTESIA OFFICE

5. LEASE DESIGNATION AND SERIAL NO.
NM-05612-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Indian Basin "A"

9. WELL NO.
2

10. FIELD AND POOL, OR WELL NAME
Indian Basin (Penn)

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 22, T21S, R23E

12. COUNTY OR PARISH
Eddy

13. STATE
NM

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other CARBONATE

b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESERV. Other ARTESIA

2. NAME OF OPERATOR
Marathon Oil Company

3. ADDRESS OF OPERATOR
P.O. Box 552, Midland, Texas 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface Unit Letter K, 1650' FSL & 1650' FWL
At top prod. interval reported below
At total depth

14. PERMIT NO. 30-015-26011 | DATE ISSUED 10-27-88

15. DATE SPUNDED 11-9-88 | 16. DATE T.D. REACHED 11-29-88 | 17. DATE COMPL. (Ready to prod.) 12-27-88 | 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 3900' KB, 3880' GR | 19. ELEV. CASINGHEAD 3880'

20. TOTAL DEPTH, MD & TVD 7800' MD & TVD | 21. PLUG, BACK T.D., MD & TVD 7500' MD & TVD | 22. IF MULTIPLE COMPL., HOW MANY* N/A | 23. INTERVALS DRILLED BY → Rotary Tools All | Cable Tools

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
Upper Penn 7319'-24', 7334'-38', 7352'-61', 7372'-78'

25. WAS DIRECTIONAL SURVEY MADE
No

26. TYPE ELECTRIC AND OTHER LOGS RUN
NGL, CNL-LDT, BHC-Sonic, DLL-MSFL, DIL-SFL

27. WAS WELL CORDED
Yes

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"	48#	250'	17 1/2"	185 sx Class "C" Circ'd	-
8 5/8"	24#	2003'	11"	765 sx Class "C" Circ'd	-
5 1/2"	15.5#	7800'	7 7/8"	976 sx Class "H" Circ'd	-

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	7195'	7189'

31. PERFORATION RECORD (Interval, size and number)

Upper Penn
7319'-24', 7334'-38', 7352'-61', 7372'-78'
w/2 JSPF (total 52 .41" holes)

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
7610'-7644'	1700 gals 15% HCl; wet zone, set CIBP
7536'-7568'	750 gals 15% HCl; wet zone, set CIBP
7319'-7338'	1200 gals 15% HCl; prod. zone

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
12-18-88	Flowing	Shut-In

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
12-27-88	24	1.250"	→	40	4210	0	105,250

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
865 psig	0 psig	→	40	4210	0	58.1

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
Vented

TEST WITNESSED BY
Ralph Skinner, Jr.

35. LIST OF ATTACHMENTS
Inclination Survey and log list from #26 above

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED J.R. Jenkins TITLE Hobbs Production Superintendent DATE 1/6/89

*(See Instructions and Spaces for Additional Data on Reverse Side) CARLSBAD, NEW MEXICO

37. SUMMARY OF POROUS ZONES: (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);

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
San Andres	474'					
Glorieta	2016'					
Bone Spring	2918'					
Wolfcamp	5994'					
Upper Penn Lime	7278'					
Upper Penn Dolomite	7316'					
Upper Penn Clastics	7706'					
Strawn Lime	7770'					
			Oil, Water & Gas			

RECEIVED

OPERATOR: Marathon Oil Company
 ADDRESS: P.O. Box 552
 Midland, Texas 79702

WELL NAME: Indian Basin A-2
 LOCATION: Section 22, T-21-S, R-23-E
 Eddy County, New Mexico

RECEIVED

JAN 16 '89

RECORD OF INCLINATION

JAN 11 11 57 AM '89

O.C.D.

MEASURED DEPTH (feet)	COURSE LENGTH	ANGLE OF INCLINATION (Degrees)	DISPLACEMENT PER HUNDRED FEET (Sine of Angle X100)	COURSE DISPLACEMENT (feet)	ACCUMULATIVE DISPLACEMENT (feet)
250	250	1.25	2.19	5.47	5.47
650	400	1.00	1.75	7.00	12.47
1050	400	0.25	0.44	1.75	14.22
1435	385	0.50	0.88	3.37	17.59
1781	346	0.50	0.88	3.03	20.62
2000	219	0.25	0.44	0.96	21.57
2459	459	0.75	1.31	6.02	27.60
2920	461	0.50	0.88	4.03	31.63
3320	400	0.75	1.31	5.25	36.88
3597	277	1.50	2.63	7.27	44.15
3781	184	1.75	3.06	5.64	49.79
3993	212	1.50	2.63	5.57	55.35
4209	216	1.25	2.19	4.73	60.08
4489	280	1.25	2.19	6.13	66.20
4678	189	1.75	3.06	5.79	71.99
4768	90	2.00	3.50	3.15	75.14
4951	183	2.50	4.38	8.01	83.15
5231	280	3.00	5.25	14.70	97.85
5415	184	3.00	5.25	9.66	107.51
5630	215	3.00	5.25	11.29	118.79
5751	121	2.50	4.38	5.29	124.09
5966	215	2.00	3.50	7.53	131.61
6454	488	3.00	5.25	25.62	157.23
6673	219	1.50	2.63	5.75	162.98
7134	461	2.50	4.38	20.17	183.15
7280	146	2.00	3.50	5.11	188.26
7800	520	1.50	2.63	13.65	201.91

Accumulative total displacement at well bore at total depth of 7,800' feet = 201.91 feet.
 Inclination measurements were made in - Tubing Casing Open Hole X Drill Pipe.
 At no time was the subject well intentionally deviated from the vertical in any manner whatsoever.

INCLINATION DATA CERTIFICATION

I declare that I am authorized to make this certification, that I have personal knowledge of the inclination data and facts placed on this form and that such data and facts are true, correct and complete to the best of my knowledge.

SEAL

M. D. Mosley
 Signature of Authorized Representative

M. D. Mosley, Vice President Drilling Operations
 Name of Person and Title

TOT Drilling Corporation
 Name of Company

Telephone: (915) 563-1948

Subscribed and sworn before me this
 5th Day of December, 1988.

Charles A. Knight
 Notary Public for the State of Texas
 My Commission Expires June 10, 1989.