

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NR1000

FORM APPROVED
OMB NO. 1004-0135
Expires: November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
Marathon Oil Company

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

3b. Phone No. (include area code)
915-687-8360

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Section 28 T-21-S, R-24-E U.L. "P"
SHL @ 899' FSL & 347' FEL
BHL @ 700' FSL & 891' FEL

5. Lease Serial No.

NM-030482

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA/Agreement, Name and/or No.

Indian Hills Unit

8. Well Name and No.

Indian Hills Unit 51

9. API Well No.

30-015-32724

10. Field and Pool, or Exploratory Area

Indian Basin U. P. Assoc.

11. County or Parish, State

Eddy N.M.

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- | | | | |
|--|---|--|---|
| ☐ Acidize | ☐ Deepen | ☐ Production (Start/Resume) | ☐ Water Shut-Off |
| ☐ Alter Casing | ☐ Fracture Treat | ☐ Reclamation | ☐ Well Integrity |
| ☐ Casing Repair | ☐ New Construction | ☐ Recomplete | ☐ Other |
| ☒ Change Plans | ☐ Plug and Abandon | ☐ Temporarily Abandon | |
| ☐ Convert to Injection | ☐ Plug Back | ☐ Water Disposal | |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

Marathon oil Company has changed the BHL target on this Indian Basin Upper Penn. Assoc. well.
The new BHL will put the penetration point and the terminus in the Standard 660' set back for the
Indian Basin Upper Penn. Assoc. hard lines. This will insure a standard location on both
penetration point and terminus of the well.

Please find the new directional plan attached showing the Pen. Point and BHL.

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Jerry Fletcher

Title

Engineer Tech.

Date 12/05/02

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

(ORIG. SGD.) ALEXIS C. SWOBODA

Title

PETROLEUM ENGINEER

Date

APR 10 2003

Conditions of approval, if any, are attached. Approval of this notice does not warrant or
certify that the applicant holds legal or equitable title to those rights in the subject lease
which would entitle the applicant to conduct operations thereon.

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes 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.

DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised February 10, 1994
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0719

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

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

DISTRICT IV
P.O. BOX 2088, SANTA FE, N.M. 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-32724	Pool Code 33685	Pool Name Indian Basin Upper Penn. Assoc.
Property Code	Property Name INDIAN HILLS UNIT	Well Number 51
OGRID No. 14021	Operator Name MARATHON OIL COMPANY	Elevation 4085'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	28	21-S	24-E		899'	SOUTH	347'	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	28	21-S	24-E		700'	SOUTH	891'	EAST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
320.7 S/2			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief. Signature Jerry Fletcher Printed Name Engineer Tech. Title December 05, 2002 Date
	SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. AUGUST 13, 2002 Date Surveyed AWB Signature & Seal of Professional Surveyor 02.11.0577 Certificate No. RONALD J. EIDSON 3239 GARY EIDSON 12641

Marathon Oil Company

Structure : Indian Hills Unit 51

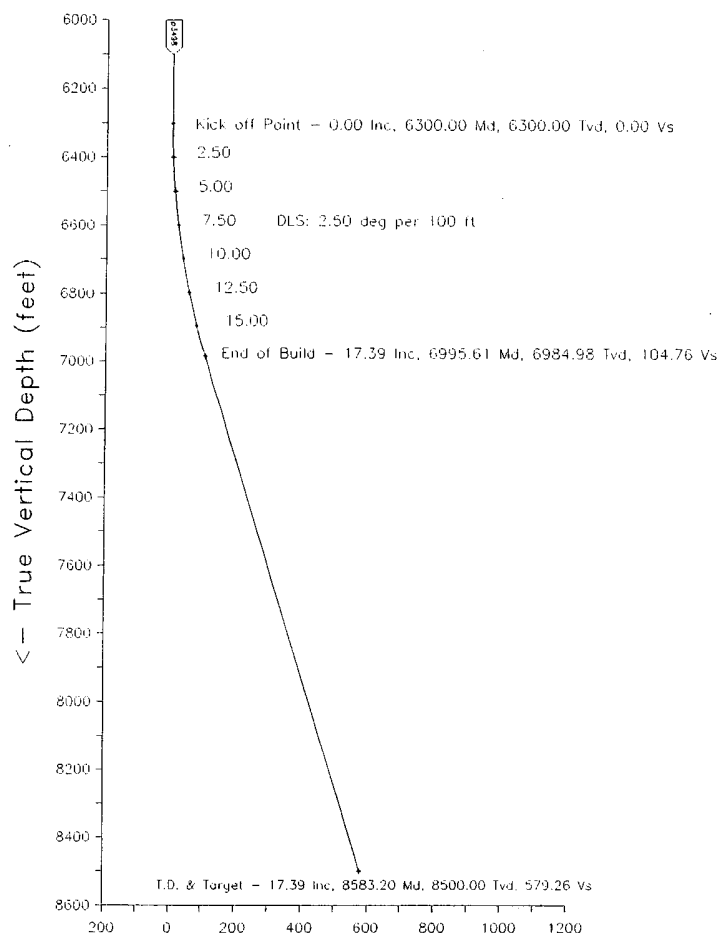
Slot : slot #1

Field : INDIAN BASIN

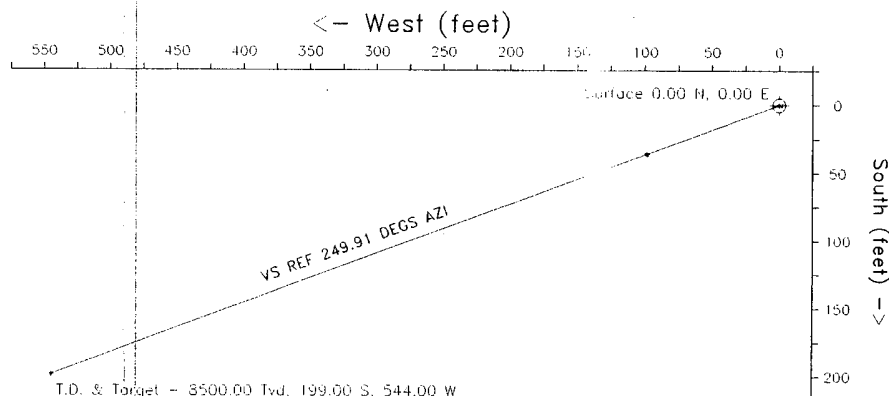
Location : Eddy County New Mexico

WELL PROFILE DATA

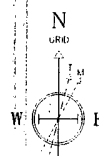
Point	MD	Inc	Dir	TVD	North	East	V. Sect	Deg/100
Tie on	0.00	0.00	249.91	0.00	0.00	0.00	0.00	0.00
KOP	6300.00	0.00	249.91	6300.00	0.00	0.00	0.00	0.00
End of Build	6995.61	17.39	249.91	6984.98	-35.99	-98.38	104.76	2.50
T.D. & Target TD IHH 51	8583.20	17.39	249.91	8500.00	-199.00	-544.00	579.26	0.00



Vertical Section (feet) ->
Azimuth 249.91 with reference 0.00 N, 0.00 E from slot #1



PROPOSED BHL
579.26' ON AZI 249.91 DEGS
FROM SURFACE LOCATION
M.D: 8583.20' T.V.D: 8500.00'
S- 199.00' W- 544.00'
X= 449530.50 Y= 525710.70

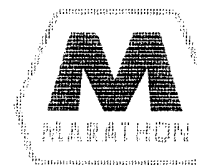


18-Dec-2002 (Source: BGGM)
Magnetic North is 9.04 degrees East of True North
GRID North is 0.09 degrees West of True North
To correct azimuth from True to GRID add 0.09 deg
To correct azimuth from Magnetic to GRID add 9.13 deg

STRUCTURE SET-UP REFERENCE

LAT : 32 26 44.644 N
LONG : 104 29 42.626 W
X = 450074.5 Y = 525909.7

SHL
PROJECTION: MERCATOR
Mercator Zone: New Mexico East
Spheroid Used: Clarke - 1866
Data Source: BGGM
Dip Angle: 60.45 deg
Field Strength: 49393.20 nT



INTEQ

Created By kellym
Date plotted : 4-Dec-2002
Plot Reference is PO 2DJ RC/DH .
Coordinates are in feet reference slot #1.
True Vertical Depths are reference rotary table.
Ihu51r4
--- Baker Hughes INTEQ ---

Marathon Oil Company
Indian Hills Unit 51

slot #1
INDIAN BASIN
Eddy County New Mexico

P R O P O S A L L I S T I N G

by
Baker Hughes INTEQ

Your ref : P0 2DJ RC/DH
Our ref : prop3498
License :

Date printed : 4-Dec-2002
Date created : 1-Oct-2002
Last revised : 4-Dec-2002

Field is centred on n32 30 0.000,w104 30 0
Structure is centred on 450074.500,525909.700,999.00000,N

Slot location is n32 26 44.644,w104 29 42.626
Slot Grid coordinates are N 525909.700, E 450074.500
Slot local coordinates are 0.00 N 0.00 E

Projection type: mercator - New Mexico East (3001), Spheroid: Clarke - 1866

Reference North is Grid North

Marathon Oil Company
Indian Hills Unit 51, slot #1
INDIAN BASIN, Eddy County New Mexico

PROPOSAL LISTING Page 1
Your ref : P0 2DJ RC/DH
Last revised : 4-Dec-2002

Measured Depth	Inclin Degrees	Azimuth Degrees	True Vert Depth	R E C T A N G U L A R C O O R D I N A T E S		Dogleg Deg/100ft	Vert Sect	G R I D Easting	C O O R D S Northing
0.00	0.00	249.91	0.00	0.00N	0.00E	0.00	0.00	450074.50	525909.70
500.00	0.00	249.91	500.00	0.00N	0.00E	0.00	0.00	450074.50	525909.70
1000.00	0.00	249.91	1000.00	0.00N	0.00E	0.00	0.00	450074.50	525909.70
1500.00	0.00	249.91	1500.00	0.00N	0.00E	0.00	0.00	450074.50	525909.70
2000.00	0.00	249.91	2000.00	0.00N	0.00E	0.00	0.00	450074.50	525909.70
2500.00	0.00	249.91	2500.00	0.00N	0.00E	0.00	0.00	450074.50	525909.70
3000.00	0.00	249.91	3000.00	0.00N	0.00E	0.00	0.00	450074.50	525909.70
3500.00	0.00	249.91	3500.00	0.00N	0.00E	0.00	0.00	450074.50	525909.70
4000.00	0.00	249.91	4000.00	0.00N	0.00E	0.00	0.00	450074.50	525909.70
4500.00	0.00	249.91	4500.00	0.00N	0.00E	0.00	0.00	450074.50	525909.70
5000.00	0.00	249.91	5000.00	0.00N	0.00E	0.00	0.00	450074.50	525909.70
5500.00	0.00	249.91	5500.00	0.00N	0.00E	0.00	0.00	450074.50	525909.70
6000.00	0.00	249.91	6000.00	0.00N	0.00E	0.00	0.00	450074.50	525909.70
6300.00	0.00	249.91	6300.00	0.00N	0.00E	0.00	0.00	450074.50	525909.70
6400.00	2.50	249.91	6399.97	0.75S	2.05W	2.50	2.18	450072.45	525908.95
6500.00	5.00	249.91	6499.75	3.00S	8.19W	2.50	8.72	450066.31	525906.70
6600.00	7.50	249.91	6599.14	6.74S	18.41W	2.50	19.61	450056.09	525902.96
6700.00	10.00	249.91	6697.97	11.96S	32.70W	2.50	34.82	450041.80	525897.74
6800.00	12.50	249.91	6796.04	18.66S	51.02W	2.50	54.33	450023.48	525891.04
6900.00	15.00	249.91	6893.17	26.83S	73.34W	2.50	78.09	450001.16	525882.87
6995.61	17.39	249.91	6984.98	35.99S	98.38W	2.50	104.76	449976.12	525873.71
7000.00	17.39	249.91	6989.17	36.44S	99.61W	0.00	106.07	449974.89	525873.26
7500.00	17.39	249.91	7466.31	87.78S	239.96W	0.00	255.51	449834.54	525821.92
8000.00	17.39	249.91	7943.46	139.12S	380.30W	0.00	404.95	449694.20	525770.58
8500.00	17.39	249.91	8420.60	190.46S	520.65W	0.00	554.39	449553.85	525719.24
8583.20	17.39	249.91	8500.00	199.00S	544.00W	0.00	579.26	449530.50	525710.70

Pen. Point 2
7800' MD
671' FEL
780' FSL

BHL-Terminus 2
700' FSL
891' FEL

All data in feet unless otherwise stated. Calculation uses minimum curvature method.

Coordinates from slot #1 and TVD from rotary table.

Bottom hole distance is 579.26 on azimuth 249.91 degrees from wellhead.

Vertical section is from N 0.00 E 0.00 on azimuth 249.91 degrees.

Grid is mercator - New Mexico East (3001).

Grid coordinates in FEET and computed using the Clarke - 1866 spheroid

Presented by Baker Hughes INTEQ

Marathon Oil Company
Indian Hills Unit 51, slot #1
INDIAN BASIN, Eddy County New Mexico

PROPOSAL LISTING Page 2
Your ref : P0 2DJ RC/DH
Last revised : 4-Dec-2002

Comments in wellpath

=====

MD	TVD	Rectangular Coords.	Comment
8583.20	8500.00	199.00S 544.00W	TD IHU 51

Targets associated with this wellpath

=====

Target name	Geographic Location	T.V.D.	Rectangular Coordinates	Revised
TD IHU 51	449530.500, 525710.700, 1903598	8500.00	199.00S 544.00W	1-Oct-2002

* * * N A U T I C A L (V e r s i o n 4 . 0 1) * * *

Well: Indian Hills Unit #51

Target Azimuth: 249.91

Closure Direction: 245

Target TVD: 9000

Calculation Method - Minimum Curvature

Measured Depth (ft)	Inclination (deg.)	Azimuth (deg.)	True Vertical Depth (ft)	Vertical Section (ft)	North/South (ft)	East/West (ft)	Closure (ft)	Build Rate (deg/ft)	Walk Rate (deg/ft)	Dogleg Severity (d/100')	Tool Face (deg)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	<==== Tie-in Data				
500.00	0.00	249.91	500.00	0.00	0.00	0.00	0.00	0.000	0.500	0.00	Plan
1,000.00	0.00	249.91	1,000.00	0.00	0.00	0.00	0.00	0.000	0.000	0.00	Plan
1,500.00	0.00	249.91	1,500.00	0.00	0.00	0.00	0.00	0.000	0.000	0.00	Plan
2,000.00	0.00	249.91	2,000.00	0.00	0.00	0.00	0.00	0.000	0.000	0.00	Plan
2,500.00	0.00	249.91	2,500.00	0.00	0.00	0.00	0.00	0.000	0.000	0.00	Plan
3,000.00	0.00	249.91	3,000.00	0.00	0.00	0.00	0.00	0.000	0.000	0.00	Plan
3,500.00	0.00	249.91	3,500.00	0.00	0.00	0.00	0.00	0.000	0.000	0.00	Plan
4,000.00	0.00	249.91	4,000.00	0.00	0.00	0.00	0.00	0.000	0.000	0.00	Plan
4,500.00	0.00	249.91	4,500.00	0.00	0.00	0.00	0.00	0.000	0.000	0.00	Plan
5,000.00	0.00	249.91	5,000.00	0.00	0.00	0.00	0.00	0.000	0.000	0.00	Plan
5,500.00	0.00	249.91	5,500.00	0.00	0.00	0.00	0.00	0.000	0.000	0.00	Plan
6,000.00	0.00	249.91	6,000.00	0.00	0.00	0.00	0.00	0.000	0.000	0.00	Plan
6,100.00	0.00	249.91	6,100.00	0.00	0.00	0.00	0.00	0.000	0.000	0.00	Plan
6,200.00	0.00	249.91	6,200.00	0.00	0.00	0.00	0.00	0.000	0.000	0.00	Plan
6,300.00	0.00	249.91	6,300.00	0.00	0.00	0.00	0.00	0.000	0.000	0.00	KOP
6,400.00	2.50	249.91	6,399.97	2.18	-0.75	-2.05	2.18	0.025	0.000	2.50	Plan
6,500.00	5.00	249.91	6,499.75	8.72	-3.00	-8.19	8.72	0.025	0.000	2.50	Plan
6,600.00	7.50	249.91	6,599.14	19.61	-6.74	-18.41	19.61	0.025	0.000	2.50	Plan
6,700.00	10.00	249.91	6,697.97	34.82	-11.96	-32.70	34.82	0.025	0.000	2.50	Plan
6,800.00	12.50	249.91	6,796.04	54.33	-18.66	-51.02	54.33	0.025	0.000	2.50	Plan
6,900.00	15.00	249.91	6,893.17	78.09	-26.82	-73.34	78.09	0.025	0.000	2.50	Plan
6,995.61	17.39	249.91	6,984.98	104.76	-35.98	-98.38	104.76	0.025	0.000	2.50	Plan
7,000.00	17.39	249.91	6,989.17	106.07	-36.43	-99.62	106.07	0.000	0.000	0.00	Plan
7,100.00	17.39	249.91	7,084.60	135.96	-46.70	-127.68	135.96	0.000	0.000	0.00	Plan
7,200.00	17.39	249.91	7,180.03	165.84	-56.97	-155.75	165.84	0.000	0.000	0.00	Plan
7,300.00	17.39	249.91	7,275.46	195.73	-67.23	-183.82	195.73	0.000	0.000	0.00	Plan
7,400.00	17.39	249.91	7,370.89	225.62	-77.50	-211.89	225.62	0.000	0.000	0.00	Plan
7,500.00	17.39	249.91	7,466.31	255.51	-87.77	-239.96	255.51	0.000	0.000	0.00	Plan
7,600.00	17.39	249.91	7,561.74	285.39	-98.03	-268.03	285.39	0.000	0.000	0.00	Plan
7,700.00	17.39	249.91	7,657.17	315.28	-108.30	-296.10	315.28	0.000	0.000	0.00	Plan
7,800.00	17.39	249.91	7,752.60	345.17	-118.56	-324.17	345.17	0.000	0.000	0.00	Cisco
7,900.00	17.39	249.91	7,848.03	375.06	-128.83	-352.24	375.06	0.000	0.000	0.00	Plan
8,000.00	17.39	249.91	7,943.46	404.94	-139.10	-380.30	404.94	0.000	0.000	0.00	Plan
8,100.00	17.39	249.91	8,038.89	434.83	-149.36	-408.37	434.83	0.000	0.000	0.00	Plan
8,200.00	17.39	249.91	8,134.32	464.72	-159.63	-436.44	464.72	0.000	0.000	0.00	Plan
8,300.00	17.39	249.91	8,229.75	494.61	-169.90	-464.51	494.61	0.000	0.000	0.00	Plan
8,400.00	17.39	249.91	8,325.18	524.49	-180.16	-492.58	524.49	0.000	0.000	0.00	Plan
8,500.00	17.39	249.91	8,420.61	554.36	-190.43	-520.65	554.36	0.000	0.000	0.00	Plan
8,582.64	17.39	249.91	8,499.47	579.08	-198.91	-543.85	579.08	0.000	0.000	0.00	Plan

Penetration Point