

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NMOC

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		5. Lease Serial No. NMNM030482
2. Name of Operator MARATHON OIL COMPANY		6. If Indian, Allottee or Tribe Name
3a. Address P O BOX 3487 HOUSTON, TX 77253		7. If Unit or CA/Agreement, Name and/or No. NMNM70964A
3b. Phone No. (include area code) Ph: 713-296-2096		8. Well Name and No. INDIAN HILLS UNIT 53
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 28 T21S R24E SENW Lot F 1383FNL 1586FWL		9. API Well No. 30-015-32875-00-S1
10. Field and Pool, or Exploratory INDIAN BASIN UPPER PENN ASS		11. County or Parish, and State EDDY COUNTY, NM

RECEIVED

JAN 10 2005

OCD:ARTERIA

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

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ 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 recompleate 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 recompleation 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 site is ready for final inspection.)

Indian Hills Unit # 53 is a directionally drilled Upper Penn Assoc. gas well w/perfs: 7612' to 7980'(MD). Marathon intends to squeeze off current perfs. w/ approx 150 sks of cement, and cut a window in the 7" casing at approx. 7810'. Then drill a 4.75" horizontal lateral to a new TL-of 800' FSL & 2050' FWL of same section and producing interval. This will be an Open Hole completion. Please see attached C-102 and directional plan.

14. I hereby certify that the foregoing is true and correct. Electronic Submission #52644 verified by the BLM Well Information System For MARATHON OIL COMPANY, sent to the Carlsbad Committed to AFMSS for processing by ARMANDO LOPEZ on 01/05/2005 (05AL0077SE)	
Name (Printed/Typed) MIKE MICK	Title AUTHORIZED REPRESENTATIVE
Signature (Electronic Submission)	Date 01/05/2005

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By ALEXIS C SWOBODA <i>[Signature]</i>	Title PETROLEUM ENGINEER	Date 01/06/20
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.		Office Carlsbad

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.

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

District I
1625 N. French Dr., 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

State of New Mexico
Energy, Minerals & Natural Resources

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

Form C-102
Revised June 10, 2003

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-32875	² Pool Code 33685	³ Pool Name INDIAN BASIN UPPER PENN ASSOCIATED
⁴ Property Code 6409	⁵ Property Name INDIAN HILLS UNIT	⁶ Well Number 53
⁷ OGRID No. 14021	⁸ Operator Name Marathon Oil Company	⁹ Elevation 3702'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	28	21-S	24-E		1383'	North	1586	West	ELLY

¹¹ 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
H	28	21-S	24-E		800'	South	2050'	West	ELLY

¹² Dedicated Acres 320 S/2	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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

	GEODETH COORDINATES IND 27 NME SLUR Y=528872.8 N X=448801.8 E LAT. = 32.45387° N LONG. = 104.505797° W
	RECEIVED JAN 10 2005 ODD-ARTEGIA
	OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. <i>Mike Mick</i> Signature Mike Mick Printed Name Adv Sr. Engineer Technician mfmick@marathonoil.com Title and E-mail Address
	SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of correct survey made by me or under my supervision, and that the same is true and correct to the best of my belief. MAY 20, 2003 Date Entered 12/15/04 JR Signature & Seal of Professional Surveyor 04.13.1629 Certificate No. GARY HEDDEN 12841

Marathon Oil Company
Indian Hills Unit #53

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 : Plan 1 Horizontal
Our ref : prop4417
License :

Date printed : 8-Dec-2004
Date created : 8-Dec-2004
Last revised : 8-Dec-2004

Field is centred on 445535.500,521332.200,-105.00000,N
Structure is centred on 446801.800,528872.900,-105.00000,N

Slot location is n32 27 13.917,w104 30 20.874
Slot Grid coordinates are N 528872.900, E 446801.800
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 #53, slot #1
INDIAN BASIN, Eddy County New Mexico

PROPOSAL LISTING Page 1
Your ref : Plan 1 Horizontal
Last revised : 8-Dec-2004

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 C O O R D S Easting Northing	
7748.00	12.80	165.90	7576.31	1403.30S	350.24E	0.00	1422.93	447152.04	527469.60
7810.00	12.80	165.90	7636.77	1416.62S	353.59E	0.00	1436.44	447155.39	527456.28
7900.00	53.52	182.07	7710.64	1464.54S	354.76E	45.93	1484.34	447156.56	527408.36
7986.08	92.93	185.48	7735.00	1545.14S	349.19E	45.93	1564.41	447150.99	527327.76
8000.00	92.93	185.48	7734.29	1558.98S	347.86E	0.00	1578.13	447149.66	527313.92
8100.00	92.93	185.48	7729.18	1658.39S	338.33E	0.00	1676.73	447140.13	527214.51
8200.00	92.93	185.48	7724.07	1757.81S	328.79E	0.00	1775.32	447130.59	527115.09
8300.00	92.93	185.48	7718.96	1857.22S	319.26E	0.00	1873.91	447121.06	527015.68
8400.00	92.93	185.48	7713.85	1956.63S	309.72E	0.00	1972.51	447111.52	526916.27
8500.00	92.93	185.48	7708.74	2056.04S	300.18E	0.00	2071.10	447101.98	526816.86
8600.00	92.93	185.48	7703.62	2155.46S	290.64E	0.00	2169.69	447092.44	526717.44
8700.00	92.93	185.48	7698.51	2254.87S	281.11E	0.00	2268.29	447082.91	526618.03
8800.00	92.93	185.48	7693.39	2354.28S	271.57E	0.00	2366.88	447073.37	526518.62
8900.00	92.93	185.48	7688.28	2453.69S	262.03E	0.00	2465.47	447063.83	526419.21
9000.00	92.93	185.48	7683.16	2553.11S	252.49E	0.00	2564.06	447054.29	526319.79
9100.00	92.93	185.48	7678.04	2652.52S	242.95E	0.00	2662.66	447044.75	526220.38
9200.00	92.93	185.48	7672.93	2751.93S	233.41E	0.00	2761.25	447035.21	526120.97
9300.00	92.93	185.48	7667.81	2851.34S	223.87E	0.00	2859.84	447025.67	526021.56
9400.00	92.93	185.48	7662.69	2950.76S	214.33E	0.00	2958.43	447016.13	525922.14
9500.00	92.94	185.48	7657.57	3050.17S	204.78E	0.00	3057.02	447006.58	525822.73
9550.13	92.94	185.48	7655.00	3100.00S	200.00E	0.00	3106.44	447001.80	525772.90

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 3106.44 on azimuth 176.31 degrees from wellhead.
Vertical section is from S 0.00 E 0.00 on azimuth 176.31 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 #53, slot #1
INDIAN BASIN, Eddy County New Mexico

PROPOSAL LISTING Page 2
Your ref : Plan 1 Horizontal
Last revised : 8-Dec-2004

				Comments in wellpath
				=====
MD	TVD	Rectangular Coords.		Comment

7986.08	7735.00	1545.14S	349.19E	End of Curve
9550.13	7655.00	3100.00S	200.00E	TD Lateral

Targets associated with this wellpath				
=====				
Target name	Geographic Location	T.V.D.	Rectangular Coordinates	Revised

End of Curve		7735.00	1545.14S 349.19E	8-Dec-2004
TD Lateral		7655.00	3100.00S 200.00E	8-Dec-2004

Azimuth 176.31 with reference 0.00 S, 0.00 E from slot #1