

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

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)

SHL @ 199' FSL & 524' FEL Section 16, T-21-S, R-24-E
BHL @ 1800' FNL & 753' FEL Section 21, T-21-S, R-24-E
Eddy Co. N.M.

5. Lease Serial No.

NM-07260

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 41

9. API Well No.

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

☐ Alter Casing

☐ Casing Repair

☐ Change Plans

☐ Convert to Injection

☐ Deepen

☐ Fracture Treat

☐ New Construction

☐ Plug and Abandon

☐ Plug Back

☐ Production (Start/Resume)

☐ Reclamation

☐ Recomplete

☐ Temporarily Abandon

☐ Water Disposal

☐ Water Shut-Off

☐ Well Integrity

☐ Other

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 recompleat 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 on the directional plan to make sure the Penetration point and Terminus fall within the set back distance for the Indian Basin Upper Penn. Assoc. Gas Pool which is 660' from the outer boundary of the proration unit.

Please see attached new Directional Survey furnished by Baker Inteq for details as well as a new C-102 acreage dedication plat.

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

Jerry Fletcher

Title

Engineer Tech.

Date 11/15/02

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

/S/ JOE G. LARA

Title

FIELD MANAGER

Date

NOV 21 2002

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 FIELD OFFICE

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

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

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

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

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number	Pool Code	Pool Name
	33685	Indian Basin Upper Penn. Assoc.
Property Code	Property Name	Well Number
	INDIAN HILLS UNIT	41
OGRID No.	Operator Name	Elevation
14021	MARATHON OIL COMPANY	4017'

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	16	21-S	24-E		199'	SOUTH	524'	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
H	21	21-S	24-E		1800'	NORTH	753'	EAST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
320 E/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

SURF. LOC. GEODETIC COORDINATES NAD 27 NME Y = 535566.2 N X = 449530.7 E LAT. 32°28'20.20" N LONG. 104°29'49.14" W		SURF. LOC. 4009.1' 3993.7' 524'	
SEC. 16		SEC. 21	
Project Area		4013.1' 4011.2'	
660'		1800'	
BH Loc X= 533568.0 Y= 449301.8		753'	
IHU # 28 BHL		Producing Area	

OPERATOR CERTIFICATION

I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.

Jerry Fletcher
Signature

Jerry Fletcher
Printed Name

Engineer Tech.
Title

10/04/02
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.

SEPTEMBER 30, 2002

Date Surveyed

Signature & Seal of Professional Surveyor

RONALD F. EIDSON
GARY EIDSON

3239
12641

Created By Kellym
Date plotted: 13-Nov-2002
Plot Reference is PG 201 B/L/BH
Coordinates are in feet reference slot #1.
True Vertical Depths are reference rotary table
Inch 41/4
Baker Hughes INTEQ

Marathon Oil Company

Structure : Indian Hills Unit 41

Slot : slot #1

Field : INDIAN BASIN

Location : Eddy County New Mexico

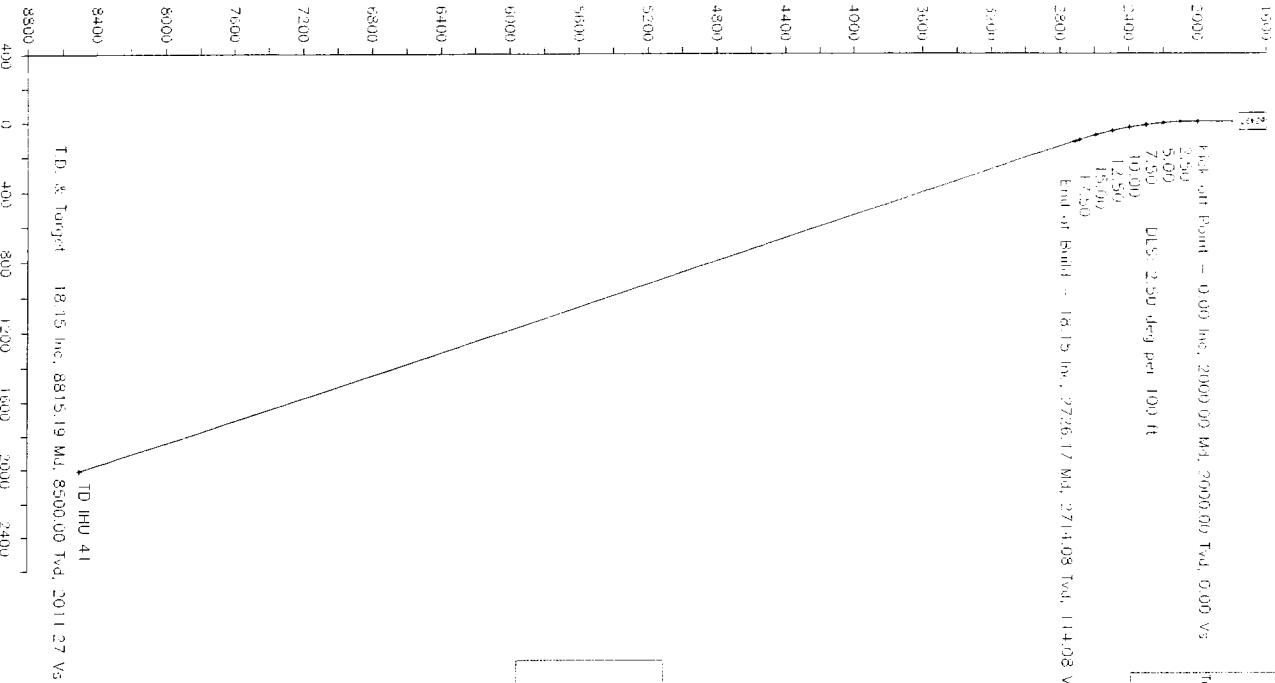
WELL PROFILE DATA

Point	MD	In.	DR	TD	Bath.	East	V. Sect	Dev/100
Top	0.00	0.00	186.53	0.00	0.00	0.00	0.00	0.00
Y-OP	2000.00	0.00	186.53	2000.00	0.00	0.00	0.00	0.00
End of Build	2726.17	18.15	186.53	2714.08	-113.54	-12.98	114.08	2.50
TD & Target TD HHU 41	8815.19	18.15	186.53	8500.00	-1998.20	-228.90	2011.27	0.00

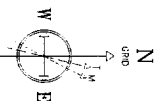


PROPOSED BHL
2011.27' ON AZI 186.53 DEGS
FROM SURFACE LOCATION
M.D: 8815.19' T.V.D: 8500.00'
S-- 1998.20' W-- 228.90'
X = 449301.80 Y = 533568.00

< - True Vertical Depth (feet)



TD & Target 18.15 Inc. 8815.19 Md. 8500.00 Tvd. 2011.27 Vs
Vertical Section (feet) ->
Azimuth 186.53 with reference 0.00 N, 0.00 E from slot #1



18-01-2007 (Source: BGM)
Magnetic North is 9.04 degrees East of True North
To correct azimuth from True to GND add 0.09 deg
To correct azimuth from Magnetic to GND add 9.13 deg

STRUCTURE SET-UP REFERENCE

LAT: 35.2833197 N
LONG: -106.0939165 W
X = 449500.7 Y = 533046.7

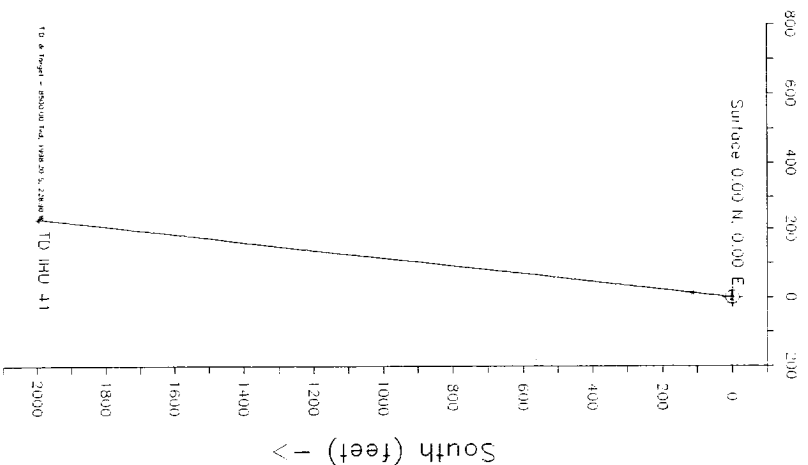
PROJECTION: MERCATOR

Merceder Zone: NAD 83 (North American Datum 1983)

Spheroid Used: BGM

Dip Angle: 0.47 deg
Field Strength: 47000.00 nT

< - West (feet)



Marathon Oil Company
Indian Hills Unit 41

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 2DU RC/DH
Our ref : prop3497
License :

Date printed : 13-Nov-2002
Date created : 1-Oct-2002
Last revised : 13-Nov-2002

Field is centred on n32 30 0.000,w104 30 0
Structure is centred on 449530.700,535566.200,999.00000,N

Slot location is n32 28 20.197,w104 29 49.145
Slot Grid coordinates are N 535566.200, E 449530.700
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 41, slot #1
INDIAN BASIN, Eddy County New Mexico

PROPOSAL LISTING Page 1
Your ref : P0 2DJ RC/DH
Last revised : 13-Nov-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	186.53	0.00	0.00N	0.00	0.00	449530.70	535566.20
500.00	0.00	186.53	500.00	0.00N	0.00	0.00	449530.70	535566.20
1000.00	0.00	186.53	1000.00	0.00N	0.00	0.00	449530.70	535566.20
1500.00	0.00	186.53	1500.00	0.00N	0.00	0.00	449530.70	535566.20
2000.00	0.00	186.53	2000.00	0.00N	0.00	0.00	449530.70	535566.20
2100.00	2.50	186.53	2099.97	2.17S	2.50	2.18	449530.45	535564.03
2200.00	5.00	186.53	2199.75	8.66S	2.50	8.72	449529.71	535557.54
2300.00	7.50	186.53	2299.14	19.48S	2.50	19.61	449528.47	535546.72
2400.00	10.00	186.53	2397.97	34.59S	2.50	34.82	449526.74	535531.61
2500.00	12.50	186.53	2496.04	53.97S	2.50	54.33	449524.52	535512.23
2600.00	15.00	186.53	2593.17	77.58S	2.50	78.09	449521.81	535488.62
2700.00	17.50	186.53	2689.17	105.38S	2.50	106.07	449518.63	535460.82
2726.17	18.15	186.53	2714.08	113.34S	2.50	114.08	449517.72	535452.86
3000.00	18.15	186.53	2974.28	198.11S	0.00	199.40	449508.01	535368.09
3500.00	18.15	186.53	3449.39	352.88S	0.00	355.19	449490.28	535213.32
4000.00	18.15	186.53	3924.50	507.66S	0.00	510.98	449472.55	535058.54
4500.00	18.15	186.53	4399.61	662.43S	0.00	666.76	449454.82	534903.77
5000.00	18.15	186.53	4874.72	817.21S	0.00	822.55	449437.09	534748.99
5500.00	18.15	186.53	5349.83	971.98S	0.00	978.34	449419.36	534594.22
6000.00	18.15	186.53	5824.94	1126.76S	0.00	1134.13	449401.63	534439.44
6500.00	18.15	186.53	6300.06	1281.53S	0.00	1289.91	449383.90	534284.67
7000.00	18.15	186.53	6775.17	1436.31S	0.00	1445.70	449366.17	534129.89
7500.00	18.15	186.53	7250.28	1591.08S	0.00	1601.49	449348.44	533975.12
8000.00	18.15	186.53	7725.39	1745.86S	0.00	1757.28	449330.71	533820.34
8500.00	18.15	186.53	8200.50	1900.63S	0.00	1913.06	449312.98	533665.57
8815.19	18.15	186.53	8500.00	1998.20S	0.00	2011.27	449301.80	533568.00

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 2011.27 on azimuth 186.53 degrees from wellhead.
 Vertical section is from N 0.00 E 0.00 on azimuth 186.53 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 41, slot #1
 INDIAN BASIN, Eddy County New Mexico
 PROPOSAL LISTING Page 2
 Your ref : P0 2DJ RC/DH
 Last revised : 13-Nov-2002

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

8815.19	8500.00	1998.20S	228.90W TD IHU 41

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

TD IHU 41	449301.800, 533568.000, 0.00000	8500.00	1998.20S 228.90W 1-Oct-2002

Section 21
T215, R24E
Eddy Co.

