Form 3160-3 (July 1992)	DEPARTMEN	ED STA TE T OF THE I	5 NTERIOI			FORM APPF OMB NO. 10 Expires: Febru 5. LEASE DESIGNATION AN LC-064391B	004-0136 ary 28, 1995	c 151
	BUREAU OF	LAND MANÀ	GEMENT	કુ સુધારથાર <i>પ્⊴ ન⊴</i> ક	thing in the St	6. IF INDIAN, ALLOTTEE OR		
APPL	ICATION FOR PE	N/A						
1a. TYPE OF WORK	RILL X	DEEPEN				7. UNIT AGREEMENT NAME Indian Hills U		9
OIL WELL	GAS X OTHER	214151	SINGL	E X MULT		8. FARM OR LEASE NAME,	WELL NO.	+
2. NAME OF OPERATOR Marathon Oil Com	Dany 14/21	01121314151	19 19 19 19 19 19 19 19 19 19 19 19 19 1	ZONE		9. API WELL NO.	hit	37-Y
3 ADDRESS AND TELEPHONE NO						30-015-343 32594		
P.O. Box 552 Midland, TX 79702 $\binom{10}{10}$ $\binom{10}{10}$ $\binom{10}{10}$ 915-687-836					-687-8360	10. FIELD AND POOL, OR WILDCAT		
4. LOCATION OF WELL (Rep. At surface 1098' FNL & 1400' At proposed prod. zone	ort location clearly and in account of the second sec	nce with the Satel¥[OCD - ART	ESIA (3)			Indian Basin U 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA	pper Penn.	Assoc
2620' FNL & 2538'		· · · · · · · · · · · · · · · · · · ·		LoT 2		Sec. 20, T-21-	<u>S, R-24-E</u>	
14. DISTANCE IN MILES AND I	12. COUNTY OR PARISH	13. STATE						
15 miles SE of Ca 15. DISTANCE FROM PROPOSE LOCATION TO NEAREST PROPERTY OR LEASE LINI (Also to nearest drlg. unit	ED*	FEL	16. NO. OF ACI	RES IN LEASE	17. NO. OF A TO THIS	Eddy CRES ASSIGNED WELL 320	<u>N.M.</u>	<u></u>
18. DISTANCE FROM PROPOSE TO NEAREST WELL, DRILL OR APPLIED FOR, ON THIS	19. PROPOSED DEPTH 20. ROTAR 8600' Rota			Y OR CABLE TOOLS				
21. ELEVATIONS (Show when	ther DF,RT, GR, etc.)					22. APPROX. DATE WORK	WILL START*	
4162' G.L.						October 15,	2002	
23.]	PROPOSED CASING	AND CEMENT	ING PROGRAM				
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOO	т	SETTING DEPTH		QUANTITY OF CEME	ENT	
12-1/4"	9-5/8" K-55	36#		1800'	640 sk	640 sks.		
8-3/4"	7" K-55	23# & 26	#	86001	1280			

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Marathon is drilling a directional Indian Basin Upper Penn. Assoc. gas well to 8600'

The surface location is on the existing IHU # 25 location.

24

Marathon lost the surface hole on the IHU # 37 well and approval was given by Mr. Joe Laura of the Carlsbad Field office to skid over and drill the IHU # 37-H well on 12-23-02. A subsequent End of well report was sent in on 1/6/03 for the IHU # 37.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

SIGNED Juny Filther	TITLE Engineer Tech.	DATE 1/13/03
(This space for Federal or State office use)	<u></u>	
PERMIT NO.	APPROVAL DATE	
Application approval does not warrant or certify that the applicant holds legal or equ CONDITIONS OF APPROVAL, IF ANY:	itable title to those rights in the subject lease which would entitle the a	applicant to conduct operations thereon.
IS/LAHHY D. BHAY	Assistant Field Ma	anager, LAN 1 A COM

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, 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 1960, Hobbs, NM 88241-1980

DISTRICT II P.O. Drawer DD. Artemia, 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

X

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

OIL CONSERVATION DIVISION P.O. Box 2088

Santa Fe, New Mexico 87504-2088

□ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT API Number Pool Code Pool Name 30-015-32543 33685 Indian Basin Upper Penn. Assoc. **Property** Code Property Name Well Number INDIAN HILLS UNIT 37**-Y** OGRID No. **Operator** Name Elevation MARATHON OIL COMPANY 14021 4162 Surface Location UL or lot No. Section Township Range Lot Idn Feet from the North/South line Feet from the East/West line County 2 20 21-S 24–E 1098'NORTH 1400 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 "C" 20 21-S 24-E 2620' NORTH 2538' 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 LOT4 LOT 3 LOT 2 LOT **OPERATOR CERTIFICATION** I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief. 4167.6 4115.8 Flitter 1400 38.99 AC 40.55 AC 38.97 AC 37.68 AC Signature LOT 6 LOT 5 LOT 7 LOT 8 120,8 Jerry Fletcher 4141.2' Printed Name Engineer Tech. Title 1/6/03 Date # 37−Y ΊHƯ BHL Ø 37.95 AC 39.51 AC 39.39 SURVEYOR CERTIFICATION AC 38.34 AC I hereby certify that the well location shown GEODETIC COORDINATES on this plat was plotted from field notes of NAD 27 N.M.L. actual surveys made by me or under my 18 192 .16 Y=534335.3 supervison and that the same is true and 15 Print in the second second X=443420.5 correct to the best of my belief. LAT.=32*28'07.92"N LONG.=104,31'00.45"W Date Surveyed DECEMBER 27, 2002 LA Signature (& Seat (9) Professional Surveyor RE OUD a MED 12/27/02 02.11/090

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AND CARY

3239 12641

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

SEC. <u>20</u> TWP.<u>21-S</u> RGE. <u>24-E</u> SURVEY <u>N.M.P.M.</u> COUNTY <u>EDDY</u> DESCRIPTION <u>1098' FNL & 1400' FEL</u> ELEVATION <u>4161.7'</u> OPERATOR <u>MARATHON OIL COMPANY</u> LEASE <u>INDIAN HILLS UNIT</u> U.S.G.S. TOPOGRAPHIC MAP MARTHA CREEK, N.M. CONTOUR INTERVAL: 20' MARTHA CREEK, N.M.

JOHN WEST SURVEYING HOBBS, NEW MEXICO (505) 393-3117 VICINITY MAP



SCALE: 1'' = 2 MILES

SEC. <u>20</u> TWP.<u>21-S</u> RGE. <u>24-E</u> SURVEY N.M.P.M. COUNTY EDDY DESCRIPTION <u>1098' FNL & 1400' FEL</u> ELEVATION <u>4161.7'</u> OPERATOR <u>MARATHON OIL COMPANY</u> LEASE INDIAN HILLS UNIT

JOHN WEST SURVEYING HOBBS, NEW MEXICO (505) 393-3117