Form 3160-5 UNIT (August 1999) DEPARTMENT BUREAU OF L		Oil Cons. N.M. DIV-Dist. W. Grand Av	2	OM	RM APPROVED B NO. 1004-0135 : November 30, 2000	
	130	1 W Grand Δv	ANIA	5. Lease Seria	al No.	
		COID. INVI OOZ	210	LC-064391-	<u>B</u>	
Do not use this form for	° proposals to drill or	to re-enter an		6. If Indian, A	llottee or Tribe Name	
abandoned well. Use For	m 3160-3 (APD) for	such proposals.		N/A		
SUBMIT IN TRIPLICATE -	Other instructions			7. If Unit or C	A/Agreement, Name and/or No.	
1 T				Indian Hil	ls Unit NM 70964X	
1. Type of Well Oil Well Gas Well Other		131415167	18,			
2. Name of Operator		8. Well Name and No. — Indian Hills Unit # 37-Y				
Marathon Oil Company		The t	1. El			
3a. Address		3b othone No. (include ar	} ···	9. API Well No. ZJCG()		
P.O. Box 552 Midland, TX 79702	D	30-015-3 3 3 3 3 3 7 3 7 4 3 7 7 4 3 7 7 4 3 7 7 4 3 7 7 7 4 3 7 7 7 7				
4. Location of Well (Footage, Sec., T., R., M., or Survey)	Description)	000 - ART	esia 😌	10. Field and Pool, or Exploratory Area Indian Basin U.P. Assoc.		
1098' FNL & 1400' FEL	• •	Lin UCD	G/	Indian Bas	in U.P. Assoc.	
Sec. 20, T-21-S, R-24-E		62.	1050/	11. County or	Parish. State	
Eddy Co. N.M.	2824	Eddy N.M.				
12. CHECK APPROPRIATE	BOX(ES) TO INC		NOTICE, REP			
TYPE OF SUBMISSION			PE OF ACTION			
X Notice of Intent	Acidize	Deepen	Production	n (Start/Resume)	Water Shut-Off	
	Alter Casing	Fracture Treat	Reclamati	วท	Well Integrity	
Subsequent Report	Casing Repair New Construction Recomplet			te	Other	
Final Abandonment Notice	X Change Plans	Plug and Abandon		ily Abandon		
—	Convert to Injectio	m Plug Back	Water Dis	posal		
 Describe Proposed or Completed Operation (clear) If the proposal is to deepen directionally or recomp Attach the Bond under which the work will be per 						

If the proposal is to deepen directionally or recomplete 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 lost the hole on the IHU # 37 and subsequently had to skid the rig over and start a new hole, the IHU # 37-Y.

Please find attached plat for new SHL.



14. I hereby certify that the foregoing is true and correct Name (Printed/Typed)	itle	
Jerry Fletcher	Engineer te	ch.
Juny Eletthin 1	Date 1/6/02	
THIS SPACE FOR FEDERAL	OR STATE OFFICE U	JSE
Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant o 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.	r Office e	
Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes it a crime for any States any false, fictitious or fraudulent statements or representations as to any matter with	y person knowingly and willf	ully to make to any department or agency of the United

DESTRUCT II DESTRUCT III DESTRUCT III DESTRUCT IV DESTRUCT IV DES	DISTRICT I P.O. Box 1960, Hodds	, NM 88241-1	980		Energy,			Mexico	105	Subrit	Fo Revised Februa	
DISTRICT III DISTRICT IV PA BER BERM MART R. MA JERSON BALLANDER, NA JERSON DISTRICT IV PA BER BERM MART R. MA JERSON BALLANDER DISTRICT IV DISTRICT IV DISTRICT IV DISTRICT IV DISTRICT IV DISTRICT IV PA BER BERM MART R. MA JERSON BALLANDER DISTRICT IV DISTRICT IV DISTR	DISTRICT II P.O. Drawer DD, Arte	sia, NM 88211	-0719						101	1	State Lease	- 4 Copies
DISTRICT IV Santa Fe, New Morizo B750 COMPONENT OF ARTESM VELL LOCATION AND ACREAGE DEDICATION OPERATION WELL LOCATION AND ACREAGE DEDICATION OPERATION WELL LOCATION AND ACREAGE DEDICATION OPERATION MARATION OL COMPANY MARATION OL COMPANY 14021 UL or isi Ne. 200012-32543 20021-52 20121-52 20121-52 20121-52 20121-52 24-E 10120 Bottom Hole Location If Different From Surface UL or isi Ne. 20021-52 24-E 10120 Bottom Hole Location If Different From Surface UL or isi Ne. 2012-52 24-E 1012 10125 10125 10125 1013 1012 1013 1017 1012 1017 1017 1017	DISTRICT III 1000 Rio Brazos R	d., Aztec. N	M 87410	OIL		n o	D 0.	DN P	lvisk	REVED	(S)	
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SURVEYOR CERTIFICATION GEODETIC COORDINATES NAD 27 N.M.L. Y=5343320.5 LAT.=32'28'07.92"N LONG.=104'31'00.45"W GEODETIC COORDINATES NAD 27 N.M.L. Y=5343320.5 LAT.=32'28'07.92"N LONG.=104'31'00.45"W GEODETIC COORDINATES NAD 27 N.M.L. Y=5343320.5 LAT.=32'28'07.92"N LONG.=104'31'00.45"W DECEMBER 27, 2002 Date Surveyor NAD 27, 2002 NAD 20, 2002 NAD					-	u#37	-Y BH	L	,	Date		
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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

NONTR

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

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

			0			n Oil Company Summary Report					
Legal Well Common \ Event Nan	Vell Name:		HILLS (HILLS (JNIT N JNIT N	O. 37 "Y'	' <i>+ 37</i> ' Spud Date: 12/19/2002					
Contractor Rig Name:	Name:	MCVAY	DRILLI	NG		Start: 12/13/2002 End: Rig Release: Group: Rig Number: 4					
Date	From - To	Hours	Code	Sub Code	Phase						
12/25/2002	16:00 - 19:00 19:00 - 20:30		WAIT TRIP	CEMT BIT	DRLSUR DRLSUR	Wait on Cement TI w/ DP. Tagged @ 290'. Pumped 700 sks of Premuim Plus w/ 2% CalCl2. FL @ 80'. Did not circ. POOH w/ 3 stds of DP.					
	20:30 - 23:30 23:30 - 00:00		WAIT CEMT	CEMT TJOB	DRLSUR DRLSUR	WOC Tagged cement @ 165'. Pumped 300 sks of Premuin Plus w/ 3% CaCl2. FL @ 50'.					
1	00:00 - 02:30 02:30 - 03:00		WAIT CEMT	CEMT TJOB	DRLSUR DRLSUR	R Wait on Cement					
12/26/2002	03:00 - 06:00 06:00 - 07:00		WAIT CEMT	CEMT	DRLSUR	Wait on Cement. Thawing out HES lines @ 0600 hrs. (Pumped a total of 1150 sks. Top @ 80'. FL @ 50')					
12/20/2002	07:00 - 07:15 07:15 - 10:45 10:45 - 11:00	0.25 3.50	CEMT	PLUG CEMT PLUG	DRLSUR DRLSUR DRLSUR	Pumped 150 sks of Premuim Plus w/ 3% CalC2. Wait on Cement					
12/27/2002	11:00 - 06:00 06:00 - 08:00	19.00	WAIT RIG	OTHR		cellar 3' with cement. RD HES.					
	08:00 - 13:00 13:00 - 18:00	5.00	LOC		RDMO	Installed new cellar.					
	18:00 - 22:00 22:00 - 02:00 02:00 - 02:30	4.00 4.00	WELD DRILL CEMT	AIR AIR OTHR	RDMO RDMO	Drill out mouse hole & started drilling out conductor. Welded on rat hole machine to repair air leak. Finish drilling out conductor & drilling out rat hole. Cemented conductor pipe w/ 5 yards of ready mix.					
12/28/2002	02:30 - 06:00 06:00 - 08:00 08:00 - 08:30	3.50 2.00	WAIT WELD SAFETY	CEMT WLHD	Wait on Cement Cut & weld on 13 5/8" 3M slip on flange to conductor pipe. Held Safety Meeting w/ rig hands & truck drivers.						
	08:30 - 09:00 09:00 - 13:30 13:30 - 20:00		NUND RIG	UFwL SKID MOB	MIRU MIRU MIRU	N/U surface stack on conductor pipe before skidding rig. Skid Rig or Service Unit R/U equipment & rig up rig floor.Weld up flow line & did minor repairs					
	20:00 - 06:00	10.00	WAIT	СЕМТ	DRLCN2	needed. Wait on Cement. Letting cement on conductor heal good before start drilling w/ air.(BHA picked up except for Hammerwhich will be here first					
12/29/2002	06:00 - 08:15 08:15 - 08:45 08:45 - 09:15	0.50	EQUIP		DRLSUR DRLSUR DRLSUR	thing in the morning to spud.) Perform Check of Surface Equipment.Checked compressor. Pick up hammer tool w/ 12 3/8" Hammer bit & made up on BHA. Safety Meeting					
	09:15 - 13:00 13:00 - 13:15 13:15 - 19:30	3.75 0.25	DRILL SURV DRILL	HAMR TOTC	DRLSUR DRLSUR DRLSUR	Spud in w/ 12 3/8" hammer bit @ 09:15AM . Hammer Drill w/ mist. Survey with non-mag TOTCO Tools. Single shot. Hammer Drill					
	19:30 - 20:15 20:15 - 01:15 01:15 - 01:45	0.75 5.00	SURV DRILL EQUIP	TOTC HAMR	DRLSUR DRLSUR DRLSUR	Survey with non-mag TOTCO Tools. Single shot. Hammer Drill. Started getting some fluid for returns. Changed out rotating rubber					
01:45 - 03: 03:15 - 03: 03:30 - 06:0		1.50 0.25	DRILL SURV DRILL	HAMR TOTC	DRLSUR DRLSUR DRLSUR	Hammer Drill Survey with non-mag TOTCO Tools Hammer Drill					
2/30/2002 06: 06:	06:00 - 06:30 06:30 - 07:30 07:30 - 08:30			BHA	DRLSUR DRLSUR DRLSUR	Blow well c w/ air.lean Trip for BHA L/D hammer tool & bit. Picked up used 12 1/4" bit w/ shock tool & 3					
	08:30 - 09:15	0.75			DRLSUR	point reamer. TIH w/ 12 1/4" bit on shock tool w/ 3 point reamer above 8" non-mag collar.					
	09:15 - 09:30	0.25	TRIP	WSHR	DRLSUR	Installed rotating rubber & washed down 35' to btm. No fill.					