State of New Mexico Form C-10								Form C-101				
District I 1625 N. French Dr., Hobbs, NM 88240 Energy, Minerals &					nerals & N	latur	al Resources			May 27, 2004		
District II 1301 W. Grand Av	District II 1301 W. Grand Avenue, Artesia, NM 88210								9	1		
District III	District III Oil Conser								8	ubmit to approp	priate District Office	
1000 Rio Brazos F District IV	1000 Rio Brazos Rd., Aztec, NM 87410 District IV 1220 S. St											
1220 S. St. Franci						anta Fe, N					ENDED REPORT	
APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE							D A ZONE					
		<sup>1</sup> O	perator Name	and Addres	s					<sup>2</sup> OGRID Numbe	er	
Marathon Oil Company							014021					
P.O. Box 3487 Houston, TX.			IX.	77253				30- 025- 36964				
<sup>4</sup> Property Code <b>6399</b>			<sup>5</sup> Property Name						T		ell No.	
		<sup>9</sup> Propose	d Pool 1			Dayton Har	ay		<sup>10</sup> Proposed Pool 2			
	Penro	-	ly Graybu	rg					Proposed Po	0012		
					7	Surface Lo	ocati	on				
UL or lot no.	Section	Township	Range	Lot. I		Feet from the		North/South Line	Feet from the	East/West line	County	
I	20	21-5	37-E			2310 <sup>.</sup>		South	790 <b>'</b>	East	Lea	
		8	Proposed	Botton	n Ho	le Location	n If	Different Fro	m Surface			
UL or lot no.	Section	Township		Lot. I		Feet from the	-	North/South Line	Feet from the	East/West line	County	
					_						county	
					Addi	tional Wel	l Lo	cation				
<sup>11</sup> Work Typ			<sup>12</sup> Well Type (	Code		13 Cable/Rota	ury	<sup>14</sup> Lea	8 29 30 37	<sup>15</sup> Ground L	evel Elevation	
16 Multi			Oil 17 Proposed Depth			R <sup>18</sup> Formation				489 '		
	<b>r</b>		4,500		Grayburg					C 20 Spud Date		
Depth to ground				Distance	from n	earest fresh was	ter we		Distance from neare			
Pit: Liner: Synt	thetic X 12	> 50' MTT					0		<u></u>	67		
		-	s thick C	lay 🛄	Pit V	/olume		151		(2) (2)		
Closed-Lo	op System							ter 🕱 🖓 Brine		l-based	Gas/Air 🗌	
·			2	'Propos	ed C	asing and	Cen	nent Program	CLAINE STUT			
Hole Si	ze	Ca	1			weight/foot Setting Depth				timated TOC		
11"		8	8.625"		24#		400 '		150	surface		
7.875	;n		5.5"		17			4,500'				
						—— <u> </u>		-,500	820		surface	
									· · · · · · · · ·			
<sup>22</sup> Describe the pr	roposed progr	am If this	application		N an I		<u> </u>					
Describe the blowd	out prevention	i program,	if any. Use a	ditional she	ets if n	ecessary.	give t	the data on the pre	sent productive zon	and proposed n	ew productive zone.	
Surface casing: 150 Sks. Class C W/ 2% CACL2, yield 1.34, wt14.8 ppg Date Unless Drilling Underway												
Production	casing: L	ead-550	sks. cla	ISS H 35	/65 J	207. w/ 6% (	ഘീ	5% dal+ 2			g.12.4	
1 1022 4/0 3	no. class	· <b>H</b> , SV/	JU DOZ W/	2% <b>GET</b>	. 5%	Salt25	# ~o	11 1 25	eld, wt. 14.2	ppg.	3	
Mud program: 0-400'fresh water, CIRC pits or reserve, visc 28. 400'-4,500'- Brine water, 10ppg., circ. Reserves, Lime PH9, VISC 29, gel if needed. BOPE-3M, dual rams, rotating head,-installed and tested to OCD rules 109 & 114												
BOPE-3M, CU	al rams,	rotatin	g head,-i	nstalle	i and	l tested to	<u> </u>	D rules 109 a	£ 114			
<sup>23</sup> I hereby certify that the information given above is true and complete to the best of					he best of	OIL CONSERVATION DIVISION						
my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines a general permit , or					1	OIL CONSERVATION DIVISION						
an (attached) alternative OCD-approved plan						Approved by:						
Signature: min wh						Dan group						
Printed name: Mike Mick					<u>Ti</u>							
Title: Adv. Sr. Eng. Tech.					AI	Approval Date: Expiration Date:						
E-mail Address: mfmick@marathcnoil.com							NOV 2 3 2004					
			Phone:				Conditions of Approval:					
11-20-04		713-296-3254				Attached						

DISTRICT I Energy, Minerals and Natural Resources Department 1625 N. FRENCH DR., HORRS, NW 88240 Form C-102 DISTRICT II Revised JUNE 10, 2003 OIL CONSERVATION DIVISION Submit to Appropriate District Office 1301 W. GRAND AVENUE, ARTESIA, NM 88210 1220 SOUTH ST. FRANCIS DR. State Lease - 4 Copies Fee Lease - 3 Copies DISTRICT III Santa Fe, New Mexico 87505 1000 Rio Brazos Rd., Aztec, NM 67410 DISTRICT IV WELL LOCATION AND ACREAGE DEDICATION PLAT 1220 S. ST. FRANCIS DR., SANTA FE, NM 87505 □ AMENDED REPORT **API** Number Pool Code Pool Name 30-025-368 YENER<u>OSE</u> 50350 Grayburg ) Well Number Kelly **Property** Code Property Name 006399 DAYTON HARDY 6 OGRID No. **Operator** Name Elevation MARATHON OIL COMPANY 14021 3489 Surface Location UL or lot No. Range Section Township Lot Idn Feet from the North/South line Feet from the East/West line County 1 20 21 - S37-E 2310 SOUTH 790 EAST LEA 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 **Dedicated** Acres Joint or Infill Consolidation Code Order No. 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 GEODETIC COORDINATES **OPERATOR CERTIFICATION** NAD 27 NME I hereby certify the the information contained herein is true and complete to the Y=534215.2 N best of my knowledge and belief. X=856145.8 E LAT.=32\*27'48.15" N LONG.=103°10'43.12" W mm Signature mike Printed Name (Idu Title Date SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of 790' actual surveys made by me or under my supervison, and that the same is true and correct to the best of my belief. OCTOBER 12, 2004 ۵ Date Surveyed Date Surveyed Signature & Seal of S JR #7 ò 53 17/04 Certificate, No. GABY BIDSON 12641 Man POPESSION

State of New Mexico

SECTION 20, TOWNSHIP 21 SOLEA COUNTY,	OUTH,	RANGE	37		<b>V.M.P.M.,</b> MEXICO	
	600'					
					HUNCH	
0	HARDY #6	5			.	
ELEV.	⊙ : 3489.5'				600	
LAT.=32°,	27`48.15" 3°10`43.12"				t	
I					I	
	<u> </u>					
U	500'					
DIRECTIONS TO LOCATION						
FROM THE INTERSECTION OF ST. HWY. <b>#8</b> AND CO. RD. <b>#</b> E33 (N. TURNER RD.) GO NORTH ON N. TURNER RD. FOR APPROX. 1.5 MILES TO A	100 E E			100	200 Feet	
CALICHE ROAD ON THE LEFT. TURN LEFT (WEST) AND GO APPROX. 0.1 MILES. PROPOSED LOCATION	Scale: 1"=100'					
IS APPROX. 100' NORTH.	<u>`</u>		··		PANY	
PROVIDING SURVEYING SERVICES SINCE 1946 I OHNI WEST SUBVEYING COMBANY	DAYTON HARDY #6 WELL LOCATED 2310 FEET FROM THE SOUTH LINE AND 790 FEET FROM THE EAST LINE OF SECTION 20, TOWNSHIP 21 SOUTH, RANGE 37 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO.					
JOHN WEST SURVEYING COMPANY 412 N. DAL PASO HOBBS, N.M. 88240	Survey Dat			heet 1 of		
(505) 393-3117		ber: 04.11.1337 6/04 Disk: Cl		y: J.R. 04111337	Rev 1:N/A Scale:1"=100'	

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VICINITY MAP



SCALE: 1'' = 2 MILES

SEC. <u>20</u> TWP.<u>21-S</u> RGE. <u>37-E</u> SURVEY <u>N.M.P.M.</u> COUNTY <u>LEA</u> DESCRIPTION <u>2310' FSL & 790' FEL</u> ELEVATION <u>3489'</u> MARATHON OPERATOR <u>OIL COMPANY</u> LEASE <u>DAYTON HARDY</u>



## LOCATION VERIFICATION MAP



EUNICE, N.M.

## DRILLING CONTROL





## DRILLING CONTROL

## MATERIAL LIST - CONDITION II - B

Wellhead

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1 1

- 30000 W.P. drilling spool with a 2" minimum flanged outlet for kill line and 3" minimum flanged outlet for choke line.
- 30000 W.P. Dual ram type preventer, hydraulic operated with 1" staal, 30000 W.P. control lines (where substructure height is adequate, 2 - 30000 W.P. single ram type proventers may be utilized).
- Rotating Mead with fill up outlet and extended Blooie Line.
- 1,3,4, 2" minimum 3000f W.P. flanged full opening steel gate 7,8, valve, or Helliburton Lo Torc Plug valve.
  - 2" minimum J0005 W.P. back pressure valve.
- 5,6,9 3" minimum 3000# W.P. flanged full opening steel gate valve, or Halliburton Lo Torc Plug valve.
- 12 3" minimum schedule 80, Grade "B", seamless line pipe.
- 13 2" minimum x 3" minimum 30008 W.P. flanged cross.
- 10,11 2° minimum 3000# W.P. adjustable choke bodies.
- 14 Cameron Hud Gauge or equivalent ( location optional in croke line).
- 15 2" minimum 3000f W.P. flanged or threaded full opening steel gate valve, or Halliburton Lo Torc Plug valve.

District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

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State of New Mexico **Energy Minerals and Natural Resources** 

> Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Form C-144 March 12, 2004 For drilling and production facilities, submit to appropriate NMOCD District Office. For downstream facilities, submit to Santa Fe office

Pit or Below-Grade Tank Registration or Closure						
Is pit or below-grade tan Type of action: Registration of a pit of	k covered by a "general plan"? Yes Nor below-grade tank Closure of a pit or below-gr	o 🔀 rade tank 🗖				
Operator:Marathon Oil CoTelephone:	_713-296-3254-mail address:mfmick@marat	:honoil.co				
Address:P.O. Box 3487 Houston, Tx. 77253 Facility or well name: _Dayton Hardy #6API #: 30-025-369	64					
County IFA Latitude	U/L or Qtr/Qtr_NESE_Sec_20_T_21S_R_37E_	-				
County:LEALatitudeLongitude	NAD: 1927 🗋 1983 🗋 Surface	Owner Federal 🗌 State 🗌 Private 🛛 Indian 🗍				
Pit	Below-grade tank					
Type: Drilling 🛛 Production 🗌 Disposal 🗍	Volume:bbl Type of fluid:					
Workover 🔲 Emergency 🔲	Construction material:					
Lined 🛛 Unlined 🗌	Double-walled, with leak detection? Yes 🔲 If n	—				
Liner type: Synthetic $\square$ Thickness 12_mil Clay $\square$ Volume _2000_bbl ZD_m14_CAP						
Depth to ground water (vertical distance from bottom of pit to seasonal high	Less than 50 feet	(20 points)				
water elevation of ground water.)	50 feet or more, but less than 100 feet	(10 points)				
	100 feet or more X	( 0 points)				
Wellhead protection area: (Less than 200 feet from a private domestic	Yes	(20 points)				
water source, or less than 1000 feet from all other water sources.)	No X	( 0 points)				
	Less than 200 feet	(20 points)				
Distance to surface water: (horizontal distance to all wetlands, playas,	200 feet or more, but less than 1000 feet	(10 points)				
irrigation canals, ditches, and perennial and ephemeral watercourses.)	1000 feet or more X	( 0 points)				
	Ranking Score (Total Points)					
If this is a pit closure: (1) attach a diagram of the facility showing the pit's	relationship to other equipment and tanks (2) India					
onsite 🛛 offsite 🗌 If offsite, name of facility	(3) Attach a general description of romatical and	are unsposar location:				
date. (4) Groundwater encountered: No 🗌 Yes 🔲 If yes, show depth below	ground surface	non taken including remediation start date and end				
diagram of sample locations and excavations.	w ground surfaceIt. and attach samp	le results. (5) Attach soil sample results and a				
I hereby certify that the information above is true and complete to the best of n been/will be constructed or closed according to NMOCD guidelines $\square$ , a Date: 11-20-04	ny knowledge and belief. I further certify that the general permit [], or an (attached) alternative O	above-described pit or below-grade tank has CD-approved plan .				
Printed Name/TitleMike Mick- Adv. Sr. Eng. TechS	ignature M7M wh					
Your certification and NMOCD approval of this application/closure does not r otherwise endanger public health or the environment. Nor does it relieve the o regulations.	elieve the operator of lickilian through the	f the pit or tank contaminate ground water or other federal, state, or local laws and/or				
Approval:						
Date:						
Printed Name/TitleETROLEUM ENGINEER	Signature and seller					
NOV 2 3 2004						
INDA C O COUR						



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