

State of New Mexico
Energy, Minerals & Natural Resources

Form C-101
May 27, 2004

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

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

Submit to appropriate District Office

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address Marathon Oil Company P.O. Box 3487 Houston, TX 77253-3487		² OGRID Number 14021
		³ API Number 30- 025-06689
⁴ Property Code 006399	⁵ Property Name Dayton Hardy	⁶ Well No. 3
⁹ Proposed Pool 1 Paddock (49210)		¹⁰ Proposed Pool 2

⁷ Surface Location

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
j	20	21-s	37-e		1980'	South	1980'	East	Lea

⁸ Proposed 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

Additional Well Location

¹¹ Work Type Code A	¹² Well Type Code O	¹³ Cable/Rotary	¹⁴ Lease Type Code P	¹⁵ Ground Level Elevation 3494'
¹⁶ Multiple N	¹⁷ Proposed Depth 5100 - 5300	¹⁸ Formation Paddock	¹⁹ Contractor	²⁰ Spud Date 02/05/1948
Depth to ground water		Distance from nearest fresh water well		Distance from nearest surface water
Pit: Liner: Synthetic <input type="checkbox"/> _____ mils thick Clay <input type="checkbox"/> Pit Volume _____ bbls Drilling Method: No Pit Closed-Loop System <input type="checkbox"/> Fresh Water <input type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17"	13 3/8"	48#	299'	250	surface
11"	8 5/8"	32#	2787'	1200	surface
7 3/8"	5 1/2"	17#	6622'	750	1900' CBL
4 3/4"	Open Hole		6677'		

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Marathon Oil Company is proposing to add the Paddock formation to the Dayton Hardy No. 3. This well is currently a downhole commingled Blinbry / Drinkard producer. Marathon plans isolate the Blinbry & Drinkard formations below a CIBP before adding the Paddock formation. After the initial pressure subsides and production rates have been established for the Paddock, Marathon will file for a permit to downhole commingle all three pools in the well.

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines ☐ a general permit ☐, or an (attached) alternative OCD-approved plan ☐.
Signature: *Charles E. Kendrix*

Printed name: **Charles E. Kendrix**

Title: **Engineering Technician**

E-mail Address: **cekendrix@marathonoil.com**

Date: **01/13/2006**

Phone: **713-296-2096**

OIL CONSERVATION DIVISION

Approved by:

Chris Williams

Title:

OC DISTRICT SUPERVISOR/GENERAL MANAGER

Approval Date:

Expiration Date:

CONDITIONS OF APPROVAL: Approval for Drilling ---
CANNOT produce Downhole commingled until DHC
is approved according to R-11363 by the OCD
District office.

