

Submit 3 Copies To Appropriate District  
Office  
District I  
1625 N. French Dr., Hobbs, NM 87240  
District II  
1301 W. Grand Ave., Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
May 27, 2004

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

WELL API NO. <b>30-025-25481</b>
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name: <b>Mark Owen</b>
8. Well Number <b>8</b>
9. OGRID Number <b>14021</b>
10. Pool name or Wildcat <b>Tubb / Wantz GW/ Wantz Abo</b>

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
**GL 3373'**

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type \_\_\_\_\_ Depth to Groundwater \_\_\_\_\_ Distance from nearest fresh water well \_\_\_\_\_ Distance from nearest surface water \_\_\_\_\_

Pit Liner Thickness: \_\_\_\_\_ mil Below-Grade Tank: Volume \_\_\_\_\_ bbls; Construction Material \_\_\_\_\_

**SUNDRY NOTICES AND REPORTS ON WELLS**  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:  
Oil Well ☐ Gas Well ☐ Other **DHC**

2. Name of Operator  
**Marathon Oil Company**

3. Address of Operator  
**P.O. Box 3487 Houston, TX 77253-3487**

4. Well Location  
Unit Letter **M** : **760** feet from the **South** line and **760** feet from the **West** line  
Section **35** Township **21-S** Range **37-E** NMPM County **Lea**

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
**GL 3373'**

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type \_\_\_\_\_ Depth to Groundwater \_\_\_\_\_ Distance from nearest fresh water well \_\_\_\_\_ Distance from nearest surface water \_\_\_\_\_

Pit Liner Thickness: \_\_\_\_\_ mil Below-Grade Tank: Volume \_\_\_\_\_ bbls; Construction Material \_\_\_\_\_

12. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐ MULTIPLE COMPLETION ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐  
CASING TEST AND CEMENT JOB ☐

OTHER: **Change DHC Percentages** ☒

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

**R-11363**

**HOB** Marathon Oil is requesting a change to the production percentages assigned to downhole commingle permit - **DHC Order NO. 0074**. The original percentages submitted for this well were wrong. Please see attached worksheet with new percentages. Well tests supporting the percentages are also attached to this report. The error on the percentages were found when well tests for the Tubb (86440) gas pool were found to be out of range for the gas oil ratio. Oil volumes continue to decline and gas rates rise as the well is being pumped back down after shut in of the Wantz Granite Wash and Wantz Abo for testing of the initial completion on the Tubb.

**DHC Order No. HOB-0074A**

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐ , a general permit ☐ or an (attached) alternative OCD-approved plan ☐

SIGNATURE **Charles E. Kendrick** TITLE **Engineering Technician** DATE **02/08/2005**

Type or print name **Charles E. Kendrick**

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

Telephone No. **713-296-2096**

For State Use Only

APPROVED BY **[Signature]** TITLE **PETROLEUM ENGINEER** DATE **MAR 07 2005**

Conditions of Approval, if any:

### Mark Owen No. 8 Downhole Commingle Worksheet.

Percentages are based on last six tests for the DHC well in the Wantz Granite Wash & Wantz Abo; the last five tests for the Tubb only completion. Average Daily Volumes for the downhole commingled Wantz Granite Wash & Wantz Abo were determined using the DHC percentages assigned to those two pools from the original DHC permit. Those percentages are listed in the table at the bottom of this page. Oil volumes were continuing to decline and gas volume rising through February 2005.

	Avg. Daily Oil	Oil Percentage	Avg. Daily Gas	Gas Percentage	Avg. Daily Water	Water Percentage
Tubb (86440)	5.40	49%	625	89%	6.60	83%
Wantz Granite Wash	4.35	40%	14	2%	1.03	13%
Wantz Abo	1.23	11%	65	9%	0.30	4%
Total Daily Oil	10.98		704		7.93	

Original DHC Percentages			
	Oil	Gas	Water
Wantz Granite Wash	78%	18%	78%
Wantz Abo	22%	82%	22%

**WellTest History** Mark Owen No. 8  
Select By : Completions (Tubb only)

Friday, July 09, 2004 Through Sunday, October 31, 2004

Page No : 1

Report Number : R\_012

Print Date : 2/9/2005, 7:09:19 AM

**Select By : Completions**

Mark Owen No. 8  
Wantz Granite Wash  
Wantz Abo DHC

**Pressure Base : None**

Units : A.P.I.

**Rounded (y/n) : No**

Page No : 1

**Report Number : R\_012**

**Print Date** : 2/9/2005, 7:14:58 AM

**Sort By** : None selected in Report Options.

Original DHC percentages	Wantz Granite wash	Oil 78%	Gas 18%	Water 78%
	Wantz Abo	22%	82%	22%