

PNRM0402137156

C-103 Received 1-13-2004  
DHC No. Assigned 1-21-2004

	Order Number	API Number	Operator	County	
	HOB-0072	30- 025-07037	Marathon Oil Company	Lea	
	Order Date	Well Name	Number	Location	
		Mark Owen	001	L UL	35 Sec
				21S T (+Dir)	37E R (+Dir)
			Oil %	Gas %	
Pool 1	86440	Tubb Oil+ Gas (Pro Gas)	20%	60%	
Pool 2	19190	Drinkard	80%	40%	
Pool 3					
Pool 4					
Comments: Work completed effective _____ Work cancelled effective _____ Supplement _____					

1-21-2004

Posted

RBBML

⑤

(Gas Well)

DOWNHOLE COMMINGLE CALCULATIONS:

30-025-07037

OPERATOR: Marathon Oil Company

HOB-0072

PROPERTY NAME: Mark Owen

WNULSTR: 1-L, 35-21-37

86440 SECTION I: Tubb Oil & Gas (Pro Gas) ALLOWABLE AMOUNT  
POOL NO. 1 999 9999 MCF 99999

19190 POOL NO. 2 Drinkard (6-7) 142 852 MCF 6000

POOL NO. 3 \_\_\_\_\_ MCF

POOL NO. 4 \_\_\_\_\_ MCF

POOL TOTALS 142 852

GTUB50000 SECTION II: Tubb Oil & Gas (Pro Gas) Oil Gas  
POOL NO. 1 20% 60%

ADRI30000 POOL NO. 2 Drinkard 80% 40%

POOL NO. 3 \_\_\_\_\_

POOL NO. 4 \_\_\_\_\_

OIL

GAS

SECTION III:

$142 \div 80\% = 177.50 (178)$

SECTION IV:

$178 \times 20\% = 35.60 (36)$

$178 \times 80\% = 142.40 (142)$

Submit 3 Copies To Appropriate District Office  
District I  
1625 N. French Dr., Hobbs, NM 88240  
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  
Revised June 10, 2003

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

WELL API NO. 30-025- <del>03037</del> 07037
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 Mark Owen
8. Well Number #1
9. OGRID Number
10. Pool name or Wildcat Tubb & Drinkard

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

2. Name of Operator  
Marathon Oil Company

3. Address of Operator  
P.O. Box 552 Midland, TX 79702

4. Well Location

Unit Letter L : 1,980' feet from the South line and 660' feet from the West line

Section 35 Township 21S Range 37E NMPM Lea County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
3,393' - KB

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: Downhole Commingle ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER: ☐

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.

Marathon Oil Company requests authorization to downhole commingle the Tubb & Drinkard pools in the Mark Owen 1.

The scope of the proposed workover is to drill out bridge plugs to reactivate the temporarily abandoned Drinkard zone and place well on rod pump

Please find attached a wellbore diagram and production plots for all zones.



DHC Order No. HOB-0072

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Brent Lockhart TITLE Engineer DATE 1/6/04

Type or print name Brent Lockhart E-mail address: BDLockhart@MarathonOil.com Telephone No. 713 296 2224

(This space for State use)

APPROVED BY [Signature] TITLE PETROLEUM ENGINEER

Conditions of approval, if any:

1-21-2004

**Mark Owen Well No. 1  
DHC Attachment**

- i) Pre-approved pool status was established by Division Order R-11363
- ii) Tubb (86440) & Drinkard (19190)
- iii) Tubb (5,906' – 6,234') & Drinkard (6,307' – 6,550')
- iv) Tubb (60% gas & 20% oil) & Drinkard (40% gas & 80% oil). Supported from tests prior to temporary abandonment.
- v) The proposed commingling will not reduce the value of the total remaining production
- vi) The ownership and percentages are identical for the zones.