

PNRM0403448619

C-103 Received 1-29-2004
DHC No. Assigned 2-3-2004

	Order Number	API Number	Operator	County	
	HOB-0074	30-025-25481	Marathon Oil Company	Lea	
	Order Date	Well Name	Number	Location	
		Mark Owen	008	M UL	35 Sec
				21S T (+Dir)	37E R (+Dir)
			Oil %	Gas %	
Pool 1	86440	Tubb Oil & Gas (Pro Gas)	75%	75%	
Pool 2	62700	Wantz Abo	5%	20%	
Pool 3	62730	Wantz Granite Wash	20%	5%	
Pool 4					
Comments: Work completed effective _____ Work cancelled effective _____ Supplement _____					

2-3-2004
Posted
RBDMS

B

DHC-765 (Wantz Abo and Wantz Granite Wash)

DOWNHOLE COMMINGLE CALCULATIONS:

30-025-25481

OPERATOR: Marathon Oil Company

HOB-0074
(Gas Well)

PROPERTY NAME: Mark Owen

WNULSTR: 8-M, 35-21-37

86440	SECTION I:	ALLOWABLE AMOUNT		
	POOL NO. 1	<u>Tubb Oil+Gas (ProGas)</u>	<u>999</u>	<u>9999 MCF 99999</u>
62700	POOL NO. 2	<u>Wantz Abo</u>	<u>187</u>	<u>1122 MCF 6000</u>
62730	POOL NO. 3	<u>Wantz Granite Wash</u>	<u>187</u>	<u>374 MCF 2000</u>
	POOL NO. 4			MCF
	POOL TOTALS		<u>374</u>	<u>1496</u>

SECTION II:

POOL NO. 1 Tubb Oil+Gas (Pro Gas)

Oil Gas
75% $\times 374 = 280.50$ 75%

POOL NO. 2 Wantz Abo

5% 20%

POOL NO. 3 Wantz Granite Wash

20% 5%

POOL NO. 4

OIL

GAS

SECTION III:

$187 \div 75\% = 249.34 (250)$

SECTION IV:

$250 \times 75\% = 187.50 (188)$
 $250 \times 5\% = 12.50 (12)$
 $250 \times 20\% = 50.00 (50)$

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. 30-025-25481
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No. <input checked="" type="checkbox"/>
7. Lease Name or Unit Agreement Name Mark Owen
8. Well Number #8
9. OGRID Number 014021
10. Pool name or Wildcat Tubb, Abo, & Granite Wash

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 M: 760' feet from the South line and 760' feet from the West line
Section 35 Township 21S Range 37E NMPM Lea County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3,373' - GL

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 ☐

SUBSEQUENT REPORT OF:

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

OTHER: Recomplete and Downhole Commingle ☒

OTHER: ☐

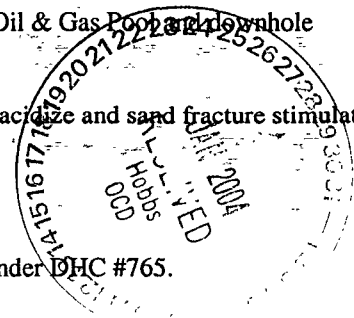
13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Marathon Oil Company requests authorization to recomplete the Mark Owen #8 to the Tubb Oil & Gas Pool and downhole commingle with the existing Wantz (Granite Wash) & Wantz (Abo) pools

The scope of the proposed workover is to selectively perforate the Tubb from 5,880 to 6,170, acidize and sand fracture stimulate and downhole commingle with the existing Wantz (Granite Wash) & Wantz (Abo) pools.

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

Prior approval to commingle the Wantz (Granite Wash) & Wantz (Abo) pools is authorized under DHC #765.



DHC Order No. 0074

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 1/23/04

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

his space for State use)

PETROLEUM ENGINEER

APPROVED BY [Signature] TITLE State Engineer DATE FEB 3 2004
Conditions of approval, if any:

**Mark Owen Well No. 8
DHC Attachment**

- i) Pre-approved pool status was established by Division Order R-11363
- ii) Tubb Oil & Gas (86440), Wantz-Abo (62700) & Wantz-Granite Wash (62730)
- iii) Tubb Oil & Gas, (5,880' – 6,170'), Wantz-Abo (6,524' – 7,068') & Wantz-Granite Wash (7,156' – 7,487')
- iv) Tubb Oil & Gas, (75% gas & 75% oil) Wantz-Abo (20% gas & 5% oil) & Wantz-Granite Wash (5% gas & 20% 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