

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 35 21S 37E UL Sec T (+Dir) R (+Dir)	
	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 

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

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

SECTION II:	Oil	Gas
POOL NO. 1 <u>Tubb Oil+Gas (Pro Gas)</u>	<u>75%</u> X <u>374</u> = <u>280.50</u>	<u>75%</u>
POOL NO. 2 <u>Wantz Abo</u>	<u>5%</u>	<u>20%</u>
POOL NO. 3 <u>Wantz Granite Wash</u>	<u>20%</u>	<u>5%</u>
POOL NO. 4 _____		

	<u>OIL</u>	<u>GAS</u>
SECTION III:	<u>187 ÷ 75% = 249.34 (250)</u>	_____
SECTION IV:	<u>250 X 75% = 187.50 (188)</u>	_____
	<u>250 X 5% = 12.50 (12)</u>	_____
	<u>250 X 20% = 50.00 (50)</u>	_____

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

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

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
FULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPLETION <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	
OTHER: Recomplete and Downhole Commingle <input checked="" type="checkbox"/>		OTHER: <input type="checkbox"/>	

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 B. 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 _____ 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