

pNRM0432949951

C-103 Received 9-20-2004
DHC No. Assigned 11-24-2004

	Order Number	API Number	Operator	County	
	HOB-0100	30-025-25304	Marathon Oil Company	Lea	
	Order Date	Well Name	Number	Location	
		Lou Worthan	015	G UL	11 Sec
				22S T (+Dir)	37E R (+Dir)
			Oil %	Gas %	
Pool 1	86440	Tubb Oil & Gas (Pro Gas)	100%	69%	
Pool 2	19190	Drinkard	0%	24%	
Pool 3	62700	Wantz Abo	0%	7%	
Pool 4					
Comments: Work completed effective _____ Work cancelled effective _____ Supplement _____					

11-20-2004
Posted to
RBDMA

3

DOWNHOLE COMMINGLE CALCULATIONS:

30-025-25304

OPERATOR: Marathon Oil Company

HOB- 0100

PROPERTY NAME: Lou Worthan

WNULSTR: 15-G, 11-22-37

	SECTION I:		ALLOWABLE AMOUNT	
86440	POOL NO. 1	<u>Tubb Oil & Gas (Pro Gas)</u>	<u>999</u>	<u>99999</u> MCF <u>9999</u>
19190	POOL NO. 2	<u>Drinkard</u>	<u>142</u>	<u>852</u> MCF <u>6000</u>
62700	POOL NO. 3	<u>Wantz Abo</u>	<u>187</u>	<u>1122</u> MCF <u>6000</u>
	POOL NO. 4			
		POOL TOTALS	<u>329</u>	<u>1974</u> MCF

	SECTION II:		Oil	Gas
	POOL NO. 1	<u>Tubb Oil & Gas (Pro Gas)</u>	100% X 329 = 329	69%
	POOL NO. 2	<u>Drinkard</u>	0%	24%
	POOL NO. 3	<u>Wantz Abo</u>	0%	7%
	POOL NO. 4			

	<u>OIL</u>	<u>GAS</u>
SECTION III:		
SECTION IV:		

Submit 3 Copies To Appropriate District
Office
District I
1625 N. French Dr., Hobbs, NM 87240
District II
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. 30-025-25304
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: Lou Worthan
8. Well Number 15
9. OGRID Number 14021
10. Pool name or Wildcat Wantz Abo/ Drinkard/ Tubb

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 <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other	7. Lease Name or Unit Agreement Name: Lou Worthan
2. Name of Operator Marathon Oil Company	8. Well Number 15
3. Address of Operator P.O. Box 3487, Houston Texas 77253-3487	9. OGRID Number 14021
4. Well Location Unit Letter G : 1980 feet from the North line and 1860 feet from the East line Section 11 Township 22-S Range 37-E NMPM County Lea	10. Pool name or Wildcat Wantz Abo/ Drinkard/ Tubb
11. Elevation (Show whether DR, RKB, RT, GR, etc.) GR 3353'	
Pit or Below-grade Tank Application <input type="checkbox"/> or Closure <input type="checkbox"/> 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 _____	

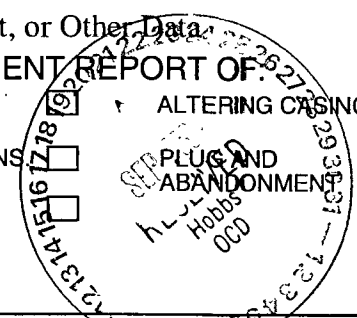
12. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPLETION <input type="checkbox"/>
OTHER: Downhole Commingle <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
COMMENCE DRILLING OPNS <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
CASING TEST AND CEMENT JOB <input 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 requests permission to downhole commingle the Lou Worthan No. 15. This well is currently completed to the Tubb (86440). Prior to the Tubb recompletion, the well was downhole commingled in the Wantz Abo and Drinkard zones. Marathon wishes to pull the CIBP isolating those two zones from the Tubb and produce the three zones as a downhole commingled wellbore. Please see the attachments for details of the wells production and wellbore diagrams.

DHC Order No. **HOB-0100**

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 07/07/2004
E-mail address: cekendrix@MarathonOil.com
Type or print name Charles E. Kendrick Telephone No. 713-296-2096

For State Use Only

APPROVED BY [Signature] TITLE PETROLEUM ENGINEER DATE NOV 24 2004
Conditions of Approval, if any:

Lou Worthan No. 15
Downhole Commingle Attachment

- i) Pre-approved pool status was established by Division Order R-11363
- ii) Wantz Abo (62700), Drinkard (19190), Tubb Oil & Gas (86440).
- iii) Wantz Abo (6718'-6965'), Drinkard (6194'-6288') Tubb Oil & Gas (5772'-6128)
- iv) Wantz Abo (Oil 0%, Gas 7%, Water, 11%),
Drinkard (Oil 0%, Gas 24%, Water 5%),
Tubb (Oil 100%, Gas 69%, Water 84%)
Rates for the Wantz Abo and Drinkard are based on average daily actual production from January 01 to June 30, 2004. Rates for the Tubb are based on an average of well tests dated 08/05/2004 to 09/01/2004.
- v) The proposed commingling will not reduce the value of the total remaining production.
- vi) The ownership and ownership percentages are identical for the different zones.

Lou Worthan No. 15 Production Rates

	Jan-04			Feb-04			Mar-04			Apr-04			May-04			Jun-04		
Wantz Abo	Oil	Gas	Water	Oil	Gas	Water	Oil	Gas	Water	Oil	Gas	Water	Oil	Gas	Water	Oil	Gas	Water
	0	1524	56	0	1397	37	0	1493	31	0	1587	73	0	1509	30	0	1735	57
Drinkard	Oil	Gas	Water	Oil	Gas	Water	Oil	Gas	Water	Oil	Gas	Water	Oil	Gas	Water	Oil	Gas	Water
	0	5401	27	0	4953	18	0	5293	16	0	5625	36	0	5352	15	0	6153	27

Daily Averages

	Oil	Gas	Water		Oil	Gas	Water		Oil	Gas	Water
Wantz Abo	0	1524	56	Drinkard	0	5401	27	Tubb	27	246	17
	0	1397	37		0	4953	18		22	232	23
	0	1493	31		0	5293	16		34	618	11
	0	1587	73		0	5625	36		24	614	12
	0	1509	30		0	5352	15		20	626	22
	0	1735	57		0	6153	27		19	607	10
									15	561	5
	0	50.52	1.55		0	179.11	0.76		18	530	0
									22.38	504.25	12.5

	Daily Oil	Oil Percent	Daily Gas	Gas Percent	Daily Water	Water Percent
Wantz Abo	0	0%	50.52	7%	1.55	11%
Drinkard	0	0%	179.11	24%	0.76	5%
Tubb	22.38	100%	504.25	69%	12.5	84%
	22.38		733.88		14.81	