PNRM 0508857069

C-103 Received 3-28-2005

DHC No. Assigned 3-29-2005

	Order Number	API Number	Operato	r	Manual manual a		County	
	HOB-0112	30-025-24943	Marathon Oi	L Company			Lea	
	Order Date	Well Name		Number		2000000	Location	
and the state of t		Lou Worth	lah	013		 Sec	225 T (+Dir)	37 <i>E</i> R(+Dir)
				Oil %	Gas		T (*Dil)	K((*Bir))
Pool 1	19190	Drinkard		01.		10%		
Pool 2	62700	Wantz Ab	0	07,		6120		
Pool 3	62730	Wantz Gra	nite Wash	100%.		29%		
Pool 4								
	Comments: Wa	ork completed ork cancelle	effective			<u>(inimalah lijurah sina)</u>		
	ω	ork cancelle	d effective		_			
		applement						

7 00 ml 5 7 0 stepto 5 3-29-2005

	Previously DHC-884			,
	DOWNHOLE COMMINGLE CALCULATIONS:		25-249	
	OPERATOR: Marathon Oil Company	ł	408-0115	Į
	PROPERTY NAME: Lou Worthan	·		
	WNULSTR: 13-C, 11-22-37			
19190	SECTION I: POOL NO. 1 Drinkard	ALLOWA <u>/42</u>	BLE AMOUNT <u>952</u> MCF	6000
62700	POOL NO. 2 Wantz Abo	187	<u> [] 22</u> MCF	6000
62730	POOL NO. 3 Wantz Granite Wash	187	374 MCF	2000
	POOL NO. 4POOL TOTA	ALS <u>5/6</u>	2 <u>348</u> MCF	
	SECTION II:	. Oil		Gas
	SECTION II: Drinkard	01.		10%
	POOL NO. 2 Wantz Abo	020		6120
	POOL NO. 3 Wantz Granite Wash	100% X	5/6= 5/6	29%
	POOL NO. 4			
	OIL SECTION III: 142+ 1067 = 142	GAS		-
	SECTION IV: 142 X 07, = 0 142 X 07, = 0 142 X 100 = 142			- -

1

_

Submit 3 Copies To Appropriate District	State of New M	exico	Form C-103
Office	Energy, Minerals and Natu	ral Resources	May 27, 2004
District I 1625 N. French Dr., Hobbs NM 87240			WELL API NO.
Discontinuity	OIL CONSERVATIO	N DIVISION	30-025-24943
13 Grand Ave., Artesia, NM 88210	1220 South St. Fr	· ·	5. Indicate Type of Lease
Dishet III 1000 Rio Brazos Rd., Aztec, NM 87410	Santa Fe, NM 8		STATE FEE 🔀
District IV	Santa Pe, INIVI 8	37303	
1220 S. St. Francis Dr., Santa Fe, NM 87505			6. State Oil & Gas Lease No.
SUNDRY NOTICE	S AND REPORTS ON WE	LLS	7. Lease Name or Unit Agreement Name:
(DO NOT USE THIS FORM FOR PROPOSITION OF THE PROPOSALS.)	SALS TO DRILL OR TO DEEPEN	OR PLUG BACK TO A	Lou Worthan
1. Type of Well:			8. Well Number
Oil Well Gas Well	Other DHC		13
2. Name of Operator	Other Law		9. OGRID Number
Marathon Oil Company			14021
3. Address of Operator			10. Pool name or Wildcat
P.O. Box 3487 Houston, TX	77253-3487		Drnk/ Wantz Granite Wash/ Wantz Abo
4. Well Location	-		
Unit Letter:	330 feet from the No	rth line and	2080 feet from the West line
	icet nom the	mio una	icot nom thom
Section 11	Township 22S	Range 37E	NMPM County Lea
	11. Elevation (Show whether		c.)
		62' GL	
Pit or Below-grade Tank Application			5700
Pit type Depth to Groundwater _			10.7
Pit Liner Thickness: mil	Below-Grade Tank: Volume	bbls; Construction	on Material
12. Check Ap	ppropriate Box to Indicate		Report, or Other Data SEQUENT REPORT OF:
PERFORM REMEDIAL WORK	PLUG AND ABANDON	REMEDIAL WORK	ALTERING CASING
TEMPORARILY ABANDON	CHANGE PLANS	COMMENCE DRILLI	NG OPNS. ABANDONMENT
PULL OR ALTER CASING L	MULTIPLE LJ COMPLETION	CASING TEST AND CEMENT JOB	
OTHER: Downhole Commingle three	e pools X	OTHER:	
			e pertinent dates, including estimated date wellbore diagram of proposed completion
Worthan No. 13. This well	was originally permitted	to produce out of	to the existing DEC 884 for the Lou the Drinkard, Wantz Granite Wash, to include only the Drinkard and
	-	-	on these two zones has now declined
-			d also like to amend the percentage
	-		e last four months of production for
each pool Please see the at			
	HOB-0112	TOTALION FOR GEORIE	.a.•
			and belief. I further certify that any pit or below- or an (attached) alternative OCD-approved plan
SIGNATURE Charles E. Ke	nding TIT	TE Engineering	Technician DATE 03/23/2005
			kendrik@maratbonoil.com
Type or print name Charles E. Kenz		imi addices, Cel	Telephone No. 713-296-2096
For State Use Only	?>/	PETROLEUM ENG	- · · · · · · · · · · · · · · · · · · ·
		* PF 1 1 FCAL ALASAWA GESTISTA	
APPROVED BY	TIT	LTE EAST FINE	DATE DATE

Marathon Oil Company Lou Worthan No. 13 Request Exception to Rule 303 Downhole Commingle

19.15.5 .303.C(3)b

(i) NMOCD Rule establishing commingle of pools R-11363

R-11363 established pre-approved downhole commingle of the Drinkard / Wantz Granite Wash, Drinkard / Wantz Abo, & Wantz Granite Wash / Wantz Abo pools

(ii) List of Pools to be Surface Commingled

Drinkard (19190) Wantz Abo (62700) Wantz Granite Wash (62730)

(iii) Perforated Intervals

Drinkard (19190) 6244' – 6339' Wantz Abo (62700) 6565' – 7070' Wantz Granite Wash (62730) 7115' – 7211'

(iv) Method of Allocation - Well Test

The Lou Worthan No. 13 will be allocated daily production volumes based on well test. The daily production volumes for the Lou Worthan No. 13 will then be allocated to each production pool in the Lou Worthan No. 13 based on percentages established from the last four months of continuous production from the each pool.

4 14	Oil	Gas	Water
Drinkard (19190)	0%	10%	0%
Wantz Abo (62700)	0%	61%	0%
Wantz Granite Wash (62730)	100%	29%	100%

Please see attached spreadsheet for production volume details to support allocation percentages.

(v) Value of Remaining Production:

The downhole commingling of production from these pools will not reduce the value of the remaining production in this well.

(vi) Ownership Interests:

The owner interest in all pools to be commingled is identical for the Lou Worthan No. 13 well, therefore no notification was sent to interest owners.

(vii) Notification to SLO and BLM:

The Lou Worthan is a fee lease therefore no notice to the BLM or State Lands Office is required for this well to be downhole commingled.

LOU WORTHAN NO. 13 DHC AMENDMENT REQUEST

Production for the last four active months by Pool

	•	Jan-05	Dec-04	Nov-04	Oct-04 I	Daily Avg.
Drinkard (19190)	Oil (bbls)	0	0	0	0	0
, ,	Gas (mcf)	1261	1316	1344	1424	43
Wantz Abo (62700)	Oil (bbls)	0	0	0	0	0
	Gas (mcf)	7747	8085	8254	8746	267
		Dec-96	Nov-96	Oct-96	Sep-96	
Wantz Granite Wash (62730)	Oil (bbls)	0	116	26	26	1
	Gas (mcf)	4195	3874	3671	6417	126
DHC Percentages	Oil %	Gas %				
Drinkard (19190)	0%	10%				
Wantz Abo (62700)	0%	61%				
Wantz Granite Wash (62730)	100%	29%				

STATE OF NEW MEXICO



ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION



BRUCE KING

ANITA LOCKWOOD CABINET SECRETARY

POST OFFICE BOX 2088 STATE LAND OFFICE BUILDING SANTA FEINEW MEXICO 87504 (505) 927-5800

CORRECTED ADMINISTRATIVE ORDER DHC-884

Marathon Oil Company P.O. Box 552 Midland, TX 79702

Attention: Brent D. Lockhart

Lou Worthan No. 13 Unit C, Section 11, Township 22 South, Range 37 East, NMPM, Lea County, New Mexico. Drinkard and Wantz Granite Wash Pools

Dear Mr. Lockhart:

Reference is made to your recent application for an exception to Rule 303-A of the Division Rules and Regulations to permit the subject well to commingle production from both pools in the wellbore.

It appearing that the subject well qualifies for approval for such exception pursuant to the provisions of Rule 303-C, and that reservoir damage or waste will not result from such downhole commingling, and correlative rights will not be violated thereby, you are hereby authorized to commingle the production as described above and any Division Order which authorized the dual completion and required separation of the two zones is hereby placed in abeyance.

In accordance with the provisions of Rule 303-C-4., total commingled oil production from the subject well shall not exceed 40 barrels per day, and total water production shall not exceed 80 barrels per day. The maximum amount of gas which may be produced daily from the well shall be determined by multiplying 2000 by the top unit allowable for the Wantz Granite Wash Pool.

Assignment of allowable to the well and allocation of production from the well shall be on the following basis:

Drinkard Pool	Oil	0%	Gas	25%
Wantz Granite Wash Pool	Oil	100%	Gas	75%

In accordance with the provisions of Rule 303-C, the supervisor of the Hobbs District Office of the Oil Conservation Division shall determine the proper allocation of production from the subject well following its completion.

FURTHER: The operator shall notify the Hobbs District Office of the Division upon implementation of the commingling process.

Pursuant to Rule 303-C-5, the commingling authority granted by the order may be rescinded by the Division Director if, in his opinion, conservation is not being best served by such commingling.

Approved at Santa Fe, New Mexico on this 30th day of April, 1993.

STATE OF NEW MEXICO OIL CONSERVATION DIVISION

WILLIAM J. LEMAY

Director

SEAL

WJL/BES/amg

cc: Oil Conservation Division - Hobbs

NEW ! ICO OIL CONSERVATION COMMISSION WELL LUCATION AND ACREAGE DEDICATION PL. .

Form C-172 Supersedes C-128 Effective .-1-85

All distances must be from the outer boundaries of the Se tion ٠,٠ Lou Wortham 13 Marathon Oil Company L Brie 22 South 37 East Lea C 330 North 2080 West Wantz Granite Wash 40 Granite Wash 3362.2 acreage dedicated to the subject well by colored pencil or has ture marks on the plat below. y it is than increase as dedicated to the well, outline each and identify the ownership thereof (both as to working in east and resolts o 4. If the than one least of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc? If answer is "ves." type of consolidation If answer is "no" list the owners and tract descriptions which have actually been consolidated. (I se reverse side of this form if necessary 1_ No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, faced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commis-CERTIFICATION Marathon 2080 ~ I hereby certify that the information conis true and complete to the Dedicated Acreage M. L. Johnston Petroleum Engineer ** * * * *** Marathon Oil Company January 1, 1975 Lou Worthan December 19, 1974

State of New Mexico Energy, Minerals & Natural Resources

Form C-102 Revised June 10, 2003

1625 N. French Dr., Hobbs, NM 88240 District II J. Grand Avenue, Artesia, NM 88210

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

Submit to Appropriate District Office State Lease - 4 Copies

Fee Lease - 3 Copies

1000 Rio Brazos Rd., Aztec, NM 87410 District IV AMENDED REPORT 1220 S. St. Francis Dr., Santa Fe, NM 87505 WELL LOCATION AND ACREAGE DEDICATION PLAT ² Pool Code Pool Name ¹ API Number 19190 Drinkard 30-025-24943 6 Well Number ⁴ Property Code ⁵ Property Name Lou Wortham 13 006488 Elevation ⁸ Operator Name 7OGRID No. Marathon Oil Company 3362' 01363 ¹⁰Surface Location Lot. Idn Peet from the North/South line Feet from the East/West line County UL or lot no. Section Township Range 2080 330 North West 11 22-S 37-E Lea C 11 Bottom Hole Location If Different From Surface Feet from the North/South line Section Township Range Lot. Idn Feet from the East/West line County UL or lot no. 12 Dedicated Acres 13 Joint or Infill 14 Consolidation Code 15 Order No. 40 sqq_{OH} NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOCIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION? OPERATOR CERTIFICATION ereby certify that the information contained herein is true and complete to the best of my knowledge and 2080' Charles E. Kendrix Printed Name Engineering Technician cekendrix@marathonoil.com Title and E-mail Address 04/01/2005 Date 18SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Date of Survey Signature and Seal of Professional Surveyer

Certificate Number

District I 2625 N. French Dr., Hobbs, NM 88240

State of New Mexico Energy, Minerals & Natural Resources

Form C-102 Revised June 10, 2003

District III 1000 Rio Brazos Rd., Aztec, NM 87410 District IV			1220 South St. Francis Dr. State Lease - 4 Copie					priate District Office tate Lease - 4 Copies Fee Lease - 3 Copies	
e Dr. Santa	Fe. NM 8750	05		No	III. 1 -,	0,500		ПА	MENDED REPORT
Joseph Garage			ATION	A١	ND ACREA	AGE DEDICA	ATION PLA	Т	
API Numbe									
-025-249	43		6270)0			Wantz	Abo	
Code					⁵ Property N	lame			⁶ Well Number
							····		13
					•			j	⁹ Elevation
<u>i3</u>									3362'
Section	Township	Range	Lot. I	ldn		North/South line	Peet from the	East/West li	ne County
11	22-S	37-E		丄	330'	North	2080	West	Lea
		11 Bot	tom Hok	e L	ocation If Di	fferent From Su	ırface		
Section	Township	Range	Lot. 1	Idn	Feet from th	e North/South line	Feet from the	East/West li	ne County
es 13 Join	nt or Infill	¹⁴ Consolidatio	n Code	5 Orc	ier No.				
							THE DIVISION 17 OPERA I hereby certify true and comp belief. Signature Charles Printed Name Engineer celesendri	TOR CEF that the information the best E. Kenndrin ing Technology	RTIFICATION nation contained herein is of my knowledge and Lucian
····							04/01/20 Date	05	
							I hereby certify plat was plotted made by me or same is true and Date of Survey	y that the well i d from field no under my supe ad correct to th	ocation shown on this tes of actual surveys rvision, and that the e best of my belief.
	Rd., Aztec, N is Dr., Santa API Numbe 1-API Numbe 1-025-249 y Code 1-88 D No. 53 Section 11 Section 11	Rd., Aztec, NM 87410 is Dr., Santa Fe, NM 8750 WE API Number 1-0-025-24943 y Code 188 D No. 53 Section Township 11 22-S Section Township 13 Joint or Infill ABLE WILL BE ASS	Rd., Aztec, NM 87410 is Dr., Santa Fe, NM 87505 WELL LOCA API Number 1-025-24943 y Code 188 D No. 53 Section Township Range 11 22-S 37-R 11 Bot Section Township Range 13 Joint or Infill 14 Consolidation ABLE WILL BE ASSIGNED TOWNSTAND NON-STAND	Rd., Aztec, NM 87410 is Dr., Santa Fe, NM 87505 WELL LOCATION API Number 2 Pool C 2 Pool C 6270 Code 188 D No. 53 Section Township Range Lot. 1 Bottom Hole Section Township Range Lot. 1 Bottom Hole Section Township Range Lot. Non-Standard UN NON-STANDARD UN	Rd., Aztec, NM 87410 Sa is Dr., Santa Fe, NM 87505 WELL LOCATION AN API Number 2 Pool Code 62700 Code 188 O No. Section Township Range Lot. Idn 11 22-S 37-E 11 Bottom Hole Lot. Idn Section Township Range Lot. Idn ABLE WILL BE ASSIGNED TO THIS COM NON-STANDARD UNIT	Rd., Aztec, NM 87410 Rd., Aztec, NM 87410 Santa Fe, NM 87505 WELL LOCATION AND ACREA API Number P-025-24943 Code Section Township Range Lot. Idn Feet from the ces 13 Joint or Infill 14 Consolidation Code 15 Order No. Rd., Aztec, NM 87410 Santa Fe, NM 87505 WELL LOCATION AND ACREA Property No. Section Township Range Lot. Idn Feet from the ces 13 Joint or Infill 14 Consolidation Code 15 Order No. Rd., Aztec, NM 87410 Santa Fe, NM 87505 WELL LOCATION AND ACREA Property No. Section Township Range Lot. Idn Feet from the ces 13 Joint or Infill 14 Consolidation Code 15 Order No.	1220 South St. Francis Dr. Santa Fe, NM 87505 WELL LOCATION AND ACREAGE DEDICA API Number 2 Pool Code 62700 5 Property Name 10 Surface Location Section Township Range Lot. Idn Feet from the North/South line 11 22-S 37-E 330 North 11 Bottom Hole Location If Different From Surface In Section Township Range Lot. Idn Feet from the North/South line Section Township Range Lot. Idn Feet from the North/South line 11 Section Township Range Lot. Idn Feet from the North/South line Section Township Range Lot. Idn Feet from the North/South line Section Township Range Lot. Idn Feet from the North/South line Section Township Range Lot. Idn Feet from the North/South line Section Township Range Lot. Idn Feet from the North/South line Section Township Range Lot. Idn Feet from the North/South line Section Township Range Lot. Idn Feet from the North/South line Section Township Range Lot. Idn Feet from the North/South line Section Township Range Lot. Idn Feet from the North/South line	I220 South St. Francis Dr. Santa Fe, NM 87505 WELL LOCATION AND ACREAGE DEDICATION PLA APP Number Pool Code Poest-24943 Pool No. South St. Francis Dr. Santa Fe, NM 87505 WELL LOCATION AND ACREAGE DEDICATION PLA APP Number Pool Code Poest-24943 Pool No. Soction Township Range Lot. Idn Peet from the North/South line Peet from the 11 22-8 37-8 330 North 2080 Il Bottom Hole Location If Different From Surface Section Township Range Lot. Idn Peet from the North/South line Peet from the 13 Joint or Infill Peet from the 14 Consolidation Code Peet from the North/South line Peet from the 15 Order No. ABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION Fine Peet from the 15 Order No. ABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION Fine Peet from the 15 Order No. BYO The Peet from the 16 Order Peet from the 17 Order No. BYO Township Range Printed Name Engineer Colomorking Title and E-m Order Peet Form The Peet from The 18 Order Peet Form The Peet Form The Peet from The 18 Order Peet Form The Peet	I 1220 South St. Francis Dr. Santa Fe, NM 87505 Is Dr., Santa Fe, NM 87505 WELL LOCATION AND ACREAGE DEDICATION PLAT I API Number I POOL Code Section Township Section Township Range Lot. Idn Section Township Range Lot. Idn Feet from the North/South line Section Township Range Lot. Idn Feet from the North/South line Section Township Range Lot. Idn Feet from the North/South line Section Township Range Lot. Idn Feet from the North/South line Feet from the East/West line Section Township Range Lot. Idn Feet from the North/South line Feet from the East/West line Section Township Range Lot. Idn Feet from the North/South line Feet from the East/West line Section Township Range Lot. Idn Feet from the North/South line Feet from the East/West line Section Township Range Lot. Idn Feet from the North/South line Feet from the East/West line Section Township Range Lot. Idn Feet from the North/South line Feet from the East/West line Township Range Lot. Idn Feet from the North/South line Feet from the East/West line Section Township Range Lot. Idn Feet from the North/South line Feet from the East/West line Township Range Lot. Idn Feet from the North/South line Feet from the East/West line Section Township Range Lot. Idn Feet from the North/South line Feet from the East/West line Range Range Lot. Idn Feet from the North/South line Feet from the East/West line Range Range Lot. Idn Feet from the North/South line Feet from the East/West line Range Range Lot. Idn Feet from the North/South line Feet from the East/West line Range Range I Bottom Hole Location I Different From Surface Range Range I Bottom Hole Location I Different From Surface Range Range I Bottom Hole Location I Different From Surface Range Range I Bottom Hole Location I Different From Surface Range Range I Bottom Hole Location I Different From Surface Range Range I Bottom Hole Location I Different From Surface Range Range Range Range Range Range Range Range

Certificate Number