

# ENERGY, MINEF ALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION HOBBS DISTRICT OFFICE

BRUCE KING GOVERNOR

/ed

4-26-94

POST OFFICE BOX 1980 HOBBS, NEW MEXICO 88241-1980 (505) 393-6161

OIL CONSERVATION DIVISION P. O. BOX 2088 SANTA FE, NEW MEXICO 87501	DHC-1815
RE: Proposed: MC DHC NSL NSP SWD WFX PMX	
Gentlemen:	
I have examined the application for the:  Marython Vil Co Levellort  Operator Lease & Well No. I  and my recommendations are as follows:	han 15-6 11-22-37 Unit S-T-R
Yours very truly,  Jerry Sexton Supervisor, District 1	



P.O. Box 552 Midland, TX 79702-0552 Telephone 915/682-1626

April 20, 1994

Mr. William LeMay, Director
Energy, Minerals, & Natural Resources Dept.
New Mexico Oil Conservation Dept.
P O Box 2088
Santa Fe, New Mexico 87504-2088

Attn: David R. Catanach

RE: Request Exception to Rule 303-A
Downhole Commingling
Lou Worthan No. 15
Unit G, 1980' FNL & 1860' FEL
Sec. 11, T-22-S, R-37-E
Wantz Abo, Drinkard Formations
Drinkard Field
Lea County, New Mexico

Dear Mr. Catanach:

Marathon Oil Company is requesting administrative approval for an exception to Rule 303-A. This approval would permit the downhole commingling of production in the referenced well from the Drinkard and the Wantz Abo pools in Lea County, New Mexico.

Currently, the well is dually completed. By removing the dual completion equipment, the well can be rod pumped. This will reduce back pressure on the formation and increase productivity.

Pertinent supporting data is listed below:

- 1. A lease plat showing the location of the well is attached.
- Copies of recently conducted C-116 tests for both zones are attached.
- 3. Decline curves for both zones are attached.
- 4. A listing of offset operations is attached.
- 5. Form C-102 for each formation is attached.

AECEWE:

APR 2 5 1898.

OFFICE

#### LETTER

Request Exception to Rule 303-A

Page -2-

- 6. Bottom hole pressures from surveys run 3-14-91:
  Drinkard 551 psig Wantz Abo 509 psig
- 7. Ownership of the two pools to be commingled are in common and correlative rights will not be violated.
- 8. Marathon's has commingled the fluids at the surface without compatibility problems. Downhole commingling will not reduce the commercial value of the product.
- 9. Estimated production after installation of pumping equipment is displayed below. Gas rates are from form C-116. Liquid rates have been estimated from well modeling programs and recently acquired FL level information.

	OIL		Gas		Water	
FORMATION	<u>BPD</u>		MCFPD	-8	BPD	
Drinkard	2	64	77	22.1	1	33
Wantz Abo	_1_	<u>33</u>	<u>271</u>	<u>77.9</u>		64
TOTAL	3	100	348	100	3	100

By copy of this letter, we are notifying all offset operators of the proposed commingling.

If additional information is required, please contact me at 915/687-8324.

Sincerely,

Thomas M. Price

Advanced Engineering Technician

Thomas with their

tmp\jo\94069

District I PO Box 1990, Hobbs, NM 88241-1980 District II PO Drawer DD, Artesia, NM 88211-6719 District III

## State of New Mexico Energy, Minerale & Natural Resources Department

Form C-102
Revised February 10, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088

Wantz Abo

Pool Code

62700

Fee	Lease	•	3	Copies

1000 Rio Brams Rd., Aziec, NM 87410 District IV PO Box 2008, Santa Fe, NM 87504-2008

API Number

30-025-25304

	AMENDED REPORT
WELL LOCATION AND ACREAGE DEDICATION PLAT	

* Property 00648			tz Ab	00	¹ Proper	ty Name			• Well Noat	<b></b>
OGRID 01402		'Operator Name Marathon Oil Company						' Elevation		
						e Location			3345	GL
UL or lot so.	Section	Township	Range	Lot Ida	Fost from the	North/South fine	T 5			
G	11	225	37E		1980	North	Feet from the	East/West		
		225	<u>.                                    </u>	tom Hol		If Different Fre	1860	East	Le	a:
L or lot so.	Section	Township	Range	Lot Ide	Feet from the	North/South Ene	Foot from the	East/West I		
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40 NO ALLOW	N	WILL BE A	SSIGNE	D ТО ТНІ	S COMPLETI	ION UNTIL ALL EEN APPROVED	INTERESTS H	AVE DEE		
					1980 # <i>I</i> 5	1860'	Signature  Printed Name Thomas Title Adv. Date 4-20	es M. F Engine	Price Pering Tec	ch
		SECTIO	N 11				I hereby certify was plotted from me or under my and correct to to  Date of Survey Signature and Si	that the well li m field notes of y supernsion, a the best of my li leal of Professio		5 pla 1 be
			1		1		Certificate Numi	her		

#### New Mexico Oil Conservation Division C-102 Instructions

16.

IF THIS IS AN AMENDED REPORT. CHECK THE BOX LABLED "AMENDED REPORT" AT THE TOP OF THIS DOCUMENT.

Surveyors shall use the latest United States government survey or dependent resurvey. Well locations will be in reference to the New Mexico Principal Meridian. If the land is not surveyed contact the appropriate OCD district office. Independent subdivision surveys will not be acceptable.

- The OCD assigned API number for this well
- 2. The pool code for this (proposed) completion
- The pool name for this (proposed) completion
- 4. The property code for this (proposed) completion
- The property name (well name) for this (proposed) completion
- 6. The well number for this (proposed) completion
- 7. Operator's OGRID number
- 8. The operator's name
- 9. The ground level elevation of this well
- 10. The surveyed surface location of this well measured from the section lines. NOTE: If the United States government survey designates a Lot Number for this location use that number in the 'UL or lot no.' box. Otherwise use the OCD unit latter.
- Proposed bottom hole location. If this is a horizontal hole indicate the location of the end of the hole.
- The calculated acreage dedicated to this completion to the nearest hundredth of an acre
- Put a Y if more than one completion will be sharing this same acreage or N if this is the only completion on this acreage
- 14. If more than one lease of different ownership has been dedicated to the well show the consolidation code from the following table:
  - C Communitization
  - U Unitization
  - F Forced pooling
  - O Other
  - P Consolidation pending

NO ACTUAL VIEW ASSESSMED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE SEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION!

Write in the OCD order(s) approving a non-etandard location, non-etandard spacing, or directional or horizontal drilling

This grid represents a standard section. You may superimpose a non-etandard section over this grid. Outline the dedicated acreage and the separate leases within that dedicated acreage. Show the well surface location and bottom hole location, if it is directionally drilled, with the dimensions from the section lines in the cardinal directions. (Note: A legal location is determined from the perpendicular distance to the edge of the tract.) If this is a high angle or horizontal hole show that portion of the well bore that is open within this pool.

Show all lots, lot numbers, and their respective acreage.

If more than one lease has been-dedicated to this completion, outline each one and identify the ownership as to both working interest and royalty.

- The signature, printed name, and title of the person authorized to make this report, and the data this document was signed.
- 18. The registered surveyors certification. This section does not have to be completed if this form has been previously accepted by the OCD and is being filed for a change of pool or dedicated acreage.

District I PO Box 1986, Hobbs, NM \$8241-1980

PO Drawer DD. Artesia, NM 88211-6719

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

PO Box 2008, Santa Fe, NM 87504-2008

## State of New Mexico Energy, Mineran & Natural Resources Department

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe. NM 87504-2088 Form C-102 Revised February 10, 1994 Instructions on back

Submit to Appropriate District Office
State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

API Numb	er	<sup>2</sup> Pool Code		¹ Pool Name		
30-025-2530	)4	19190	Drinkard	FOOL NAME		
* Property Code 006488	Lou W	Vorthan	<sup>5</sup> Property Name		15 Well No	- Caber
'OGRID No. 014021	Maratho	on Oil Compar	Operator Name		3345	51

### 10 Surface Location

- 1										
j	UL or ict se.	Section	Township	Range	Lot ida	Fost from the	North/South fine	Fost from the	East/West See	County
l	G	11	22S	37E		1980	North	1860	East	Lea
								<del></del>	1	

## 11 Bottom Hole Location If Different From Surface

ſ	UL or lot se.	Cardina	T.	T							
1	l correspond	Section	Township	Range	Lot Ida	Foot from the	North/South fine	Fost from the	East/West Sac	County	_
	G G	11	22S			1980	North	1860	East	Lea	
14 Dedicer . 1 Acres 14 Joint or Infill 14 Consolidation Code 14 Order No.								-			
	40	N									
٠											

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16		1980'		17 OPERATOR CERTIFICATION I hereby certify that the information constand herein is true and compute to the best of my invarience and belief
				Thomas infiner
		# 15	1860'	Thomas M. Price This Adv. Engineering Tech.  Date 4-20-94
	SECTION 11			18 SURVEYOR CERTIFICATION  I hereby certify that the well location that made by was plotted from field notes of actual surveys made by me or under my supervision, and that the same it true and correct to the best of my belief.
				Date of Survey Signature and Soal of Professional Surveyor:
				Ceruficate Number

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U Unitization

P Consolidation pending

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15. Write in the OCD order(s) approving a non-etandard location, non-etandard spacing, or directional or horizontal drilling

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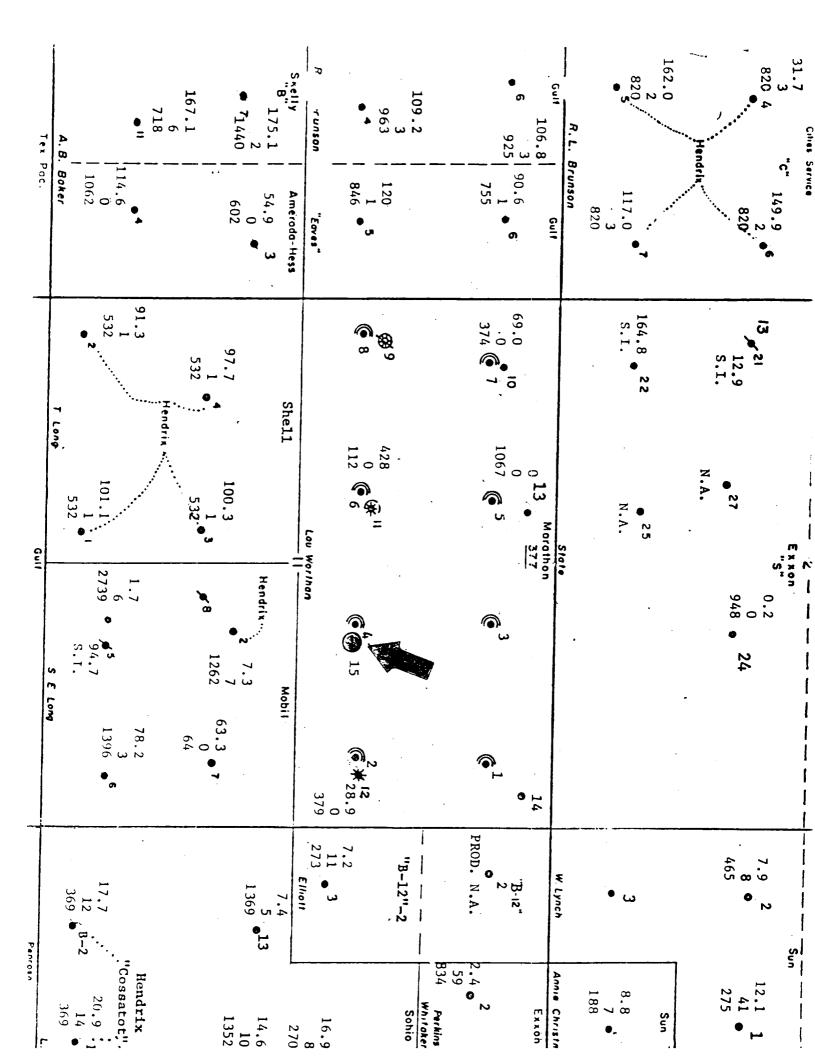
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- 18. The registered surveyors certification. This section does not have to be completed if this form has been previously accepted by the OCD and is being filed for a change of pool or dedicated acreage.

# no 15 Lon Worthan

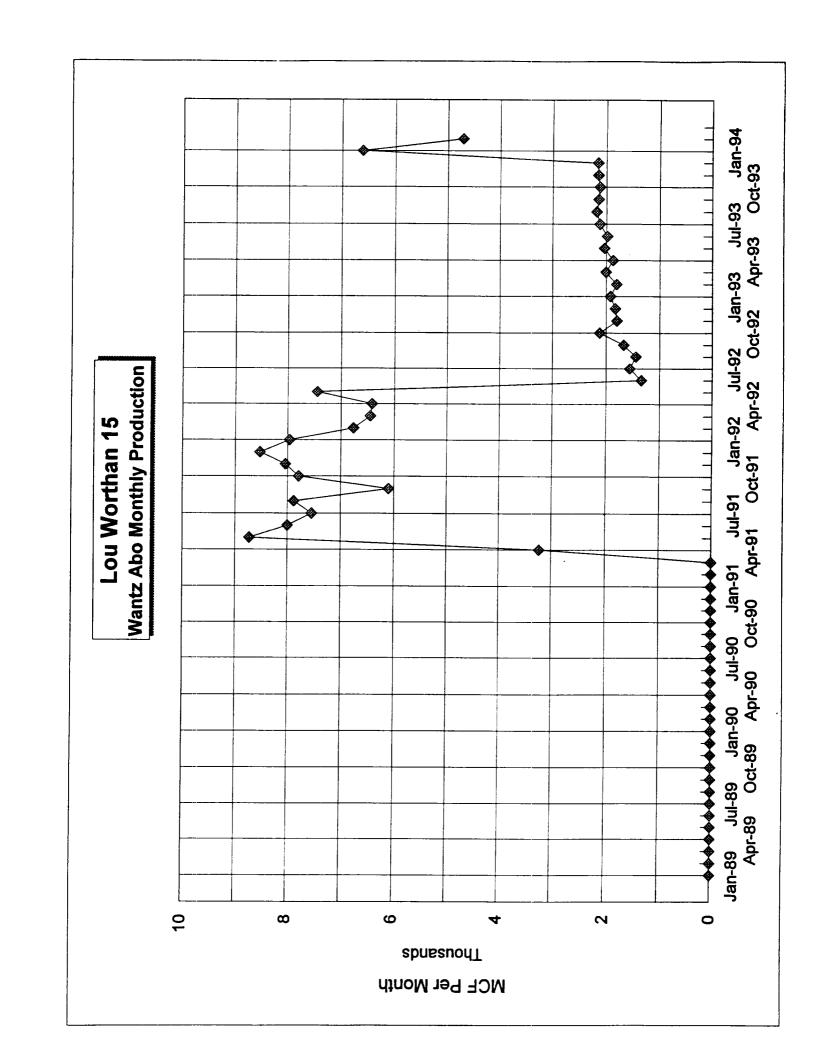
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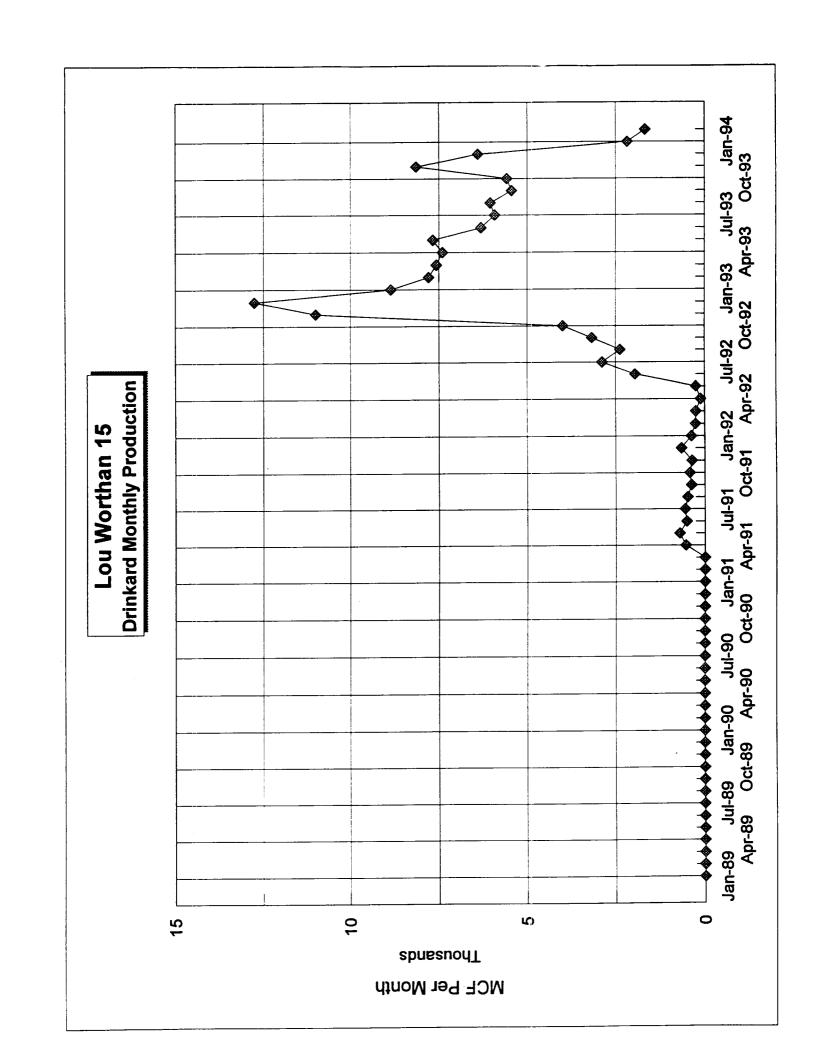
OFFICE



RECEIVED

APR 3 5 1994

OFFICE



### OFFSET OPERATORS

LOU WORTHAN LEASE Sec. 11, T-22-S, R-37-E Lea County, New Mexico

Exxon Company USA
P. O. Box 1600
Midland, TX 79702-1600
Attn: Land Department

Shell Western E&P
P. O. Box 576
Houston, TX 77001-0576
Attn: Land Department

Oxy USA Inc. P. O. Box 50250 Midland, TX 79705-0250 Attn: Land Department Southwest Royalties, Inc. P. O. Drawer 11390 Midland, TX 79702-1390 Attn: Jon M. Tate

John H. Hendrix 223 West Wall, Suite 525 Midland, TX 79701 Chevron USA Inc. P. 0. Box 1150 Midland, TX 79702-1150 Attn: Land Department

American Exploration Company 1331 Lamar, Ste 900 Houston, TX 77010-3086 Amerada Hess Corporation 1201 Louisiana, Ste 700 Houston, TX 77002 Attn: Randy Pharr

Mobil Exploration & Producing U.S. Inc. P. O. Box 633
Midland, TX 79702-0633
Attn: Larry Coppedge

Texaco Exploration & Production P. O. Box 3109 Midland, TX 79702-3109 Attn: Land Department

Shell Oil Company P. O. Box 2463 Houston, TX 77252-2463 Attn: Land Department