



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

BRUCE KING
GOVERNOR

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-1215

RE: Proposed:

MC _____
DHC X _____
NSL _____
NSP _____
SWD _____
WFX _____
PMX _____

Gentlemen:

I have examined the application for the:

Marathon Oil Co Levell Worthan #15-6 11-22-37
Operator Lease & Well No. Unit S-T-R

and my recommendations are as follows:

OK

Yours very truly,

Jerry Sexton
Jerry Sexton
Supervisor, District 1

/ed



**Marathon
Oil Company**

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.
2. 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.

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APR 26 1994

JOE HOBBS
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.

<u>FORMATION</u>	<u>OIL</u>		<u>Gas</u>		<u>Water</u>	
	<u>BPD</u>	<u>%</u>	<u>MCFPD</u>	<u>%</u>	<u>BPD</u>	<u>%</u>
Drinkard	2	64	77	22.1	1	33
Wantz Abo	1	33	271	77.9	2	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

tmp\jo\94069

District I
PO Box 1988, Hobbs, NM 88241-1988
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Bravo Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & 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 Number 30-025-25304	Pool Code 62700	Pool Name Wantz Abo
Property Code 006488	Property Name Wantz Abo	Well Number 15
OGRID No. 014021	Operator Name Marathon Oil Company	Elevation 3345 GL

10 Surface Location

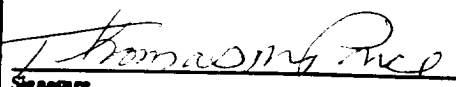
UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
G	11	22S	37E	-	1980	North	1860	East	Lea

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
G	11	22S	37E	-	1980	North	1860	East	Lea

Dedicated Acres 40	Joint or Infill N	Consolidation Code	Order No.
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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 contained herein is true and complete to the best of my knowledge and belief.  Signature Printed Name Thomas M. Price Title Adv. Engineering Tech. Date 4-20-94
			#15	1860'		
	SECTION 11					
						18 SURVEYOR 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 Surveyor: Certificate Number

New Mexico Oil Conservation Division
C-102 Instructions

IF THIS IS AN AMENDED REPORT, CHECK THE BOX LABELED "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.

1. The OCD assigned API number for this well
2. The pool code for this (proposed) completion
3. The pool name for this (proposed) completion
4. The property code for this (proposed) completion
5. 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 letter.
11. Proposed bottom hole location. If this is a horizontal hole indicate the location of the end of the hole.
12. The calculated acreage dedicated to this completion to the nearest hundredth of an acre
13. 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

16. This grid represents a standard section. You may superimpose a non-standard 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.

17. The signature, printed name, and title of the person authorized to make this report, and the date 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.

NO AMENDMENTS PERMITTED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION!

APR 25 1994

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

OFFICE

District I
PO Box 1988, Hobbs, NM 88241-1988
District II
PO Drawer DD, Artesia, NM 88211-8719
District III
1000 Rio Bravo Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & 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 Number 30-025-25304		Pool Code 19190	Pool Name Drinkard	
Property Code 006488	Property Name Lou Worthan		Well Number 15	
OGRID No. 014021	Operator Name Marathon Oil Company		Elevation 3345 5L	

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	11	22S	37E	-	1980	North	1860	East	Lea

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	11	22S	37E	-	1980	North	1860	East	Lea

Dedicated Acres 40	Joint or Infill N	Consolidation Code	Order No.
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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'			
				#15			
				1860'			
SECTION 11							

17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Thomas M. Price
Signature

Printed Name
Thomas M. Price

Title
Adv. Engineering Tech.

Date
4-20-94

18 SURVEYOR 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 Surveyor:

Certificate Number

New Mexico Oil Conservation Division
C-102 Instructions

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APR 25 1994

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OFFICE

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

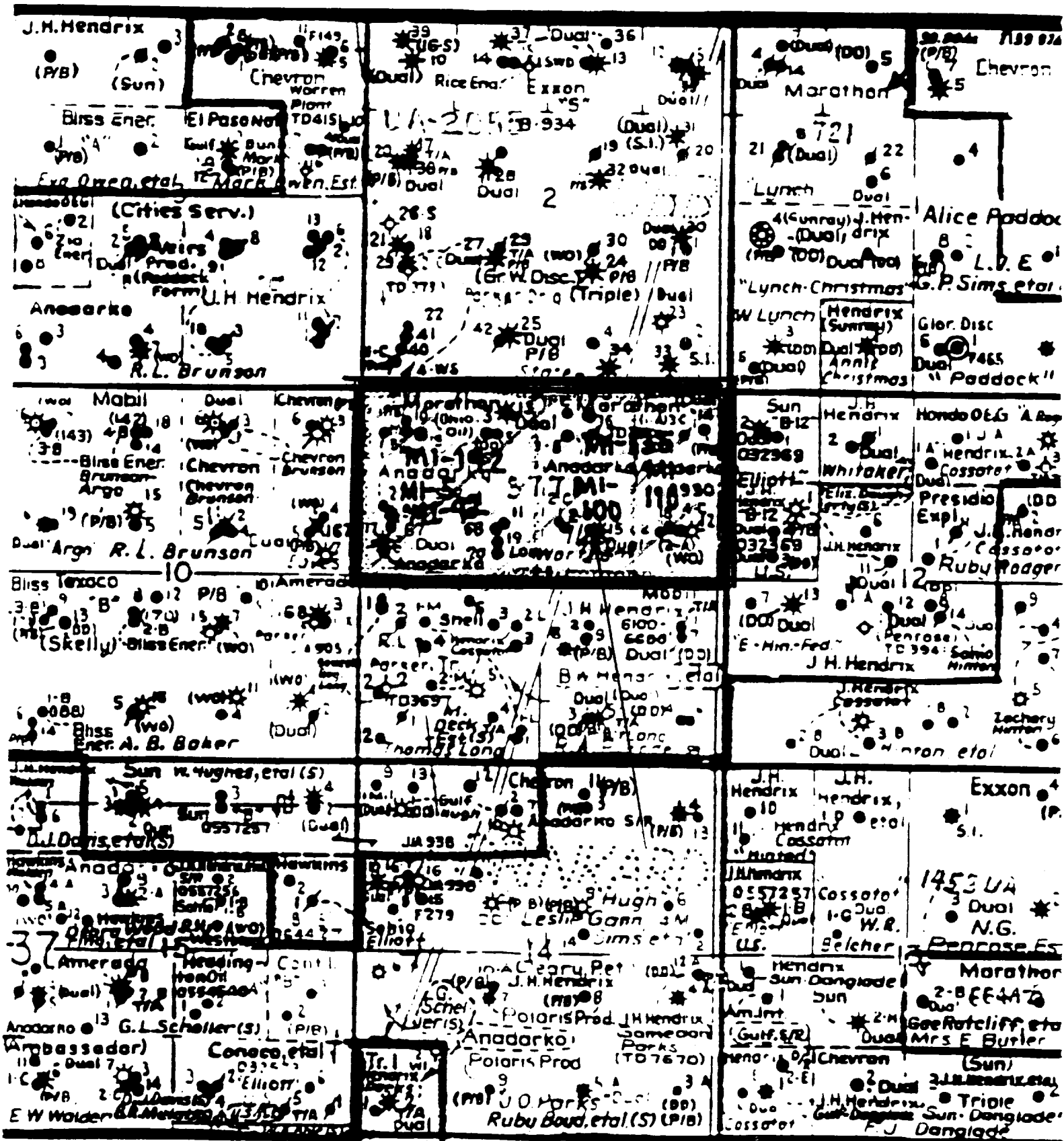
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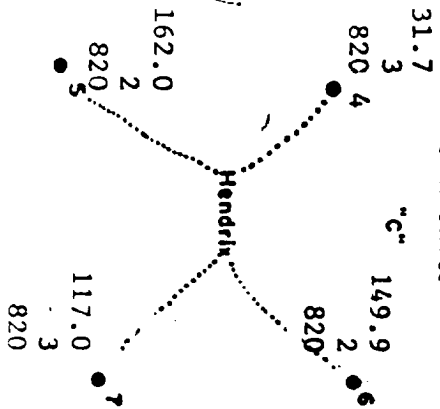
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No 15 Lou Worthan →





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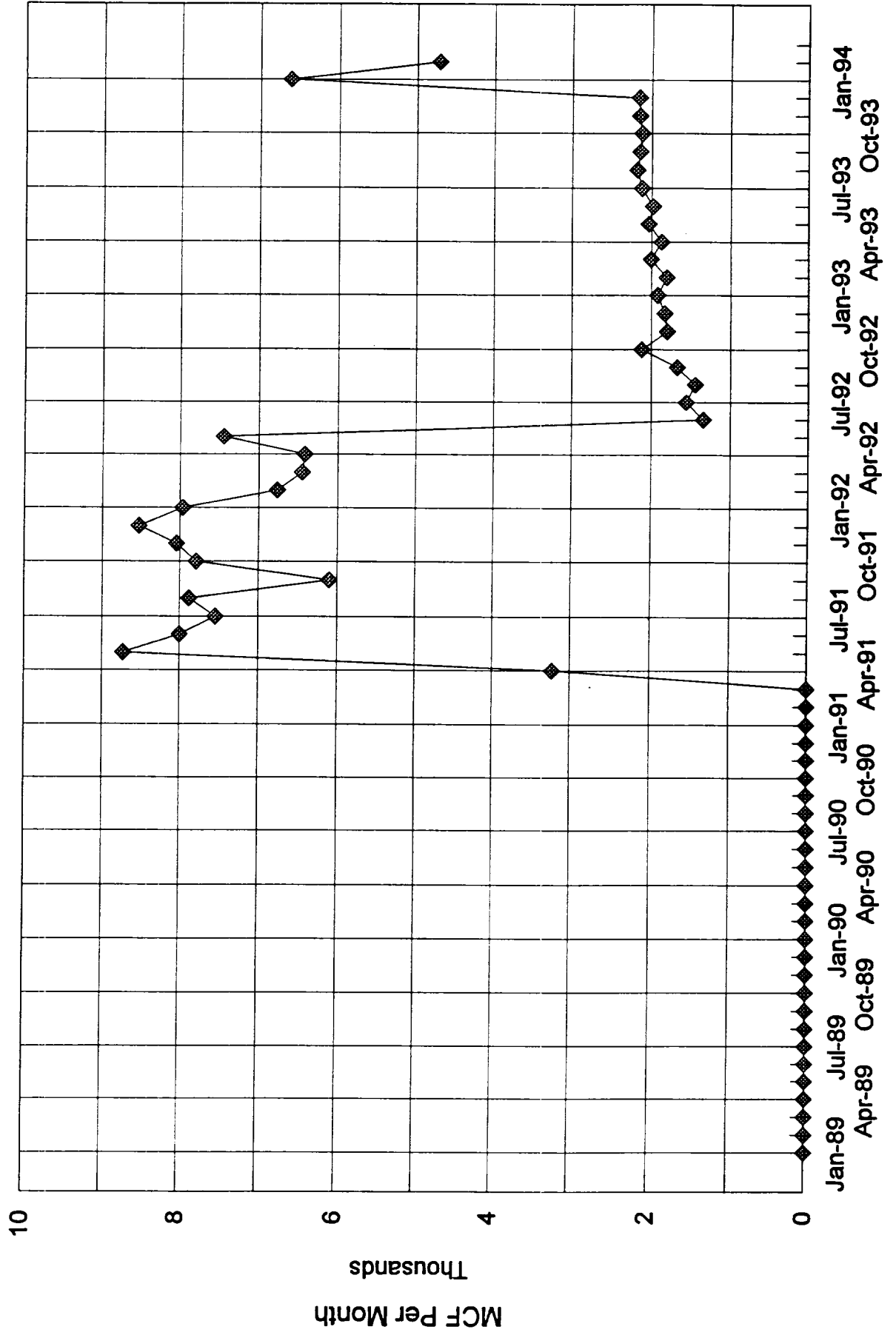
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APR 25 1994

JOBS
OFFICE

Lou Worthan 15
Wantz Abo Monthly Production

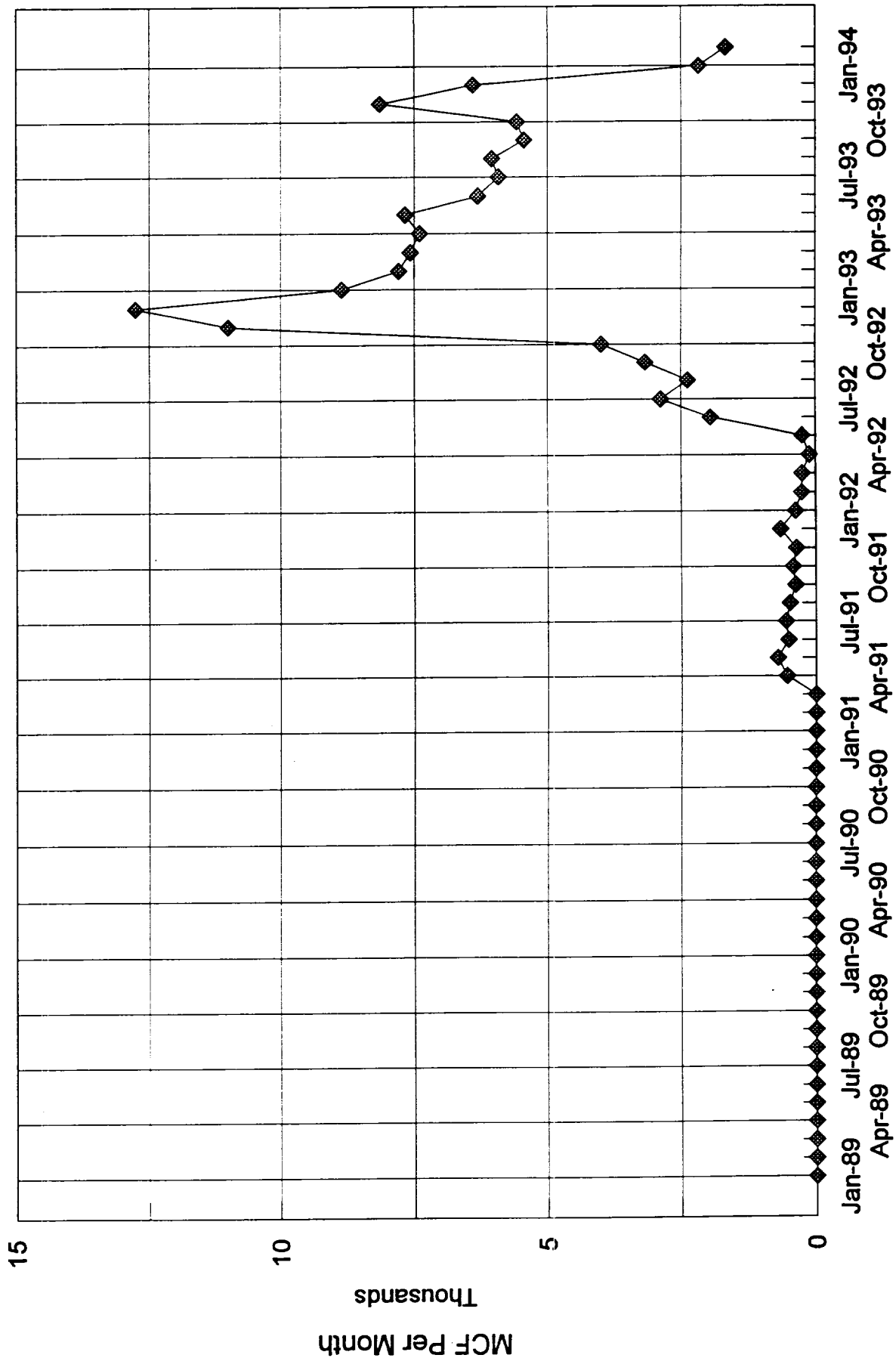


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APR 28 1994

SECURITY
OFFICE

Lou Worthan 15 **Drinkard Monthly Production**



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. O. 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