

Submit 3 Copies
to Appropriate
District Office

ATTACHMENT 2
State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL API NO.
5. Indicate Type of Lease STATE ☐ FEE ☒
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Mark Owen
8. Well No. 7
9. Pool name or Wildcat Wantz Granite Wash, Wantz Abo

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, Texas 79702	
4. Well Location Unit Letter N : 660 Feet From The South Line and 2310 Feet From The West Line Section 35 Township 21S Range 37E NMPM Lea County	
10. Elevation (Show whether DP, RKB, RT, GR, etc.) 3367' GL 3378' KB	

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK ☐	REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐	ALTERING CASING ☐
PULL OR ALTER CASING ☐	COMMENCE DRILLING OPNS. ☐
OTHER: Downhole commingle ☒	PLUG AND ABANDONMENT ☐
	CASING TEST AND CEMENT JOB ☐
	OTHER: ☐

12. 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.

Request authorization to downhole commingle the Wantz Granite Wash and the Wantz Abo pools.

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

SIGNATURE William D. Holmes TITLE Operations Superintendent DATE 6-19-90
TYPE OR PRINT NAME William D. Holmes TELEPHONE NO. (915) 682-1626

(This space for State Use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

ATTACHMENT 3
State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

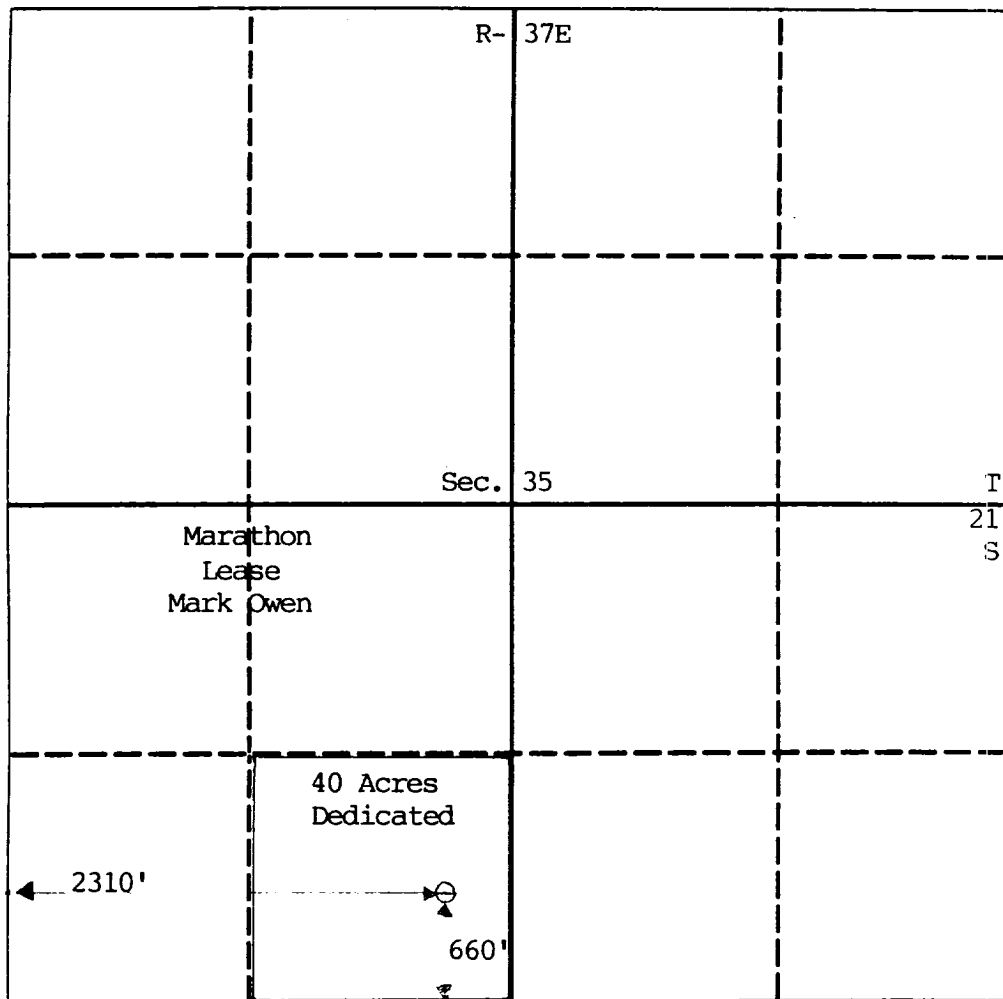
All Distances must be from the outer boundaries of the section

Operator Marathon Oil Company			Lease Mark Owen		Well No. 7
Unit Letter N	Section 35	Township 21S	Range 37E	County NMPM Lea	

Actual Footage Location of Well:

660 feet from the South line and 2310 feet from the West line			
Ground level Elev. 3376'	Producing Formation Wantz Abo/Granite Wash	Pool Wantz Abo/Granite Wash	Dedicated Acreage: 40 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
☐ Yes ☐ No If answer is "yes" type of consolidation _____
If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary).
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

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

Signature *J. R. Jenkins* 7/5/90

Printed Name
J. R. Jenkins

Position
Hobbs Production Sup't.

Company
Marathon Oil Company

Date
6-19-90

SURVEYOR CERTIFICATION

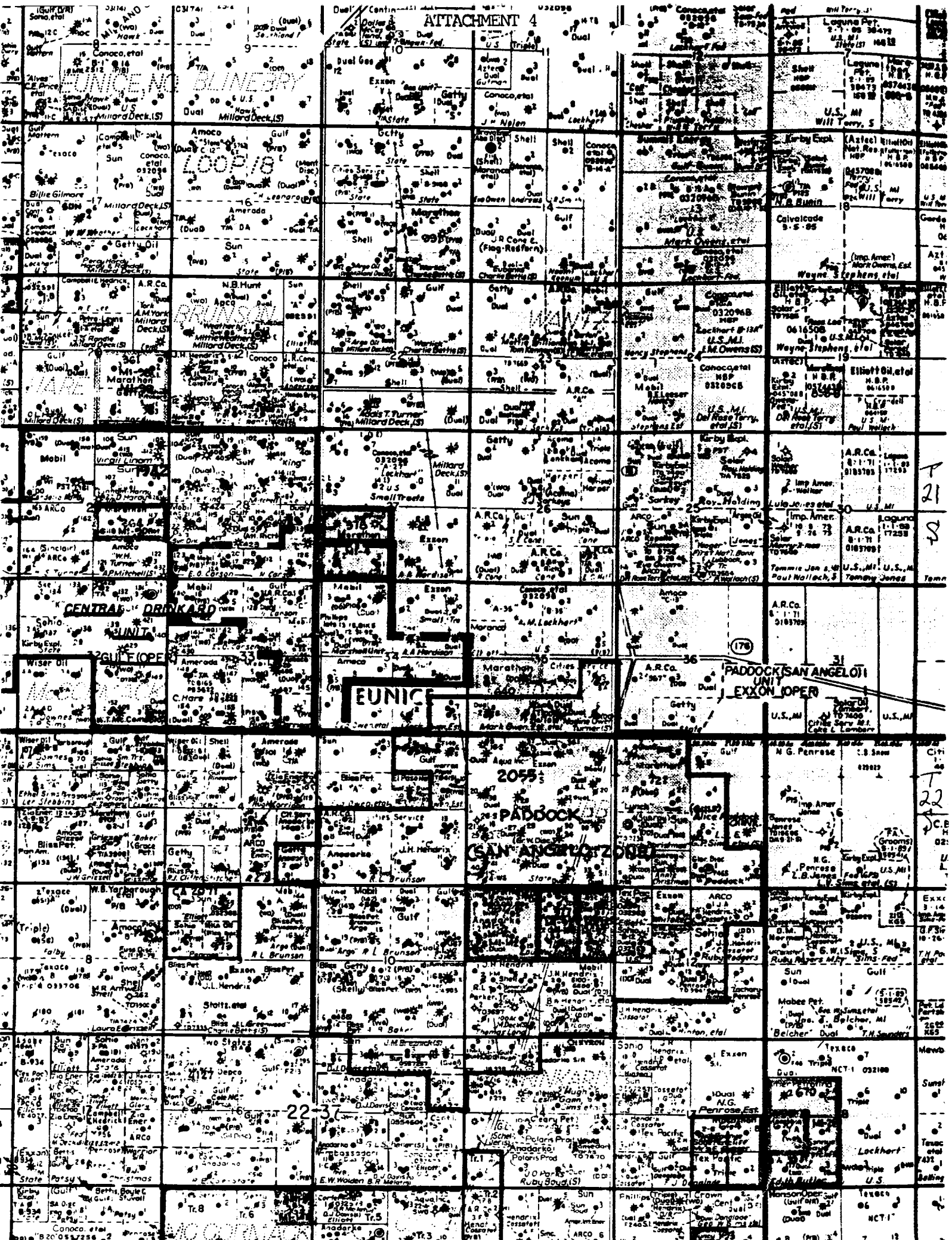
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

Signature & Seal of
Professional Surveyor

Certificate No.

ATTACHMENT 4



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JUL 13 1990

OCD
HOBBS OFFICE

Submit 2 copies to Appropriate District Office.

DISTRICT I
P.O. Box 1960, Hobbs, NM 88240
DISTRICT II
P.O. Drawer DD, Artesia, NM 88210
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

ATTACHMENT 5
State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-116
Revised 1/1/89

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

GAS - OIL RATIO TEST

Operator Marathon Oil Company		Pool Wantz (Abo)		County Lea												
Address P. O. Box 552, Midland, Texas 79702		TYPE OF TEST - (X) ☒ Scheduled ☐ Completion ☐ Special ☒														
LEASE NAME	WELL NO.	LOCATION				DATE OF TEST	CHOKE SIZE	TBG. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST				GAS - OIL RATIO CU FT/BBL	
		U	S	T	R						WATER BBL S.	GRAV. OIL	OIL BBL S.	GAS M.C.F.		
Mark Owen	7	N	35	21	37	5-19-90	F	28/64	60	*	24	0	39	14	52	3714
* Allowable Request																

Instructions:

During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Division.

Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F. Specific gravity base will be 0.60.

Report casing pressure in lieu of tubing pressure for any well producing through casing.

(See Rule 301, Rule 1116 & appropriate pool rules.)

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

Signature

J. R. Jenkins 7/5/92

J. R. Jenkins, Hobbs Production Sup't.

Printed name and title

6-25-90 (915) 682-1626

Date

Telephone No.

Submit 2 copies to Appropriate
District Office.
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240
DISTRICT II
P.O. Drawer DD, Artesia, NM 88210
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

ATTACHMENT 6
State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-116
Revised 1/1/89

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

GAS - OIL RATIO TEST

Operator Marathon Oil Company		Pool Wantz Granite Wash		County Lea										
Address P. O. Box 552, Midland Texas 79702		TYPE OF TEST - (X)		Completion ☐ Special ☒										
LEASE NAME	WELL NO.	LOCATION				DATE OF TEST	SIZE OF CHOKE	TBG. PRESS.	DAILY ALLOW. ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS - OIL RATIO CU FT/BBL
		U	S	T	R						WATER HRS.	GRAV. OIL HRS.	GAS M.C.F. HRS.	
Mark Owen	7	N	35	21	37	SI	--	30		24	0	4	23	5750
The last test on this well was 2-11-90 and the production for 24 hrs was 4 BOPD & 0 BWPD & GOR 5750. This well has been shut in because of a parted downhole pump.														

Instructions:

During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Division.

Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F. Specific gravity base will be 0.60.

Report casing pressure in lieu of tubing pressure for any well producing through casing.

(See Rule 301, Rule 1116 & appropriate pool rules.)

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

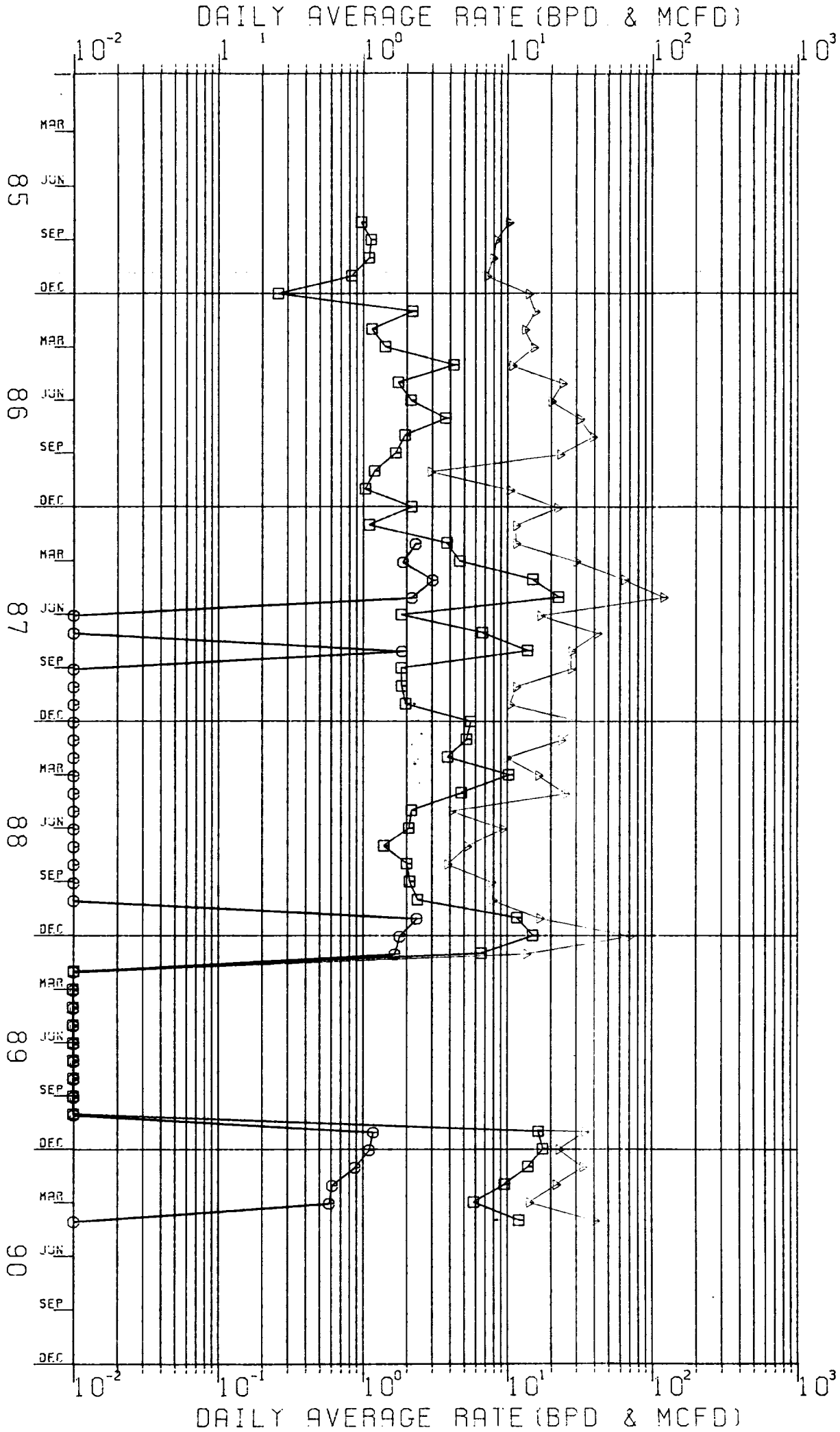
Signature

J. R. Jenkins, Hobbs Production Sup't.
Printed name and title

Date 6-25-90 (915) 682-1626

Telephone No.

FIELD - WANTZ
 RESERVOIR - ABO
 LEASE - OWEN, MARK
 WELL - MARK, OWEN-NO. 7



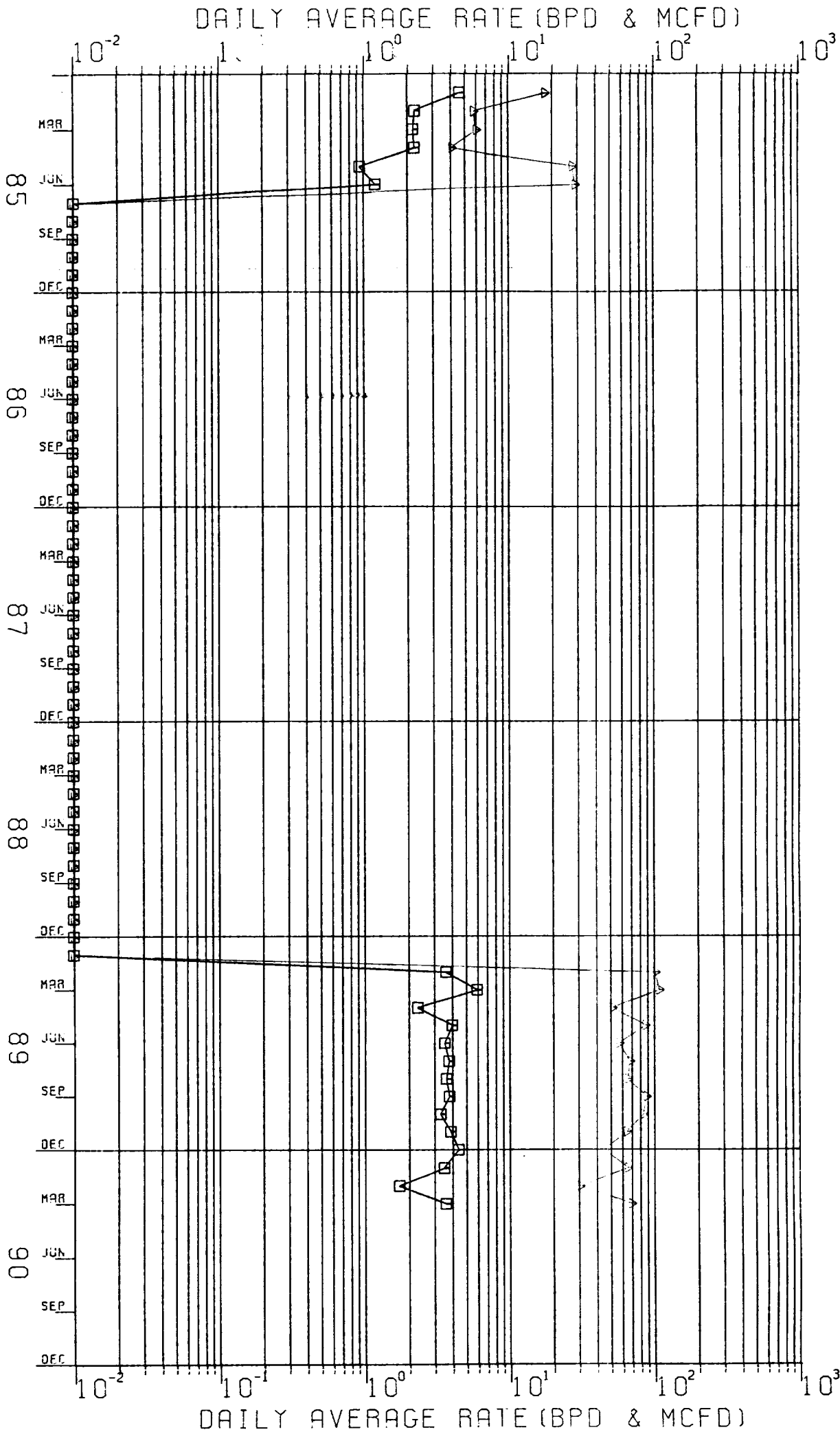
G+C CALENDAR DLY AVG — □
 GAS CALENDAR DLY AVG — △
 WTR CALENDAR DLY AVG — ○

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JUL 18 1990

NOB 18 1990

FIELD - WANTZ
 RESERVOIR - GRANITE WASH
 LEASE - OWEN, MARK
 WELL - MARK OWEN-NG. 7 (2)



O+C CALENDAR DLY AVG — □ —
 GAS CALENDAR DLY AVG — △ —

UNICHEM INTERNATIONAL

601 NORTH LEECH

P.O. BOX 1499

HOBBS, NEW MEXICO 88240

COMPANY : MARATHON
 DATE : 5-11-83
 FIELD LEASE & WELL : MARK OWEN #7 WANTZ AEO
 SAMPLING POINT:
 DATE SAMPLED : 5-10-83

SPECIFIC GRAVITY = 1.092
 TOTAL DISSOLVED SOLIDS = 136507
 PH = 4.09

		ME/L	MC/L
CATIONS			
CALCIUM	(CA)+2	560	11222.
MAGNESIUM	(MG)+2	340	4133.
SODIUM	(NA).CALC.	1521	34984.
ANIONS			
BICARBONATE	(HCO3)-1	0	0
CARBONATE	(CO3)-2	0	0
HYDROXIDE	(OH)-1	0	0
SULFATE	(SO4)-2	24.7	1187.
CHLORIDES	(CL)-1	2397	84980.
DISSOLVED GASES			
CARBON DIOXIDE	(CO2)	NOT RUN	
HYDROGEN SULFIDE	(H2S)	NOT RUN	
OXYGEN	(O2)	NOT RUN	
IRON(TOTAL)	(FE)		117.
BARIUM	(BA)+2	NOT RUN	
MANGANESE	(MN)	NOT RUN	

SCALING INDEX	TEMP
	30C
	86F
	-3.4
CARBONATE INDEX	
CALCIUM CARBONATE SCALING	UNLIKELY
SULFATE INDEX	2.79
CALCIUM SULFATE SCALING	LIKELY

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JUL 13 1990

MOBILE OFFICE

UNICHEM INTERNATIONAL

601 NORTH LEECH

P.O. BOX 1499

HOBBS, NEW MEXICO 88240

COMPANY : MARATHON OIL COMPANY
 DATE : 3-21-83
 FIELD, LEASES WELL MARK OWEN WELL #7
 SAMPLING POINT: GRANITE WASH
 DATE SAMPLED : 3-18-83

SPECIFIC GRAVITY = 1.065
 TOTAL DISSOLVED SOLIDS = 97279
 PH = 6.69

		ME/L	MG/L
CATIONS			
CALCIUM	(CA)+2	280	5611.
MAGNESIUM	(MG)+2	130	1580.
SODIUM	(NA).CALC.	1280.	29431.
ANIONS			
BICARBONATE	(HCO3)-1	3.6	219.
CARBONATE	(CO3)-2	0	0
HYDROXIDE	(OH)-1	0	0
SULFATE	(SO4)-2	51.0	2450
CHLORIDES	(CL)-1	1635.	57986.
DISSOLVED GASES			
CARBON DIOXIDE	(CO2)	NOT RUN	
HYDROGEN SULFIDE	(H2S)	NOT RUN	
OXYGEN	(O2)	NOT RUN	
IRON(TOTAL)	(FE)		112.
BARIUM	(BA)+2	NOT RUN	
MANGANESE	(MN)	NOT RUN	

SCALING INDEX	TEMP
	30C
	86F
CARBONATE INDEX	153
CALCIUM CARBONATE SCALING	LIKELY
SULFATE INDEX	10.4
CALCIUM SULFATE SCALING	LIKELY



**Marathon
Oil Company**

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

July 3, 1990

Oxy USA, Inc.
Midland District Office
P. O. Box 1919
Midland, Texas 79702

Re: Request for Exemption to Rule 303-A
Downhole Commingling
Mark Owen No. 7
Section 35-21S-37E
Lea County, New Mexico

Gentlemen:

Marathon Oil Company is requesting administrative approval from the New Mexico Oil Conservation Division to downhole commingle production in the above referenced well. The Mark Owen No. 7 well is completed in the Wantz Abo and the Wantz Granite Wash. Combined production should average 18 BOPD and 75 MCFD of gas.

Attached for your scrutiny is a copy of our application. Should you have any questions or concerns, please do not hesitate to call me.

Sincerely,

MARATHON OIL COMPANY

William D. Holmes
Midland Operations Superintendent

WPB/lr
Attachment

003-90

Mid-Continent Region
Production United States



**Marathon
Oil Company**

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

July 3, 1990

Exxon Company USA
P. O. Box 1600
Midland, Texas 79702-1600

Re: Request for Exemption to Rule 303-A
Downhole Commingling
Mark Owen No. 7
Section 35-21S-37E
Lea County, New Mexico

Gentlemen:

Marathon Oil Company is requesting administrative approval from the New Mexico Oil Conservation Division to downhole commingle production in the above referenced well. The Mark Owen No. 7 well is completed in the Wantz Abo and the Wantz Granite Wash. Combined production should average 18 BOPD and 75 MCFD of gas.

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Midland Operations Superintendent

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003-90