

app # 55622

AMEND DHC 8/3/00

Houston Division
Production Operations, United States

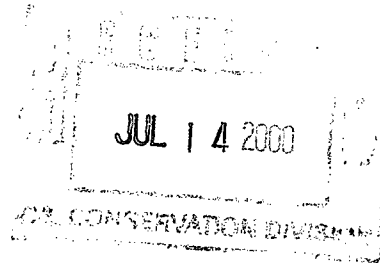


**Marathon
Oil Company**

P.O. Box 2490
Hobbs, New Mexico 88240
Telephone 505/393-7106

July 11, 2000

Mr. Mark Ashley
Petroleum Engineering Specialist
New Mexico Oil Conservation Division
2040 S. Pacheco
Santa Fe, NM 87505



Re: Request for Allocation Change to DHC No. 2083
Warn St. A/C 2 No. 26
2180' FNL & 400' FWL
Sec. 6, T-18-S, R-35-E
Wolfcamp and Upper Penn Pools
Vacuum Field
Lea County, New Mexico

Dear Mr. Ashley:

Marathon Oil Company respectfully requests administrative approval to change the production allocation to DHC No. 2083 for the above mentioned well.

Previously the well produced from the Vacuum Wolfcamp, Vacuum Upper Penn, and Vacuum Atoka. The Atoka has been plugged back and the well is currently a Wolfcamp and Upper Penn producer.

Enclosed is the pertinent data supporting the change in production allocation for the Wolfcamp and Upper Penn. If any additional information is necessary, please advise.

Sincerely,

A handwritten signature in cursive script, appearing to read 'A. J. Schwandt'.

Andrew J. Schwandt
Production Engineer
(505) 393-7106

Houston Division
Production Operations, United States



P.O. Box 2490
Hobbs, New Mexico 88240
Telephone 505/393-7106

July 11, 2000

Mr. Pete Martinez
Commissioner of Public Lands
State Land Office Building
P.O. Box 1148
Santa Fe, NM 87504-1148

Re: Request for Allocation Change to DHC No. 2083
Warn St. A/C 2 No. 26
2180' FNL & 400' FWL
Sec. 6, T-18-S, R-35-E
Wolfcamp and Upper Penn Pools
Vacuum Field
Lea County, New Mexico

Dear Mr. Martinez:

Marathon Oil Company respectfully requests administrative approval to change the production allocation to DHC No. 2083 for the above mentioned well.

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Sincerely,

A handwritten signature in cursive script, appearing to read 'A.J. Schwandt'.

Andrew J. Schwandt
Production Engineer
(505) 393-7106

Houston Division
Production Operations, United States



**Marathon
Oil Company**

P.O. Box 2490
Hobbs, New Mexico 88240
Telephone 505/393-7106

July 11, 2000

Mr. Chris Williams
District I Supervisor
Oil Conservation Division
P.O. Box 1980
Hobbs, NM 88240

Re: Request for Allocation Change to DHC No. 2083
Warn St. A/C 2 No. 26
2180' FNL & 400' FWL
Sec. 6, T-18-S, R-35-E
Wolfcamp and Upper Penn Pools
Vacuum Field
Lea County, New Mexico

Dear Mr. Williams:

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Enclosed is the pertinent data supporting the change in production allocation for the Wolfcamp and Upper Penn. If any additional information is necessary, please advise.

Sincerely,

Andrew J. Schwandt
Production Engineer
(505) 393-7106

DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980

State of New Mexico
Energy, Minerals and Natural Resources Dept.

Form C-102
Revised February 10, 1994
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0719

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

DISTRICT IV
P.O. BOX 2088, SANTA FE, N.M. 87504-2088

OIL CONSERVATION DIVISION

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
		Vacuum-Wolfcamp-Undesignated
Property Code	Property Name	Well Number
	WARN STATE ACCOUNT 2	26
OGRID No.	Operator Name	Elevation
14021	MARATHON OIL COMPANY	3967

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
LOT 4	6	18 S	35 E		2180	NORTH	400	WEST	LEA

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
Dedicated Acres	Joint or Infill	Consolidation Code	Order No.						
80									

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

LOT 4	LOT 3	LOT 2	LOT 1
37.43 ACRES LOT 5	40.00 ACRES	40.00 ACRES	40.00 ACRES
37.52 ACRES LOT 6			
37.57 ACRES LOT 7			
37.65 ACRES			

OPERATOR CERTIFICATION

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

Walker J. Nordt
Signature

D. P. Nordt
Printed Name

Drilling Superintendent
Title

8/15/96
Date

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.

JULY 30, 1996

Date Surveyed DMCC

Ronald D. Eason
Signature & Seal of Professional Surveyor

8-12-96

Certificate No. JOHN W. WEST 676
RONALD D. EASON 3239
RONALD D. EASON 12641

DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0719DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410DISTRICT IV
P.O. BOX 2088, SANTA FE, N.M. 87504-2088

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-33541	Pool Code	Pool Name Vacuum Upper Pennsylvanian
Property Code 6484	Property Name WARN STATE ACCOUNT 2	Well Number 26
OGRID No. 14021	Operator Name MARATHON OIL COMPANY	Elevation 3967

Surface Location

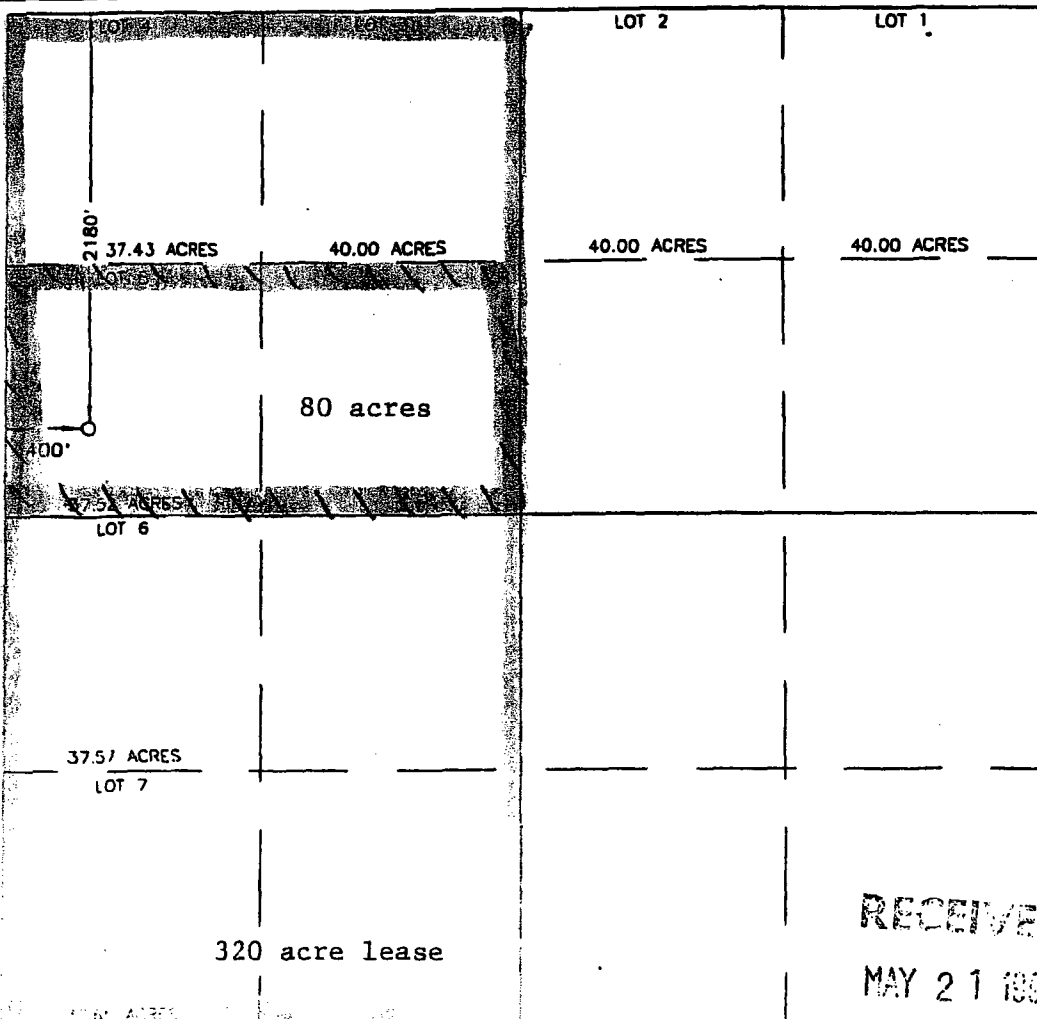
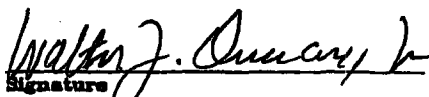
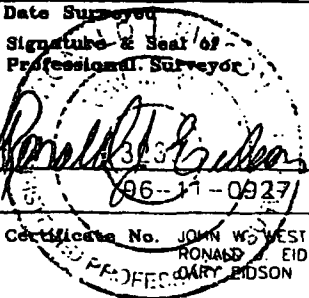
UL or lot No. LOT 4	Section 6	Township 18 S	Range 35 E	Lot Idn	Feet from the 2180	North/South line NORTH	Feet from the 400	East/West line WEST	County LEA
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Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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Dedicated Acres 80, S/2,NW/4	Joint or Infill	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

	OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.  Signature R. J. Longmire Printed Name Drilling Superintendent Title 12/14/98 Date
	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. JULY 30, 1996 Date Surveyed Signature & Seal of Professional Surveyor  Certificate No. JOHN W. WEST 676 RONALD J. EIDSON 3239 GARY EIDSON 12641

RECEIVED
MAY 21 1999

NORTHWEST OPERATIONS

Submit 3 Copies
to Appropriate
District Office

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 88241-1980

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

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

OIL CONSERVATION DIVISION

2040 Pacheco St.
Santa Fe, NM 87505

WELL API NO. 30-025-33541
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.

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 checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER	7. Lease Name or Unit Agreement Name Warn State A/C 2 DHC No. 2083
2. Name of Operator Marathon Oil Company	8. Well No. 26
3. Address of Operator P.O. Box 2490 Hobbs, NM 88240	9. Pool name or Wildcat Vacuum; Wolfcamp. Up Penn. Atoka
4. Well Location Unit Letter <u>E</u> : <u>2180</u> Feet From The <u>North</u> Line and <u>400</u> Feet From The <u>West</u> Line Section <u>6</u> Township <u>18-S</u> Range <u>35-E</u> NMPM <u>Lea</u> County	
10. Elevation (Show whether DF, RKB, RT, GR, etc.) <u>GL 3967'</u> <u>KB 3982'</u>	

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☐
OTHER: Install rod pump. Plug back Atoka ☒

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.

5/30 RU pulling unit. NU BOP. POOH w/tbg. cable & sub pump. RIH w/RBP & pkr. Swab various intervals. Rel RBP at 9730. pkr at 9470'. POOH.

6/3 RIH w/CIBP, set at 11,121'. Dump 2 sxs cmt. RIH w/2nd CIBP, set at 11,030'. Dump 2 sxs cmt. RIH w/3rd CIBP, set at 10,450'. No cmt dumped. RIH w/pkr, set at 9664'. Mix & pump 20 gals chemical. Swab.

6/7 RIH, rel pkr. POOH. RIH w/2 7/8" prod tbg.

6/8 ND BOP. NU wellhead. RIH w/pump & rods. Load & test. OK. RD pulling unit.

SN at 10,340'
Btm of tbg 10,375'

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

SIGNATURE Kelly Cook TITLE Records Processor DATE 7/12/00
TYPE OR PRINT NAME Kelly Cook TELEPHONE NO. 393-7106

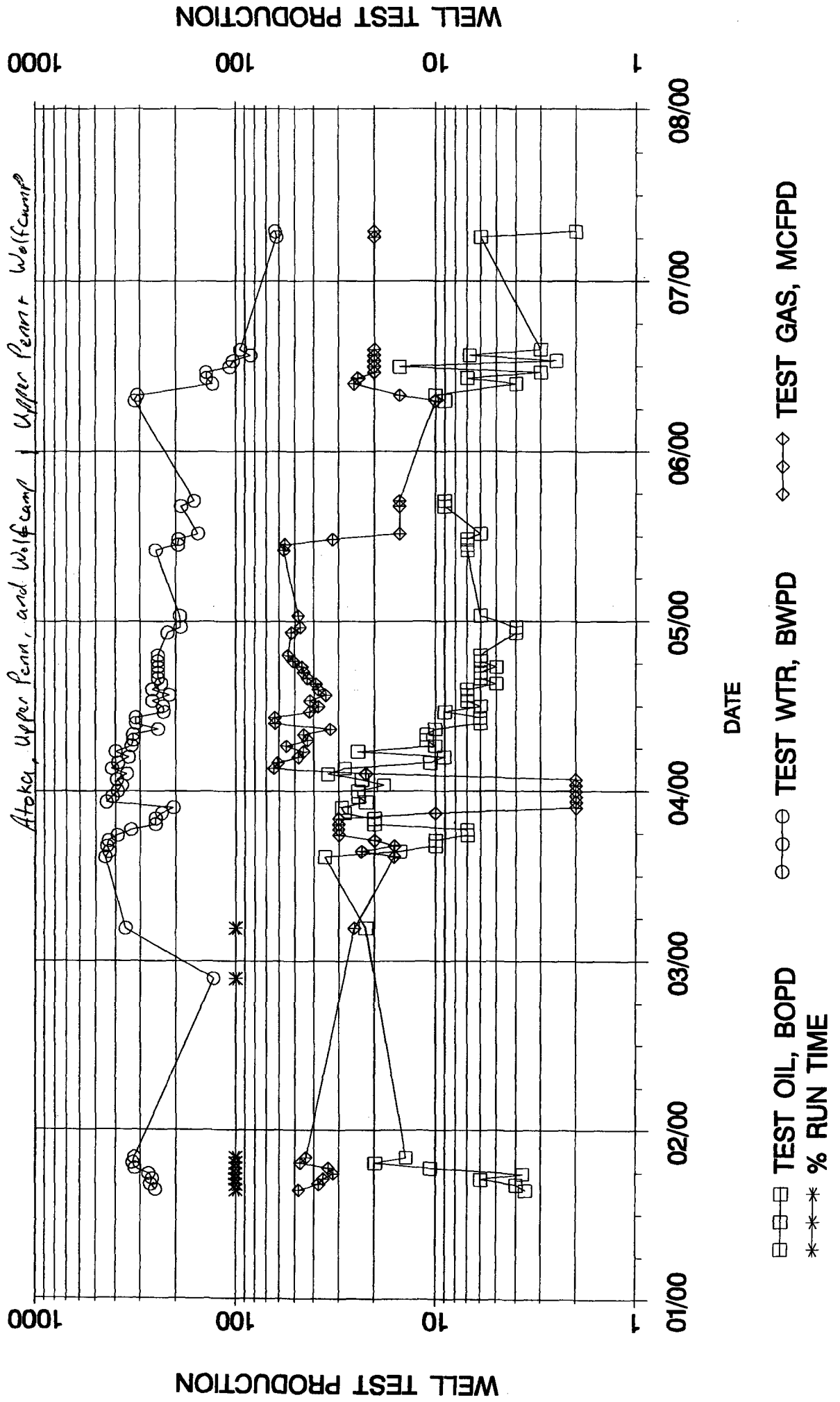
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APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

Midland Operations

Well Test Data (from 01/01/00 to current)

WARN STATE A/C 2 WARN STATE A/C 2 - NO.26



State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 Pacheco St.
Santa Fe, NM 87505

Form C-116
Revised 1/1/89

Submit 2 copies to Appropriate District Office.
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240
DISTRICT II
811 S. 1st Street, Artesia, NM 88210-2834
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

GAS - OIL RATIO TEST

Operator Marathon Oil Company		Pool Vacuum; Wolfcamp / Upper Penn		County Lea										
Address P.O. Box 2409, Hobbs, NM 88240		TYPE OF TEST - (X)		Completion <input type="checkbox"/> Special <input checked="" type="checkbox"/>										
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 CUFT/BBL	
		U	S	T						R	WATER BBL.S.	GRAV. OIL		OIL BBL.S.
Warn State A/C 2	26	E	6	18S	35E	6/18/00	P			24	84	7	20	2857
DHC No. 2083 011x Gasx														
Wolfcamp 29 35										43		2	7	3500
Upper Penn 71 65										41		5	13	2600
For Information Only														

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.

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

Andrew J. Schwandt
Signature

Andrew J. Schwandt Production Engineer

Printed name and title

July 12, 2000

Date

393-7106

Telephone No.

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

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

DISTRICT II
811 South First St., Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 S. Pacheco
Santa Fe, New Mexico 87505-6429

Form C-107-A
New 3-12-96

APPROVAL PROCESS:

___ Administrative ___ Hearing

EXISTING WELLBORE

X YES ___ NO

APPLICATION FOR DOWNHOLE COMMINGLING

Operator Marathon Oil Company PO Box 2490 Address Hobbs, NM 88240

Case Warn State A/C 2 Well No. 26 UL E, Sec. 6, T-18-S, R-35-E Lea County

OGRID NO. 014021 Property Code 6484 API NO. 30-025-33541 Spacing Unit Lease Types: (check 1 or more)
Federal ___ State X (and/or) Fee ___

The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate Zones	Lower Zone
1. Pool Name and Pool Code	Wolfcamp 62340		Upper Penn 62320
2. Top and Bottom of Pay Section (Perforations)	9495 - 9695'		10,007 - 10,317'
3. Type of production (Oil or Gas)	Oil		Oil
4. Method of Production (Flowing or Artificial Lift)	Artificial Lift		Artificial Lift
5. Bottomhole Pressure Oil Zones - Artificial Lift: Gas & Oil - Flowing: Estimated Current All Gas Zones: Measured Current Estimated Or Measured Original	a. (Current) 500 b. (Original) 3375	a. b.	a. 500 b. 4700
6. Oil Gravity (° API) or Gas BTU Content	42°		37°
7. Producing or Shut-In?	Producing		Producing
Production Marginal? (yes or no)	Yes		Yes
* If Shut-In, give date and oil/gas/water rates of last production Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data * If Producing, give date and oil/gas/water rates of recent test (within 60 days)	Date: Rates: Date: 2/7/43 Rates: 6/5/00	Date: Rates: Date: Rates:	Date: Rates: Date: 5/13/41 Rates: 6/1/00
8. Fixed Percentage Allocation Formula - % for each zone	Oil: 29 % Gas: 35 %	Oil: % Gas: %	Oil: 71 % Gas: 65 %

9. If allocation formula is based upon something other than current or past production, or is based upon some other method, submit attachments with supporting data and/or explaining method and providing rate projections or other required data.
10. Are all working, overriding, and royalty interests identical in all commingled zones? X Yes ___ No
If not, have all working, overriding, and royalty interests been notified by certified mail? ___ Yes ___ No
Have all offset operators been given written notice of the proposed downhole commingling? ___ Yes X No
11. Will cross-flow occur? ___ Yes X No If yes, are fluids compatible, will the formations not be damaged, will any cross-flowed production be recovered, and will the allocation formula be reliable. ___ Yes ___ No (If No, attach explanation)
12. Are all produced fluids from all commingled zones compatible with each other? X Yes ___ No
13. Will the value of production be decreased by commingling? ___ Yes X No (If Yes, attach explanation)
14. If this well is on, or communitized with, state or federal lands, either the Commissioner of Public Lands or the United States Bureau of Land Management has been notified in writing of this application. X Yes ___ No
15. NMOCD Reference Cases for Rule 303(C) Exceptions: ORDER NO(S). _____
16. ATTACHMENTS:
* C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
* Production curve for each zone for at least one year. (If not available, attach explanation.)
* For zones with no production history, estimated production rates and supporting data.
* Data to support allocation method or formula.
* Notification list of all offset operators.
* Notification list of working, overriding, and royalty interests for uncommon interest cases.
* Any additional statements, data, or documents required to support commingling.

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

SIGNATURE Andrew J. Schwandt TITLE Production Eng. DATE 7/12/00

TYPE OR PRINT NAME Andrew J. Schwandt TELEPHONE NO. (505) 393-7106