DHC 7/17/00

Mid-Continent Region Production United States



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

June 22, 2000

Mr. David Catanach Oil Conservation Division 2040 South Pacheco Santa Fe, NM 87501

Re.

Request for Exception to Rule 303-A

Downhole Commingling Jicarilla Apache No. 3 990' FNL & 990" FWL

Unit Letter "D", Section 34, T-26-N, R-5-W

Chacra
Jicarilla Field

Rio Arriba County, New Mexico

Dear Mr. Catanach:

Marathon Oil Company requests administrative approval for an exception to Rule 303-A to permit the downhole commingling of production in the above subject well from the Chacra pool in Rio Arriba County, New Mexico. Marathon also requests a 30 day exception to Rule 303-A to permit the downhole commingling of production while awaiting for approval of this application. If this application is not approved, then the well will remain as a Chacra pool producer.

This pool represents marginal production. The well was drilled and completed in the Chacra pool in late 1955. In early 1963, the Chacra was perforated and stimulated. Plans are to perforate the Pictured Cliffs and downhole commingle both pools.

By downhole commingling the production from these two zones, production will be realized that could not economically justify the cost of equipment to separate the zones. Rod pumping equipment will be utilized to keep the PBHP as low as possible. Producing the well in this manner will allow complete development of the productive capacity of the well, prevent crossflow and extend the economic life of both completions, thereby preventing waste.

Enclosed is pertinent data to support this application as outlined in Rule 303-A. If additional information is necessary, please contact me at 915/687-8357.

Sincerely,

Jerry Fletcher

Engineering Technician

JF/dt enclosure District₂I

PO Box 1980, Hobbs, NM 88241-1980

District II

811 S. 1st Street, Artesia, NM 88210-2834

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

2040 South Pacheco, Santa Fe, NM 87505

¹ API Number

30-039-06260

State of New Mexico Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, NM 87505 Form C-102 Revised October 18, 1994 Instructions on back

Submit to Appropriate District Office

³ Pool Name

PICTURED CLIFFS

State Lease - 4 Copies

AMENDED REPORT

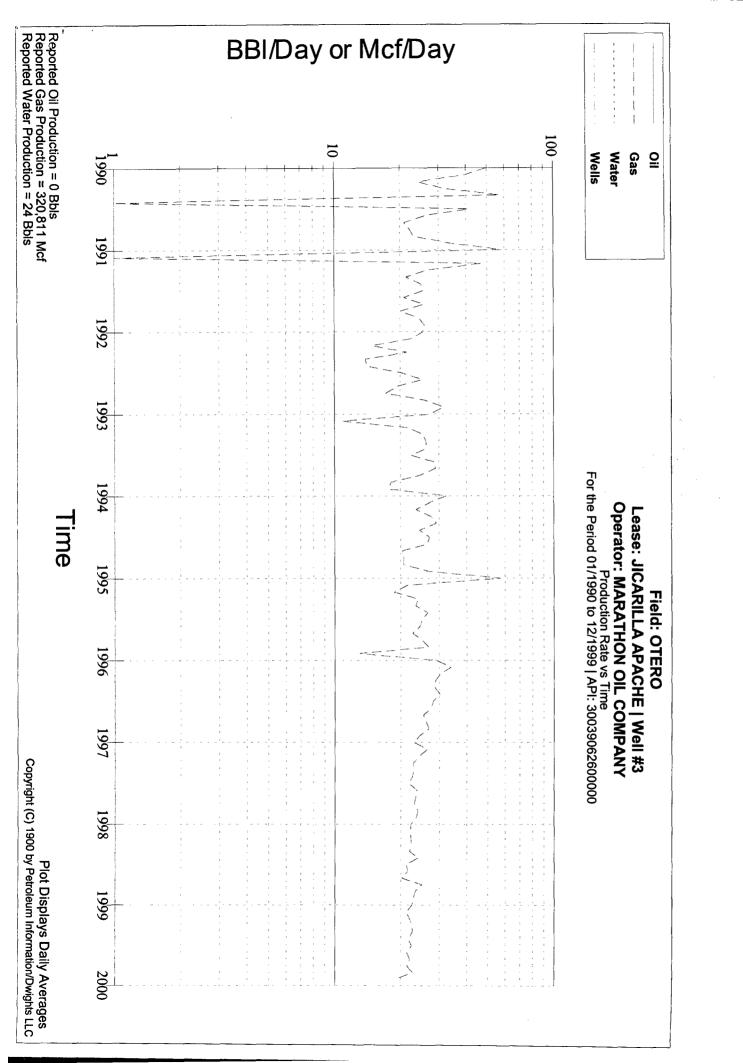
Fee Lease - 3 Copies

WELL.	LOCATION	AND	ACREAGE	DEDICATION	PLAT
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² Pool Code

72439

4 Property	Code				5 Property	y Nan	ne			6	Well Number
6414	4				JICARILL	A AP	ACHE			#	: 3
⁷ OGRID	No.				8 Operato	or Nan	ne			9	Elevation
1402	21				Marathon O	<u>il C</u>	company				6547 '
					10 Surface Lo	ocati	ion				
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District I

District II

811 South First Street, Artesia, NM 88210

District III 1000 Rio Brazos Road, Aztec, NM 87410

District IV 2040 South Pacheco, Santa Fe, NM 87505

Marathon Oil Co.

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-107A Revised May 15, 2000

OIL CONSERVATION DIVISION

2040 South Pacheco Santa Fe, New Mexico 87505

APPLICATION TYPE ___X Single Well
Establish Pre-Approved Pools
EXISTING WELLBORE

Midland, Tx.

TELEPHONE NO. (915) 687-8357

APPLICATION FOR DOWNHOLE COMMINGLING

P.O. Box 552

_x_Yes ___No

79702

		1					
DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE				
Pool Name	South Blanco Pictured Cliffs		Otero Chacra				
Pool Code	72439		82329				
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	2918 to 3034		3800 to 3822				
Method of Production (Flowing or Artificial Lift)	Artificial Lift		Artificial Lift				
Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)	300#		350#				
Oil Gravity or Gas BTU (Degree API or Gas BTU)	37 API		39 API				
Producing, Shut-In or New Zone	New Zone		Producing				
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.)	Date: N/A Rates:N/A	Date: N/A Rates: N/A	Date: N/A Rates: N/A				
Fixed Allocation Percentage (Note: If allocation is based upon something other	Oil Gas	Oil Gas	Oil Gas				
than current or past production, supporting data or explanation will be required.)	0.8 80 %	% %	0.0 % 20 %				
	ADDITIO	NAL DATA					
	ing royalty interests identical in all co overriding royalty interest owners be	ommingled zones?	Yes X No Yes N/A No N/				
Are all produced fluids from all commingled zones compatible with each other? Yes x No							
Will commingling decrease the value of production? Yes Nox							
If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands or the United States Bureau of Land Management been notified in writing of this application? Yes X No							
NMOCD Reference Case No. applic	eable to this well:						
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 working, royalty and overriding royalty interests for uncommon interest cases. Any additional statements, data or documents required to support commingling.							
	PRE-APPRO	OVED POOLS	,				
If application	is to establish Pre-Approved Pools, t	he following additional information w	vill be required:				
List of all operators within the propo	hole commingling within the propose osed Pre-Approved Pools oposed Pre-Approved Pools were pro						

Jerry Fletcher

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

DISTRICTIII

1000 Rio Brazos Rd., Aztec, NM 87410

Energy, Minerals and Natural Resources Department State of New Mexico

OIL CONSEVATION DIVISION 2040 Pacheco St. Santa Fe, NM 87505

Form C-116 **Revised 1/1/89**

GAS - OIL RATIO TEST

					1											
Operator						Pool						<u>ر</u>	County			
Marathon Oil Company						χ	outh	Blanco	South Blanco Pictured Cliffs	Cliffs				Rio	Rio Arriba	1
Address							ΤΥP	E OF]			
P.O. Box 552 Midland, TX 79702	02						TES:	TEST - (X)	Scheduled	×	ည	Completion		Sr	Special X	
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Jicarilla Apache	ω	đ	34	26N	5W	8-14-00	দ্য		65		24	0	A/N	0	88	W/N
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Instructions:

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

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.

Signature Printed name and title Date 9-14-00 Jerry Fletcher Engineer Tech. 915-687-8357 Telephone No.

complete to the best of my knowledge and belief.

I hereby certify that the above information is true and

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

811 S. 1st Street, Artesia, NM 88210-2834 Submit 2 copies to Appropriate District Office.

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

DISTRICTIII

1000 Rio Brazos Rd., Aztec, NM 87410

Energy, Minerals and Natural Resources Department State of New Mexico

Form C-116 **Revised 1/1/89**

OIL CONSEVATION DIVISION

2040 Pacheco St. Santa Fe, NM 87505

GAS - OIL RATIO TEST

Operator						Pool						ဂ	County			
Marathon Oil Company								Otero	Otero Chacra					Rio	Rio Arriba	
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(See Rule 301, Rule 1116 & appropriate pool rules.)

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

grature	Mary
	Flether

Jerry Fletcher

Printed name and title

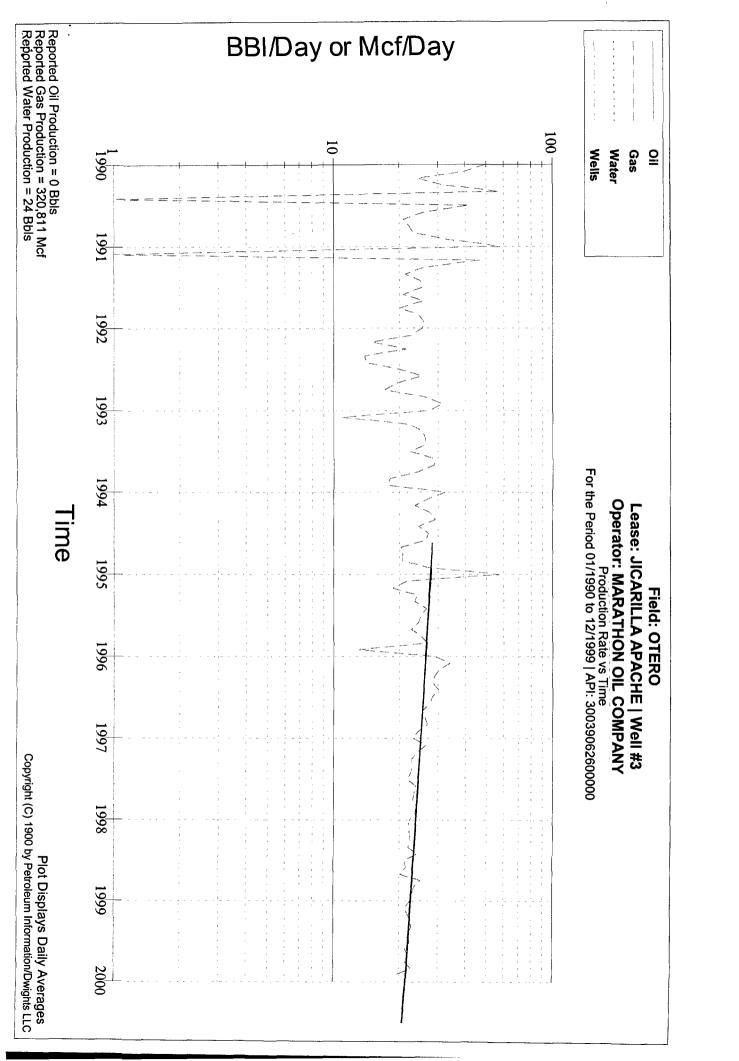
Date 9-14-00

915-687-8357 Telephone No.

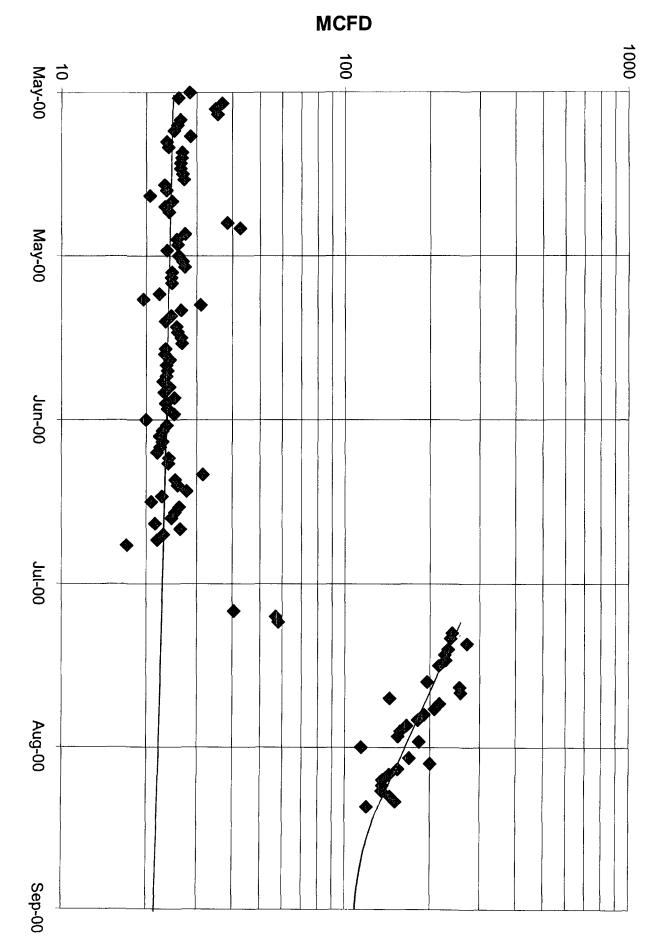




Subject Jicarilla Comminalina Allocation Percentances	Page No.	Of
Subject Jicavilla Commingling Allocation Percentages File	By WSL	Date 9/12/2000
Jicarilla Apacre #3		
Pre-workovor Otero Chara production = 22 MGT	> 23/10	= 20%
Estimated stabilized total rate = 110 MCFD		
Estimated Blanco South Pictured Cliffs rate = 88 MCFI	> > 88/10	= 80%
Total 110		
Tisasila Annho #17		
Ticarilla Apache #12 Pre-workero Basin Dakota production = 140 McFl) > 140	9 = 32.56%
Pre-workaver flavo Mesonode production = 30 MCFD + estimated Menofee addition of 100 MCFD	7430	= 30.23%
Estimated stubilized total rate = 430 MCFD		
Estimated Otero Chara rate = 160 MOFD	> 160/30	= 37.21%
Total 430 - Masswork - 130		
- Dakota - 140 - Chava 160		
Jicarilla Apache #16	85	- 22 97 9
The-Workover Basin Dakota production = 85 A		
fre-workerer Blanco Misquede production = 50 M + estimated Mentle addition of 75 M	1050 > 125/37	$\dot{j}=33.78\%$
Estimated stabilized total rule = 370,	MOD	
Grimated Otero Chava rate = 160 M	NUFD > 1603	70 = 43.25%
Total 370 - Mesavode - 125		
$\begin{pmatrix} - \text{Dakotn} \\ - \text{Chava} \end{pmatrix} - 85$ $= \text{Chava} = \frac{160}{160}$		
Form 10113 Rev. 3-99		



Jicarilla Apache #3



Mid-Continent Region Production United States





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

7 ps

Mr. David Catanach Oil Conservation Division 2040 South Pacheco Santa Fe, N.M. 87501

Re: Production data

Dear Mr. Catanach,
As per our phone conversation on 7-19-00 the fixed allocation percentage will be submitted after testing each zone.
Thanks for all your help in this matter.

Regards,

Jerry Fletcher 915-687-8357