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. 12 800' FNL & 800" FEL

Unit Letter "A", Section 33, T-26-N, R-5-W

Basin Dakota & Mesa Verde

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 Basin Dakota and the Mesa Verde Point Lookout pools 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 dual producer for the Mesa Verde and Basin Dakota pools.

These two pools represent marginal production. The well was drilled and completed in the Basin Dakota pool in late 1967. In early 1994, the Mesa Verde was perforated and stimulated. Plans are to perforate the Menefee and Chacra and downhole commingle all four pools.

By downhole commingling the production from these four 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** 

Juny Flethia

JF/dt enclosure

PO Box 1980, Hobbs, NM 88241-1980

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

<sup>4</sup> Property Code

<sup>1</sup> API Number

30-039-20002

#### 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 State Lease - 4 Copies Fee Lease - 3 Copies

<sup>3</sup> Pool Name

MENEFEE

AMENDED REPORT

<sup>6</sup> Well Number

12

#### WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>5</sup> Property Name

Mesa Verde

<sup>2</sup> Pool Code

72319

6414		JICARILLA APACHE 12										
7 OGRID 1	No.	8 Operator Name 9 Elevar								Elevation		
1402:	1.				Marat	hon Oil	Company				(	G.L. 6541
					10 Surf	ace Loca	tion				·	
UL or lot no.	Section	Township	Range	Lot. Idn	Feet	from the	North/So	uth Line	Feet from the	East/W	est line	County
"A"	33	26N	5W			8001	NO	RTH	800'	800' EA		RIO ARRIBA
			11 Bott	tom Hol	e Locati	on If Diff	erent Fro	om Surf	ace			
UL or lot no.	Section	Township	Range	Lot. Idn	Feet	from the	North/So	uth Line	Feet from the	East/W	est line	County
12 Dedicated Acres	<sup>13</sup> Joint	or Infill 14	Consolidation	Code 15	<sup>5</sup> Order No	•						
160				l.								
NO ALLOV	WABLE V								ERESTS HAVE THE DIVISIO		CONS	SOLIDATED
		Dedicar Acree	ted age						I hereby certify the true and complete true and	CHER  CHER	EERTI locations of action, and belief.	FICATION In contained herein is knowledge and belief.  FICATION ON shown on this plate that surveys made by that the same is true that the same is true.
									Certificate Number	r		

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

<sup>4</sup> Property Code

6414

7 OGRID No.

1 API Number

30-039-20002

#### 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

<sup>3</sup> Pool Name

CHACRA

State Lease - 4 Copies Fee Lease - 3 Copies

AMENDED REPORT

<sup>6</sup> Well Number

Elevation

# 12

#### WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>5</sup> Property Name

JICARILLA APACHE

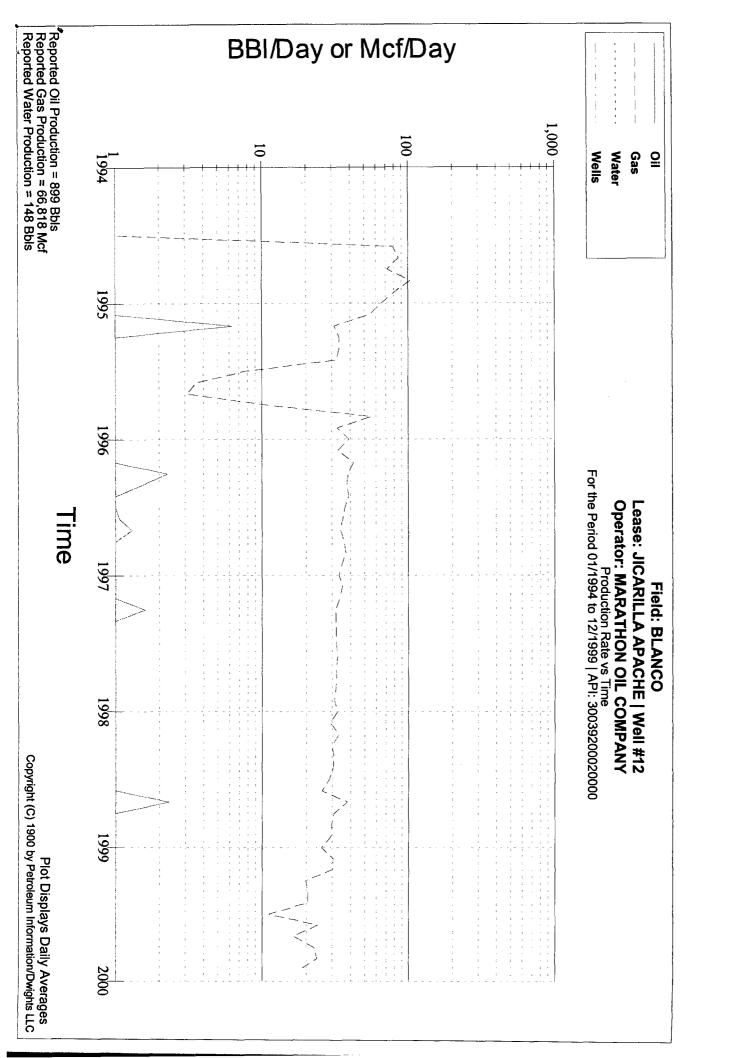
8 Operator Name

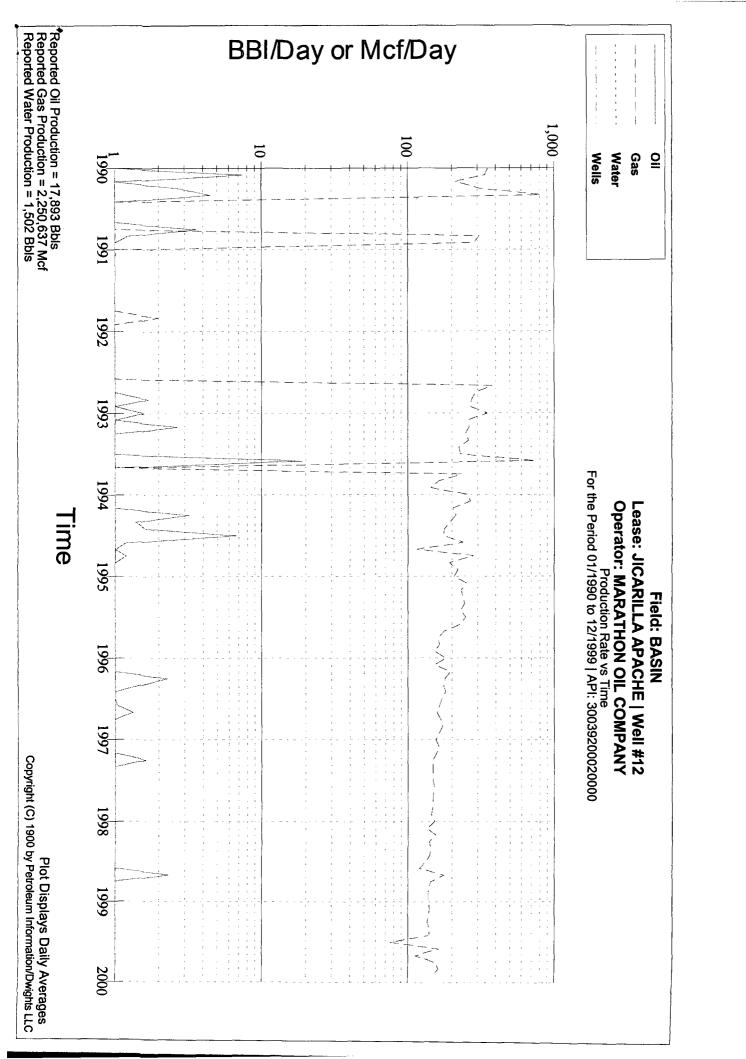
Otero

<sup>2</sup> Pool Code

82329

1402	14021 Marathon Oil Company G.L. 6541									G.L. 6541	
					10 5	Surface I	Locati	on			
UL or lot no.	Section	Township	Range	Lot. Idn		Feet from t	he	North/South Line	Feet from the	East/West line	County
"A"	33	26N	5W			800	.	NORTH	י008	EAST	RIO ARRIBA
			11 Bott	tom Hol	le Lo	cation If	Diffe	rent From Surf	ace		
UL or lot no.	Section	Township	Range	Lot. Idn	١	Feet from t	the	North/South Line	Feet from the	East/West line	County
12 Dedicated Acres 13 Joint or Infill 14 Consolidation Code 15 Order No.											
160				<u>_</u>				<u></u>			
NO ALLOV	WABLE V							NTIL ALL INT APPROVED BY			SOLIDATED
		Dedica Acred	ted 2ge p					800'	Signature  Signature  JERRY FLET  Printed Name  ENGINEER T  Title  Date  18 SURVE  I hereby certify twas plotted from me or under my and correct to the terms.  N/A  Date of Survey	YOR CERT hat the well locat field notes of a supervision, and best of my belief.	FICATION  ion shown on this plat chal surveys made by that the same is true





District II

District IV

811 South First Street, Artesia, NM 88210

District III

2040 South Pacheco, Santa Fe, NM 87505

#### State of New Mexico Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 South Pacheco Santa Fe, New Mexico 87505

APPLICATION TYPE X Single Well **Establish Pre-Approved Pools** EXISTING WELLBORE

Form C-107A

Revised May 15, 2000

# APPLICATION FOR DOWNHOLE COMMING

N	FOR DO	JWNH	OLE C	COMMINGLING	X_YesNo				
	P.O.	Box	552	Midland, Tx.	79702				

Marathon O	il Company	7	P.O. Box 552 Midland, Tx. 79702					
Operator			Address					
Jicarilla	Apache #	12 U.L.	"A" Sec. 33, T-26N,R-5W	Rio Arriba				
Lease		Well No.	Unit Letter-Section-Township-Range	County				
OGRID No. 14	021 Property C	ode <u>6414</u> A	PI No. 30-039-2002 Lease Type: X	FederalFee				

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE		
Pool Name	Chacra	Menefee/Mesa Verde	Dakota		
Pool Code	82329	72319	71599		
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	3776 to 3803	4700 to 5262	7074 to 7303		
Method of Production (Flowing or Artificial Lift)	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#	325#	350#		
Oil Gravity or Gas BTU (Degree API or Gas BTU)	38 API	38 API	39 API		
Producing, Shut-In or New Zone  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.)	New Zone  Date: N/A  Rates: N/A	New Zone  Date: N/A  Rates: N/A	Producing  Date: N/A  Rates: N/A		
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	Oil Gas  % % 0.0 15	Oil Gas % 0.0 60	Oil Gas % 0.0 25		

### **ADDITIONAL DATA**

Are all working, royalty and overriding royalty interests identical in all commingled zones?  If not, have all working, royalty and overriding royalty interest owners been notified by certified mail?	Yes Yes		No_N	/A
Are all produced fluids from all commingled zones compatible with each other?	Yes	X	No	<u></u>
Will commingling decrease the value of production?	Yes_		No	_ <u>X</u> _
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. applicable 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-APPROVED POOLS

If application is to establish Pre-Approved Pools, the following additional information will be required:

List of other orders approving downhole commingling within the proposed Pre-Approved Pools List of all operators within the proposed Pre-Approved Pools Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application. Bottomhole pressure data.

I hereby certify that the information above is true and of	complete to the best of my knowledge and beli	ef.	
SIGNATURE Juny Flittley	TITLE Engineer Tech.	_DATE	6-23-00

TYPE OR PRINT NAME Jerry Fletcher TELEPHONE NO. (915) 687-8357



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. 12
800' FNL & 800" FEL
Unit Letter "A", Section 33, T-26-N, R-5-W
Basin Dakota & Mesa Verde
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 Basin Dakota and the Mesa Verde Point Lookout pools 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 dual producer for the Mesa Verde and Basin Dakota pools.

These two pools represent marginal production. The well was drilled and completed in the Basin Dakota pool in late 1967. In early 1994, the Mesa Verde was perforated and stimulated. Plans are to perforate the Menefee and Chacra and downhole commingle all four pools.

By downhole commingling the production from these four 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** 

leng Flethles

JF/dt enclosure 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

Fee Lease - 3 Copies

State Lease - 4 Copies

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

District I

District II

PO Box 1980, Hobbs, NM 88241-1980

AMENDED REPORT

		WE	LL LOC	ATIO	N AN	D ACR	EAC	GE DEDICA	TION PLAT	Γ		
1	API Numb	er		<sup>2</sup> Pool	Code		<sup>3</sup> Pool Name					
30	-039-20	002	8:	2329 Otero					CHACRA	CHACRA		
<sup>4</sup> Property	Code					<sup>5</sup> Propert	ty Nam	ne			6	Well Number
641	6414 JICARILLA APACHE # 12											
<sup>7</sup> OGRID	No.					8 Operato	<sup>8</sup> Operator Name <sup>9</sup> Elevation					Elevation
1402	21				Ma	Marathon Oil Company G.L. 6541					3.L. 6541	
•					<sup>10</sup> Surface Location							
UL or lot no.	Section	Township	Range	Lot. Id		Feet from th		North/South Line	Feet from the	East/W	est line	County
пДп	33	261	5W			1008		NORTH	800'	E	\ST	RIO ARRIBA
			11 Be	ottom H	ole Lo	cation If I	Diffe	erent From Surf	ace			
UL or lot no.	Section	Township	Range	Lot. lo	dn	Feet from th	ie	North/South Line	Feet from the	East/V	Vest line	County
12 Dedicated Acre	s 13 Join	nt or Infill	14 Consolidat	ion Code	15 Ord	er No.		<del> </del>				
160									<del></del>			
NO ALLO	WABLE							NTIL ALL INT APPROVED BY			ON:	SOLIDATED
			cated reage					`8 ⊗ 8 <b>∞</b> ′	OPERATOR CERTIFICATION  I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief  Signature  JERRY FLETCHER  Printed Name			
	<u> </u>						*******		ENGINEER TECH. Title  Date  18 SURVEYOR CERTIFICATION			
									I hereby certify that the well location shown on the was plotted from field notes of actual surveys may me or under my supervision, and that the same is and correct to the best of my belief.  N/A  Date of Survey  Signature and Seal of Professional Surveyer:			ctual surveys made by that the same is true

Certificate Number

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

#### 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 State Lease - 4 Copies Fee Lease - 3 Copies

AMENDED REPORT

			WEI	LL LOCA	ATION	A	ND ACE	ŒAG	SE DEDICA	TION PLA	I .				
<sup>1</sup> API Number <sup>2</sup> Poo						<sup>2</sup> Pool Code <sup>3</sup> Pool Name									
30	-039-2	0002			72	319				Basin Dako	ota				
<sup>4</sup> Property	Code						<sup>5</sup> Prope	rty Nam	e			6 1	Well Number		
6414	4		JICARILLA APACHE # 12												
7 OGRID	No.		8 Operator Name 9 Elevation							Elevation					
_1402	21			-		M	arathon	oil c	ompany				G.L. 6541		
	<sup>10</sup> Surface Location														
UL or lot no.	Section	T	ownship	Range			Feet from t		North/South Line	Feet from the	East/W	est line	County		
"A"	33		26N	5W_			800	<u>.                                    </u>	NORTH	8001	E.	ST	RIO ARRIBA		
				<sup>11</sup> Bo	ttom H	ole L	ocation If	Diffe	rent From Surf	ace					
UL or lot no.	Section	T	ownship	Range	Lot. Id	ln	Feet from	the	North/South Line	Feet from the	East/V	est line	County		
			-		1					ļ		ļ			
12 Dedicated Acres	s 13 Jo	oint or	Infill	14 Consolidation	on Code	15 Or	der No.				1				
320 E/2						l									
	WARI	F WI	II BE	ASSIGNE	O TO T	HS C	OMPLET	ION U	NTIL ALL INT	ERESTS HAVE	BEEN	I CONS	SOLIDATED		
NO ALLO	WADD.	L **I							APPROVED BY			1 00112	000011100		
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		1											FICATION  n contained herein is		
									008				knowledge and belief.		
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Acrea	ige	1	_	7					6-20-						
	•								800'						
										Jun Fletty					
		+			<u> </u>			1			fu	uy			
					1					Signature JERRY FLET	Y TUPO				
										Printed Name	CHER				
	÷	}						ļ		ENGINEER T	ECH.				
					l					Title					
					1					07-19-00					
		+			<b> </b>					Date					
					1					18 SURVE	YOR	CERTI	FICATION		
										I hereby certify t	hat the v	vell location	on shown on this plat tual surveys made by		
					l					me or under my	supervis	ion, and	that the same is true		
										and correct to the	oest oj <b>m</b> y	оенеј.	,		
					•										
										N/A					
-		+						<del> </del>		Date of Survey					
					i					Signature and Sea	l of Profe	ssional Su	rveyer:		
1					I										
													•		
		- 1			•			1		R I					

Certificate Number

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

#### 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 State Lease - 4 Copies Fee Lease - 3 Copies

AMENDED REPORT

Certificate Number

District II 811 South First Succe

District III

**District IV** 

State of New Mexico Energy, Minerals and Natural Resources Department

# OIL CONSERVATION DIVISION

2040 South Pacheco Santa Fe, New Mexico 87505 Revised May 15, 2000

Form C-107A

APPLICATION TYPE X Single Well

Establish Pre-Approved Pools

2040 South Pacificco, Sauta Pc, NM 87505	APPLICATION FOR D	OWNHOLE COMMINGLING	EXISTING WELLBOR No
Marathon Oil Comp		Box 552 Midland, To	79702
Operator Jicarilla Apache	# 12 U.L. "A" Se	Address ⊇C. 33, T-26N,R-5W	Rio Arriba
Lease		er-Section-Township-Range	County
OGRID No. 14021 Property		039-2002 Lease Type: 2	-
DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	Chacra	Menefee/Mesa Verde	Dakota
Pool Code	82329	72319	71599
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	3776 to 3803	4700 to 5262	7074 to 7303
Method of Production (Flowing or Antificial Lift)	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#	325#	350#
Oil Gravity or Gas BTU (Degree API or Gas BTU)	38 API	38 API	39 API
Producing, Shut-In or New Zone	New Zone	New Zone	December
Date and Oil/Gas/Water Rates	NO# 2011C	New Zone	Producing
of Last Production. Note: For new zones with no production history,	Date: N/A	Date: N/A	Date: N/A
pplicant shall be required to attach production stimutes and supporting data.)	Rates: N/A	Rates: N/A	Rates: N/A
ixed Allocation Percentage  Note: If allocation is based upon something other	Oil Gas	Oil Gas	Oil Gas
hap current or past production, supporting data or explanation will be required.)	0.0 37.21 %	0.0 30.23	% 32.56 %
	ADDITION	NAL DATA	
Are all working, royalty and overridi f not, have all working, royalty and	ng royalty interests identical in all con overriding royalty interest owners been	nmingled zones? n notified by certified mail?	Yes X No No N/A
are all produced fluids from all com	mingled zones compatible with each o	ther?	Yes_XNo
Vill commingling decrease the value	of production?		Yes No
f this well is on, or communitized wi r the United States Bureau of Land I	ith, state or federal lands, has either the Management been notified in writing o	e Commissioner of Public Lands of this application?	Yes_x No
IMOCD Reference Case No. applica	ble to this well:		
Attachments:		1. 11	

#### PRE-APPROVED POOLS

If application is to establish Pre-Approved Pools, the following additional information will be required:

List of other orders approving downhole commingling within the proposed Pre-Approved Pools List of all operators within the proposed Pre-Approved Pools Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application. Bottomhole pressure data.

Notification list of working, royalty and overriding royalty interests for uncommon interest cases.

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.

Any additional statements, data or documents required to support commingling.

Data to support allocation method or formula.

I hereby certify that the macron notice is and complete to	
SIGNATURE Jun 7 Milling Title E	Ingineer Tech DATE 9-14-00
Jerry Fletcher	TELEPHONE NO. (915 ) 687-8357

#### District I 1625 N. Frauch Drive, Hobbs, NM 88240

District II 811 South First Street, Artesia, NM 88210

District III
1000 Rio Brazos Road, A

District IV 2040 South Pacheco, Santa Fc, NM 87505

TYPE OR PRINT NAME Jerry Fletcher

#### State of New Mexico Energy, Minerals and Natural Resources Department

Form C-107A Revised May 15, 2000

APPLICATION TYPE

#### OIL CONSERVATION DIVISION

2040 South Pacheco Santa Fe, New Mexico 87505 \_\_\_x Single Well Establish Pre-Approved Pools EXISTING WELLBORE

APPLICATION FOR DOWNHOLE COMMINGLING

\_\_x\_ Yes \_\_\_\_No

Marathon Oil Compa	ny P.O.	Box 552 Midland, Tx	79702
Operator  Address  Jicarilla Apache # 12 U.L. "A" Sec. 33, T-26N,R-5W Rio Arriba			
Lease Well No. Unit Letter-Section-Township-Range County			
OGRID No. 14021 Property Code 6414 API No. 30-039-2002 Lease Type: X FederalStateFee			
DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	Chacra	Menefee/Mesa Verde	Dakota
Pool Code	82329	72319	71599
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	3776 to 3803	4700 to 5262	7074 to 7303
Method of Production (Flowing or Artificial Lift)	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#	325#	350#
Oil Gravity or Gas BTU (Degree API or Gas BTU)	38 API	38 API	39 API
Producing, Shut-In or New Zone	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	Date: N/A	Date: N/A	Date: N/A
estimates and supporting data.)	Rates: N/A	Rates: 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.)	0.0% N/A %	0.0 % N/A %	0.0 N/A %
ADDITIONAL DATA			
Are all working, royalty and overriding royalty interests identical in all commingled zones?  Yes_X_No			
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail?  Yes No No			Yes_N/A_No_N/A_
Are all produced fluids from all commingled zones compatible with each other?			Yes_X No
Will commingling decrease the value of production?  Yes No y			
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			Yes_x No
NMOCD Reference Case No. applicable 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.			
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I hereby certify that the information above is true and complete to the best of my knowledge and belief.			
SIGNATURE Jun 71	tille Title En	gineer Tech	DATE6_23_00

TELEPHONE NO. (915) 687-8357