

57727

Mid-Continent Region
Production United States



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

2786

JUL 24 1980

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



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON

Governor

Jennifer A. Salisbury

Cabinet Secretary

July 13, 2000

Lori Wrotenbery

Director

Oil Conservation Division

Marathon Oil Company

P.O. Box 552

Midland, Texas 79702-0552

Attention: Mr. Jerry Fletcher

Re: Form C-107-A

Jicarilla Apache No. 12

Dear Mr. Fletcher:

I have reviewed your application to downhole commingle Blanco-Mesaverde, Basin-Dakota and Otero-Chacra Gas Pool production within the Jicarilla Apache No. 12, and have determined that additional information will be required prior to processing this application. Your application seeks to allocate 60 percent of the gas to the Blanco-Mesaverde Gas Pool, 25 percent of the gas to the Basin-Dakota Gas Pool, and 15 percent of the gas to the Otero-Chacra Gas Pool. The only production data contained in your application are production plots from the Blanco-Mesaverde and Basin-Dakota Gas Pools. In addition, the Form C-102 for the Basin-Dakota Gas Pool is missing, and the Form C-102 for the Blanco-Mesaverde Gas Pool is not correct.

Please provide production data to support your proposed production allocation as required by Form C-107-A. In addition, please provide the missing and corrected Form C-102's. Your application will be reconsidered after receipt of this data.

If you should have any questions, please contact me at (505) 827-8184.

Sincerely,

David Catanach
Engineer

Xc: OCD-Aztec

Bureau of Land Management-Farmington



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,

A handwritten signature in cursive script, appearing to read 'Jerry Fletcher'.

Jerry Fletcher
Engineering Technician

JF/dt
enclosure

District I
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

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | |
|--|---|---|
| ¹ API Number 30-039-20002 | ² Pool Code 82329 | ³ Pool Name Otero CHACRA |
| ⁴ Property Code 6414 | ⁵ Property Name JICARILLA APACHE | ⁶ Well Number # 12 |
| ⁷ OGRID No. 14021 | ⁸ Operator Name Marathon Oil Company | ⁹ Elevation G.L. 6541 |

¹⁰ Surface Location

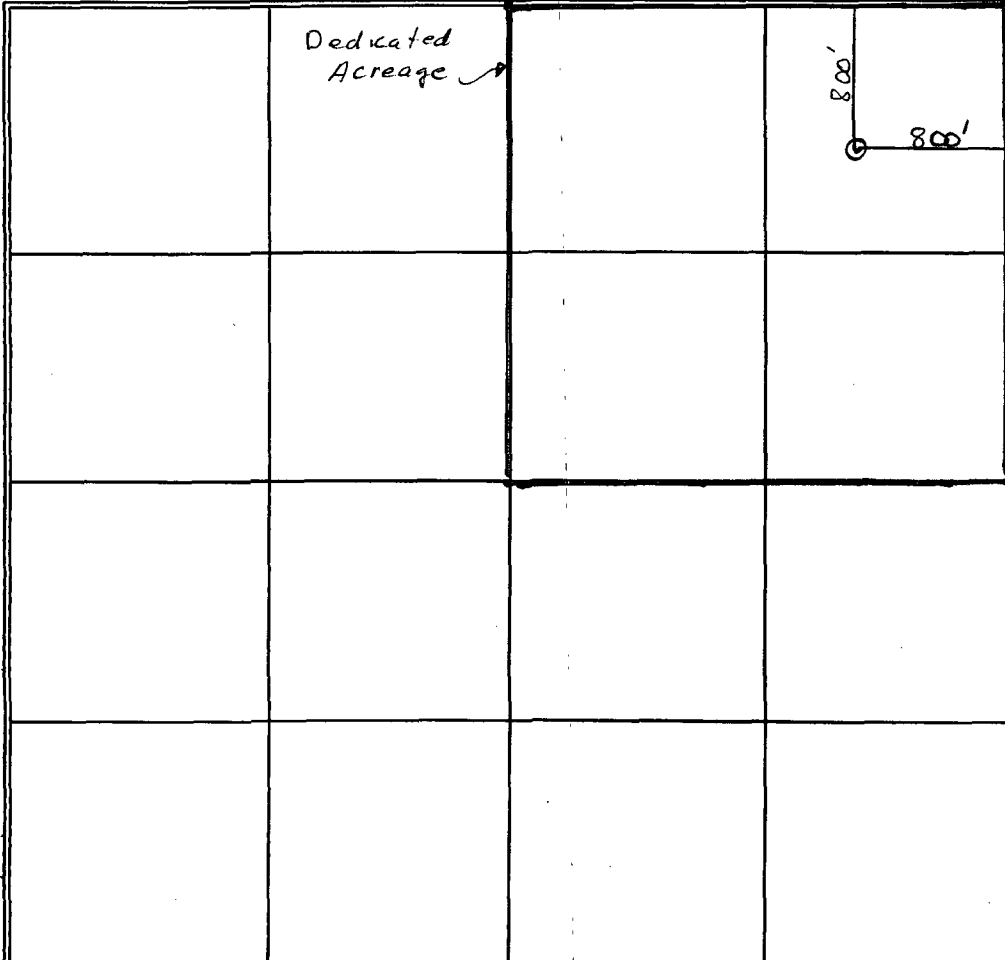

| | | | | | | | | | |
|-----------------------------|----------------------|------------------------|--------------------|----------|------------------------------|----------------------------------|------------------------------|-------------------------------|-----------------------------|
| UL or lot no. "A" | Section 33 | Township 26N | Range 5W | Lot. Idn | Feet from the 800' | North/South Line NORTH | Feet from the 800' | East/West line EAST | County RIO ARRIBA |
|-----------------------------|----------------------|------------------------|--------------------|----------|------------------------------|----------------------------------|------------------------------|-------------------------------|-----------------------------|

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 |
|---------------|---------|----------|-------|----------|---------------|------------------|---------------|----------------|--------|

| | | | |
|---|-------------------------------|----------------------------------|-------------------------|
| ¹² Dedicated Acres 160 | ¹³ Joint or Infill | ¹⁴ Consolidation Code | ¹⁵ Order No. |
|---|-------------------------------|----------------------------------|-------------------------|

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

| | |
|--|--|
|  | ¹⁷ OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i>  Signature JERRY FLETCHER Printed Name ENGINEER TECH. Title Date |
| | ¹⁸ SURVEYOR CERTIFICATION <i>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.</i> N/A Date of Survey Signature and Seal of Professional Surveyer: Certificate Number |
| | |

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised October 18, 1994

District I
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

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Instructions on back
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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | |
|--|---|---|
| ¹ API Number 30-039-20002 | ² Pool Code 72319 | ³ Pool Name Basin Dakota |
| ⁴ Property Code 6414 | ⁵ Property Name JICARILLA APACHE | ⁶ Well Number # 12 |
| ⁷ OGRID No. 14021 | ⁸ Operator Name Marathon Oil Company | ⁹ Elevation G.L. 6541 |

| ¹⁰ Surface Location | | | | | | | | | |
|--------------------------------|----------------------|------------------------|--------------------|----------|------------------------------|----------------------------------|------------------------------|-------------------------------|-----------------------------|
| UL or lot no. "A" | Section 33 | Township 26N | Range 5W | Lot. Idn | Feet from the 800' | North/South Line NORTH | Feet from the 800' | East/West line EAST | County RIO ARriba |

| 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 |
| ¹² Dedicated Acres 320 E/2 | ¹³ Joint or Infill | ¹⁴ Consolidation Code | ¹⁵ Order No. | | | | | | |

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

| | | |
|---|--|---|
| <p><i>Dedicated Acreage</i></p> <p>320 E/2</p> | | ¹⁷ OPERATOR CERTIFICATION |
| | | <p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i></p> <p><i>[Signature]</i></p> <p>Signature JERRY FLETCHER</p> <p>Printed Name ENGINEER TECH.</p> <p>Title 07-19-00</p> <p>Date</p> |
| | | ¹⁸ SURVEYOR CERTIFICATION |
| | | <p><i>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.</i></p> <p>N/A</p> <p>Date of Survey</p> <p>Signature and Seal of Professional Surveyer:</p> <p>Certificate Number</p> |

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised October 18, 1994

District I
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Santa Fe, NM 87505

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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | |
|--|---|--|
| ¹ API Number 30-039-20002 | ² Pool Code 72319 | ³ Pool Name Blanco Mesa Verde |
| ⁴ Property Code 6414 | ⁵ Property Name JICARTILLA APACHE | ⁶ Well Number # 12 |
| ⁷ OGRID No. 14021 | ⁸ Operator Name Marathon Oil Company | ⁹ Elevation G.L. 6541 |

¹⁰ Surface Location

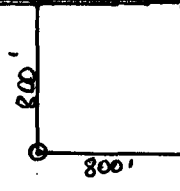

| | | | | | | | | | |
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|-----------------------------|----------------------|------------------------|--------------------|----------|------------------------------|----------------------------------|------------------------------|-------------------------------|-----------------------------|

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 |
|---------------|---------|----------|-------|----------|---------------|------------------|---------------|----------------|--------|

| | | | |
|---|-------------------------------|----------------------------------|-------------------------|
| ¹² Dedicated Acres 320 E/2 | ¹³ Joint or Infill | ¹⁴ Consolidation Code | ¹⁵ Order No. |
|---|-------------------------------|----------------------------------|-------------------------|

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OR A NON--STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

| | | |
|--|--|---|
| Dedicated Acreage 320 E/2 |  | ¹⁷ 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 ENGINEER TECH. Title 07-19-00 Date |
| | | 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. N/A Date of Survey Signature and Seal of Professional Surveyer: |
| | | Certificate Number |

District I
1625 N. French Drive, Hobbs, NM 88240
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

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

☒ Single Well
Establish Pre-Approved Pools
EXISTING WELLBORE
☒ Yes ☐ No

APPLICATION FOR DOWNHOLE COMMINGLING

Marathon Oil Company 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: ☒ Federal ☐ State ☐ Fee

| 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 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 than current or past production, supporting data or explanation will be required.) | Oil Gas 0.0 % N/A % | Oil Gas 0.0 % N/A % | Oil Gas 0.0 % N/A % |

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones? Yes ☒ No ☐
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail? Yes ☐ N/A No ☐ N/A
Are all produced fluids from all commingled zones compatible with each other? Yes ☒ No ☐
Will commingling decrease the value of production? Yes ☐ No ☒
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 ☒ 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 complete to the best of my knowledge and belief.

SIGNATURE Jerry Fletcher TITLE Engineer Tech. DATE 6-23-00
TYPE OR PRINT NAME Jerry Fletcher TELEPHONE NO. (915) 687-8357