

DHC 3/22/00

Mid-Continent Region
Production United States



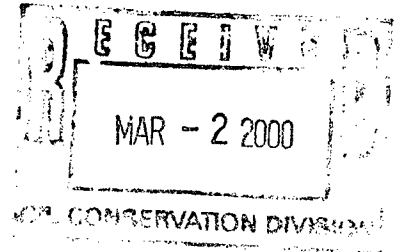
**Marathon
Oil Company**

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

2692

February 28, 2000

Mr. David Catanach
Oil Conservation Department
2040 South Pacheco
Santa Fe, New Mexico 87501



RE: **Request for Exception to Rule 303-A
Downhole Commingling
Jicarilla Apache No. 14
900' FSL & 900' FWL
Unit Letter "M", Section 34, Township 26-N, Range 5-W
South Blanco Pictured Cliffs, Chacra, Blanco Mesa Verde & Basin Dakota
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 South Blanco Pictured Cliffs, Chacra, Blanco Mesa Verde & the Basin Dakota 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 from the South Blanco Pictured Cliffs and Blanco Mesa Verde pools.

All four pools represent marginal production. The well was drilled and completed as a dual producer in the South Blanco Pictured Cliffs and Basin Dakota pools in 1968. In late 1999, perforations were added in the Blanco Mesa Verde. The Basin Dakota perforations were isolated, and the well was returned to dual production from the South Blanco Pictured Cliffs and the Blanco Mesa Verde. Plans are to remove the bridge plug isolating the Basin Dakota, perforate the 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) 687-8268.

Sincerely,

A handwritten signature in cursive script, appearing to read 'Tim L. Chase'.

Tim L. Chase
Advanced Engineer Technician

REQUEST FOR EXCEPTION TO RULE 303-A
Jicarilla Apache No. 14, Jicarilla Field

A: Operator

Marathon Oil Company
P.O. Box 552, Midland, Texas 79702-0552

B: Lease Name and Well Number

Jicarilla Apache No. 14
900' FSL & 900' FWL, Unit Letter "M", Section 34, Township 26-N, Range 5-W
Jicarilla Field, Rio Arriba County, New Mexico
South Blanco Pictured Cliffs, Chacra, Blanco Mesa Verde, Basin Dakota

C: Plats and Offset Operators

Plat attached. Offset operator list not attached since offset operators no longer need to be notified.

D: C-116's

Attached. 30-039-20140

E: Production Decline Curves

Attached

F: Estimated Current Bottomhole Pressures (PSI)

South Blanco Pictured Cliffs = 300, Chacra = 325, Blanco Mesa Verde = 350, Basin Dakota = 375

G: Product Characteristics

Previous commingling of these zones by Marathon and other operators in this area have shown that the produced fluids are compatible and commingling will not cause formation damage

H: Value

Marathon receives the same price for product from these zones, so value won't be adversely affected

I: Production Allocation

<u>POOL</u>	<u>BOPD</u>	<u>MCFPD</u>	<u>BWPD</u>	<u>Estimation Methods</u>
South Blanco PC	0	65	0	Current Production
Chacra	0	100	0	Post-Workover Estimate
Blanco Mesa Verde	16	306	9	Current Production
Basin Dakota	1	63	0	Production Before Shut-In
Total	17	534	9	

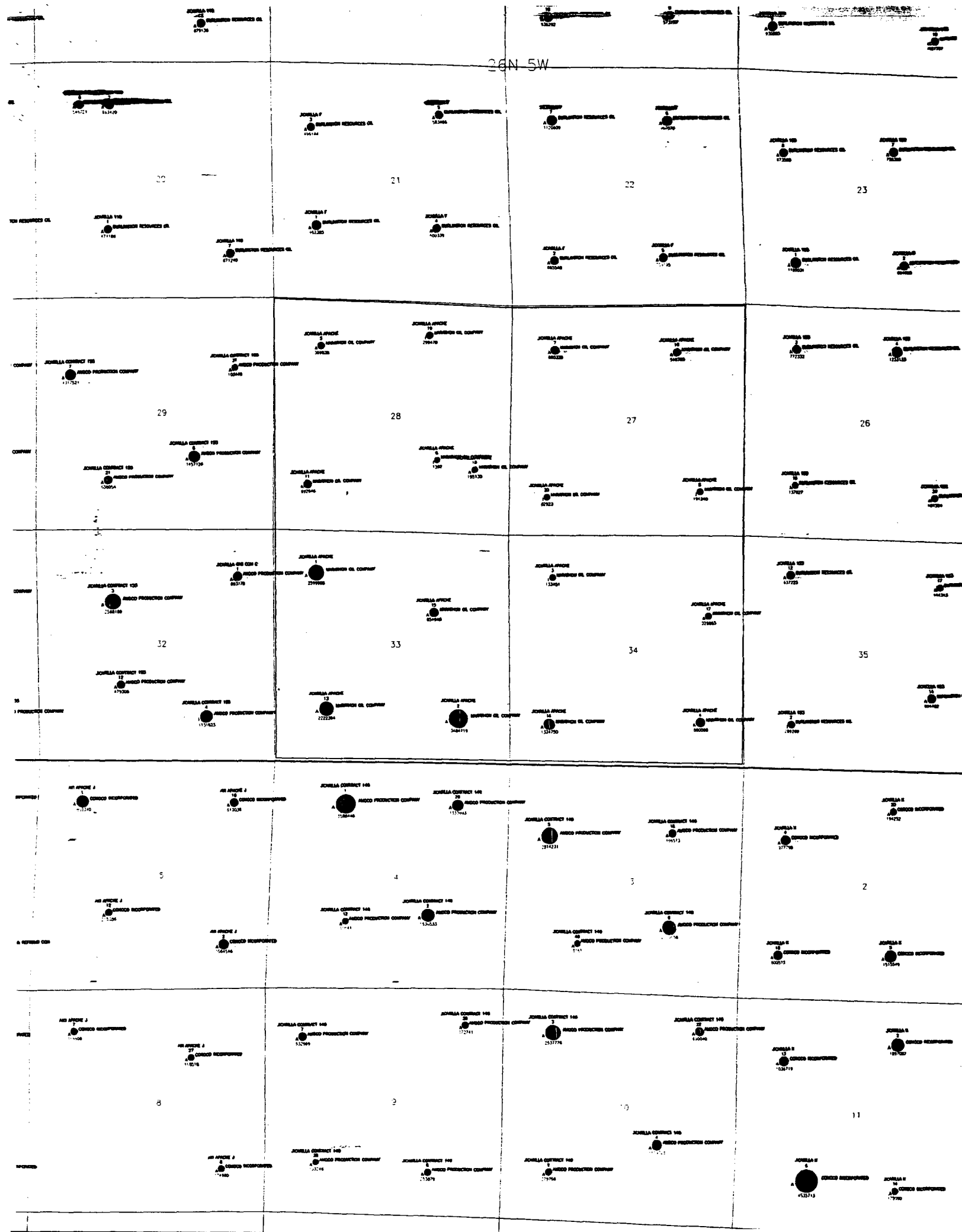
<u>Allocated %</u>	<u>Oil %</u>	<u>Gas %</u>	<u>Water %</u>
South Blanco PC	0.00	12.17	0.00
Chacra	0.00	18.73	0.00
Blanco Mesa Verde	94.12	57.30	100.00
Basin Dakota	5.88	11.80	0.00
Total	100.00	100.00	100.00

J: Ownership

Ownership of all zones is common and correlative rights will not be compromised

K: Offset Operator Notification

Offset operators are not provided with a copy of this application since they no longer need to be



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

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

GAS - OIL RATIO TEST

Operator Marathon Oil Company		Pool South Blanco Pictured Cliffs		County Rio Arriba										
Address P.O. Box 552 Midland, TX 79702		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 CU.FT/BBL	
		U	S	T						R	WATER BBL.S.	GRAV. OIL		OIL BBL.S.
Jicarilla Apache	14	M	34	26N	5W	12/15/99	F	31		24	0	0	65	N/A

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.


Signature

Tim L. Chase **Advanced Engineer Technician**
Printed name and title

2/9/00 **(915) 687-8268**
Date Telephone No.

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

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

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

GAS - OIL RATIO TEST

Operator Marathon Oil Company		Pool Blanco: Mesa Verde		County Rio Arriba											
Address P.O. Box 2490 Hobbs, NM 88240		TYPE OF TEST - (X)		SCHEDULED											
LEASE NAME Jicarilla Apache	WELL NO. 14	LOCATION			DATE OF TEST 1/4/00	STAGS F	CHOKE SIZE	TBG. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS 24	Completion <input checked="" type="checkbox"/> PRODUCTION DURING TEST				SPECIAL <input type="checkbox"/>
		U	S	T							R	WATER BBL'S.	GRAV. OIL	OIL BBL'S.	
		M	34	26N	5W	1/4/00	F				31	9	16	306	19,125

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.

Kelly Cook
Signature

Kelly Cook

Records Processor

Printed name and title

January 10, 2000

Date

393-7106

Telephone No.

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

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

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-116
Revised 1/1/89

OIL CONSERVATION DIVISION

2040 Pacheco St.
Santa Fe, NM 87505

GAS - OIL RATIO TEST

Operator Marathon Oil Company		Pool Basin Dakota		County Rio Arriba									
Address P.O. Box 552 Midland, TX 79702													
LEASE NAME Jicarilla Apache	WELL NO. 14	LOCATION			DATE OF TEST 11/19/99	CHOKE SIZE F	TBG. PRESS. 31	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS 24	Completion <input type="checkbox"/> Special <input checked="" type="checkbox"/>			
		U	S	T						R	WATER BBLs.	GRAV. OIL	OIL BBLs.
		M	34	26N	5W	11/19/99	F	31		0	1	63	N/A

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.

Signature

Tim L. Chase
Printed name and title

Advanced Engineer Technician

2/9/00

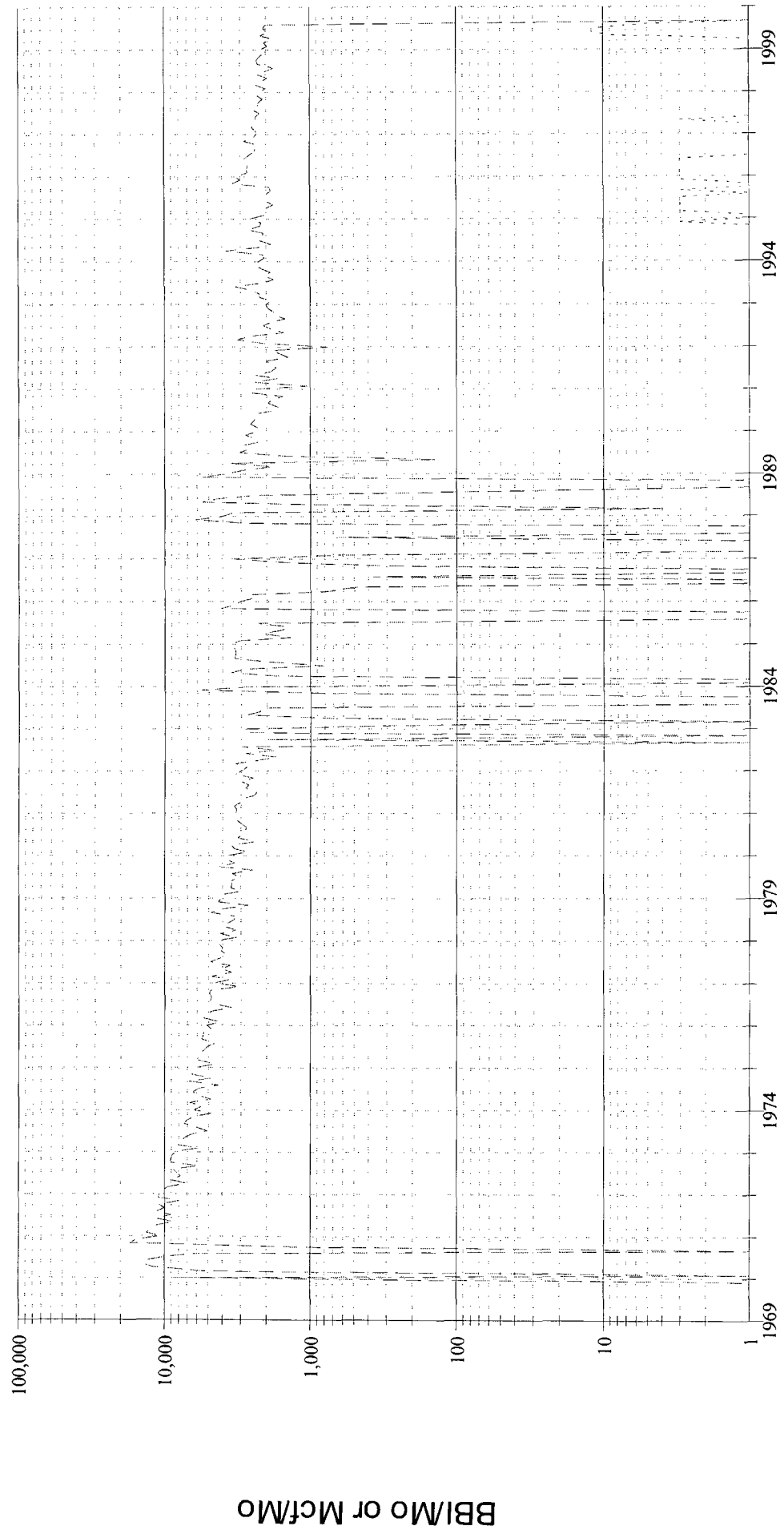
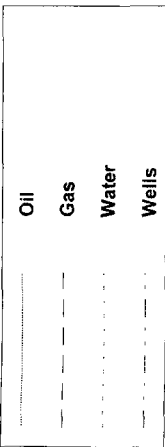
Date

(915) 687-8268

Telephone No.

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

JICARILLA FIELD
JICARILLA APACHE NO. 14
SOUTH BLANCO PICTURED CLIFFS PRODUCTION
 Production Rate vs Time
 For the Period 01/1969 to 12/1999 | API: 30039201400000



Time

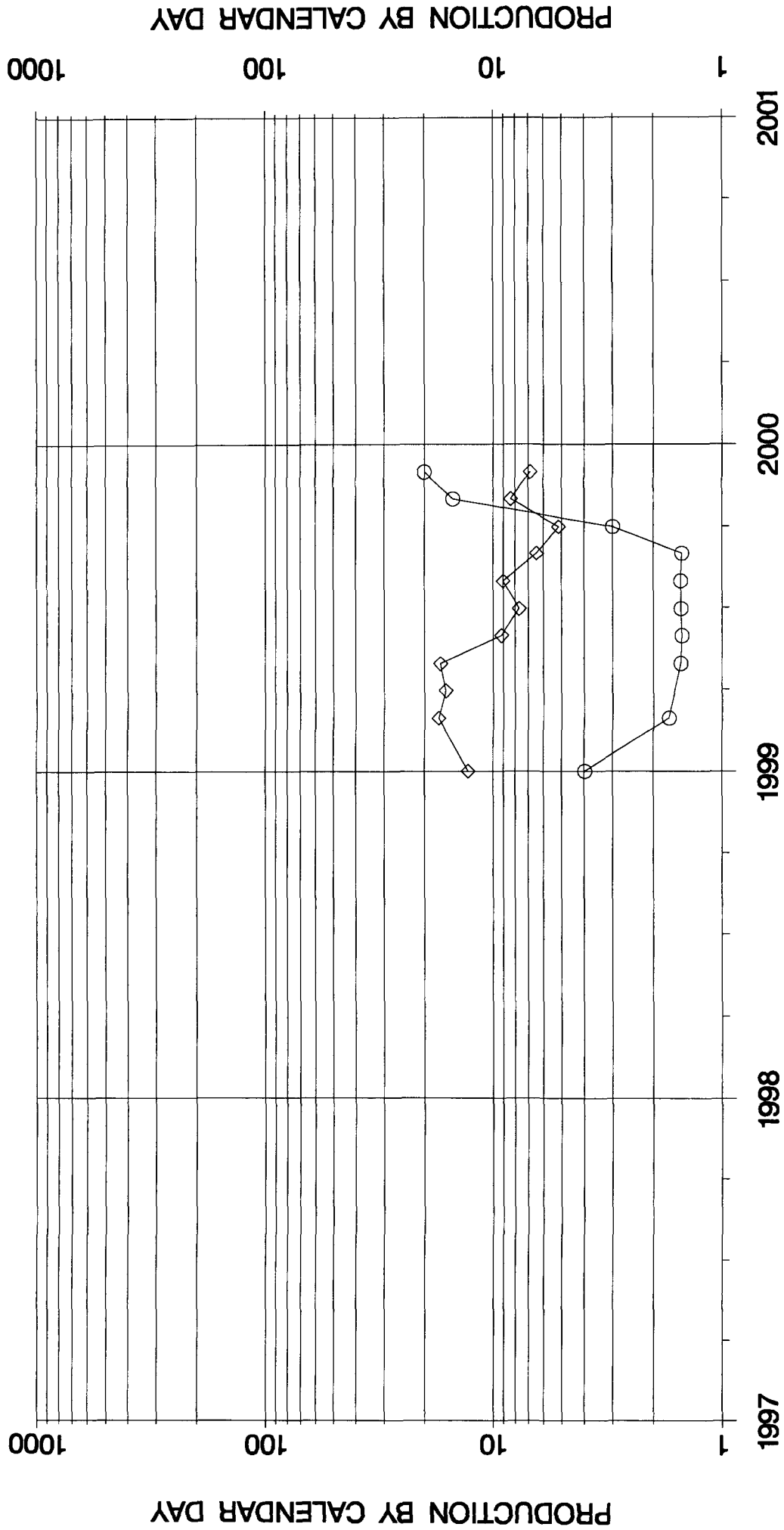
Reported Oil Production = 0 Bbls
 Reported Gas Production = 1,398,751 Mcf
 Reported Water Production = 85 Bbls

Midland Operations

Allocated Production Data

BLANCO MESA VERDE PRODUCTION

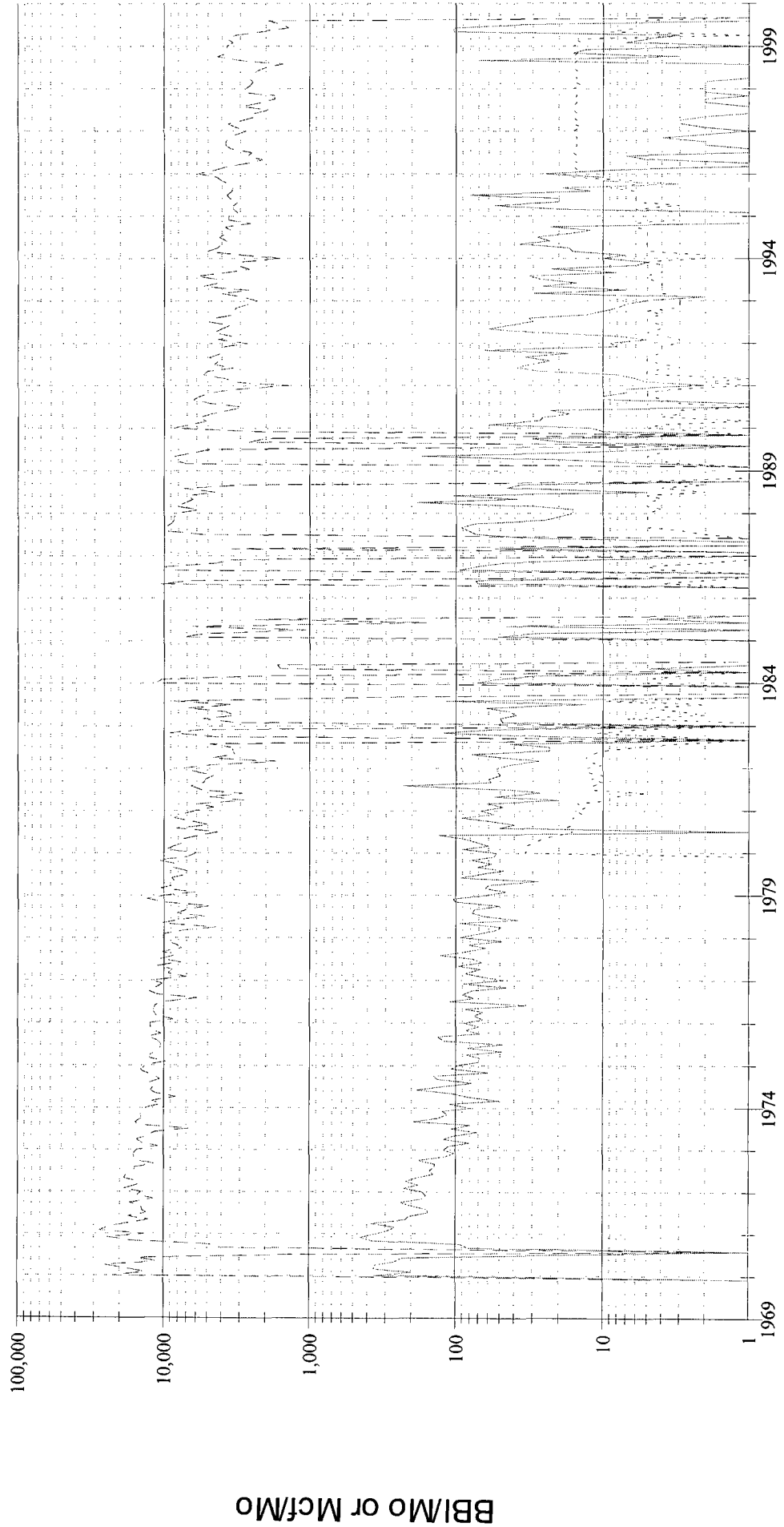
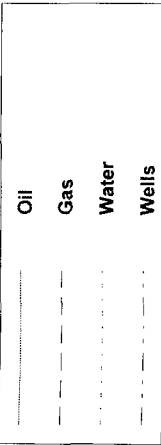
JICARILLA NO. 14



OIL, BOPD
 INJ, BPD
 WTR, BWPD
 DISP, BPD
 GAS, MCFPD
 COND, BPD

JICARILLA FIELD JICARILLA APACHE NO. 14 BASIN DAKOTA PRODUCTION

Production Rate vs Time
 For the Period 01/1969 to 12/1999 | API: 30039201400000



Reported Oil Production = 26,029 Bbls
 Reported Gas Production = 2,641,603 Mcf
 Reported Water Production = 1,601 Bbls

Time

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

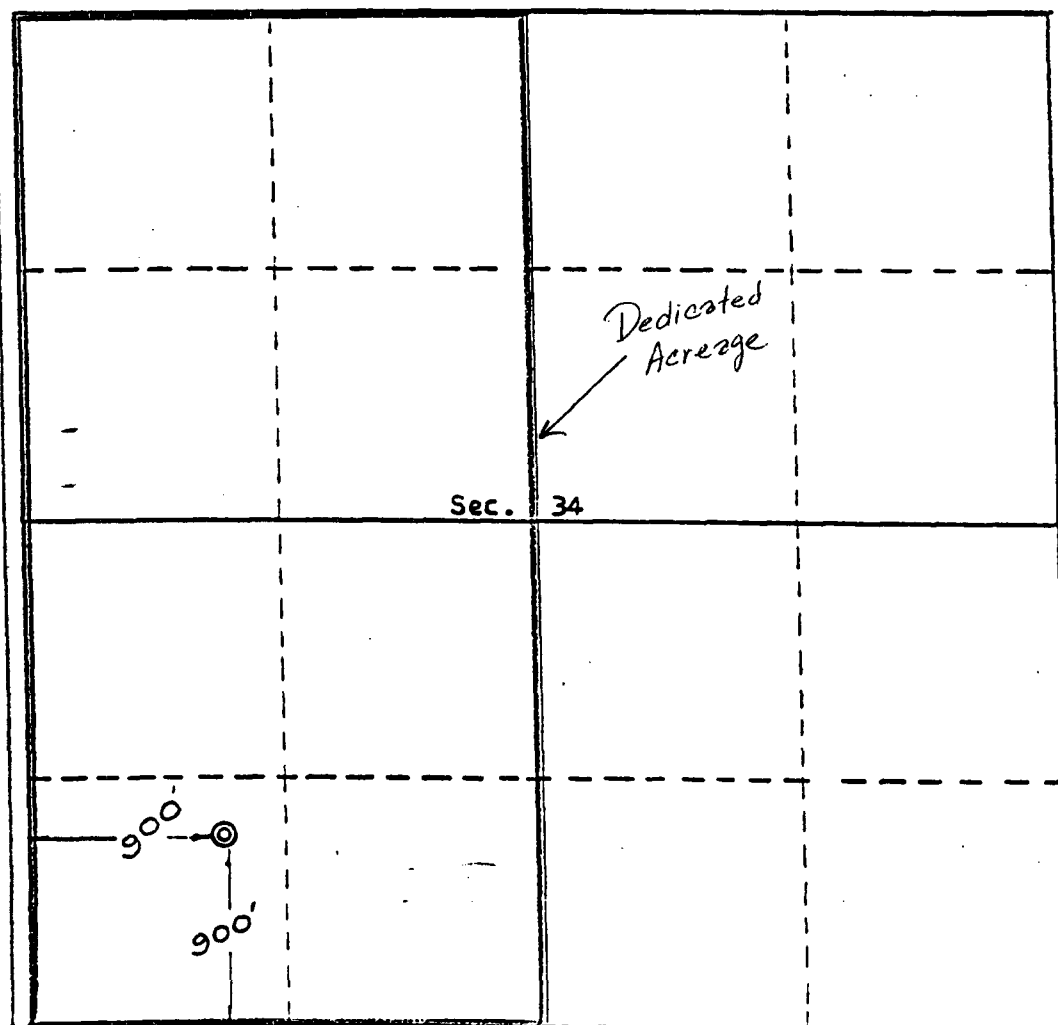
Operator MARATHON OIL COMPANY			Lease Jicarilla Apache		Well No. 14
Unit Letter M	Section 34	Township 26 North	Range 5 West	County Rio Arriba	
Actual Footage Location of Well: 900 feet from the South line and 900 feet from the West line					
Ground Level Elev. 6541, ungr.	Producing Formation PICTURED CLIFFS		Pool S. BLANCO PICTURED CLIFFS		Dedicated Acreage: 320 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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 interests 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.) Marathon Oil Company - Tract 251

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 interests, has been approved by the Commission.



CERTIFICATION

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

Name Lester Brown
Position **Area Superintendent**
Company **Marathon Oil Company**

Date **August 22, 1968**

Thereby 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—
August 13, 1968

Registered Professional Engineer
and/or Land Surveyor

E. J. C. [Signature]
Certificate No. **3602**

0 330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600

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

☐ **AMENDED REPORT**

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-20140	² Pool Code	³ Pool Name CHACRA
⁴ Property Code	⁵ Property Name Jicarilla Apache	⁶ Well Number 14
⁷ OGRID No. 14021	⁸ Operator Name Marathon Oil Company	⁹ Elevation 6541'


¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
M	34	26N	5W		900	South	900	West	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

				<div>17</div> <div>OPERATOR CERTIFICATION</div> <div>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</div> <div></div> <div>Signature</div> <div>Tim L. Chase</div> <div>Printed Name</div> <div>Advanced Engineer Technician</div> <div>Title</div> <div>February 28, 2000</div> <div>Date</div>
				<div>18</div> <div>SURVEYOR CERTIFICATION</div> <div>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.</div> <div></div> <div>Date of Survey</div> <div>Signature and Seal of Professional Surveyer:</div> <div></div> <div>Certificate Number</div>

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., Artec, NM 87410

District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
E gy, Minerals & Natural Resources Depart. it

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 30-039-20140	² Pool Code	³ Pool Name BLANCO MESA VERDE
⁴ Property Code	⁵ Property Name JICARILLA APACHE	⁶ Well Number 14
⁷ OGRID No. 14021	⁸ Operator Name Marathon Oil Company	⁹ Elevation 6541'

¹⁰ Surface Location

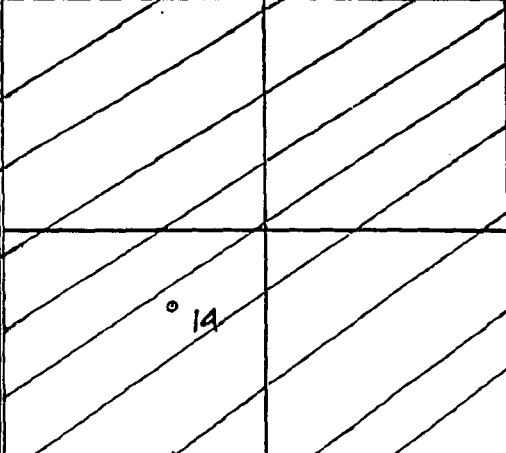
UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
M	34	26-N	5-W		900	SOUTH	900	WEST	RIO ARriba

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
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12 Dedicated Acres 160-SW/4	13 Joint or Infill	14 Consolidation Code	15 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**

				• 16E	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. <u>Walter J. Duncan</u> Signature <u>R. J. LONGMIRE</u> Printed Name <u>DRILLING SUPERINTENDENT</u> Title <u>10/19/99</u> Date
				• 14E	
			Dedicated Acresge ←	• 16	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. _____ Date of Survey _____ Signature and Seal of Professional Surveyer: _____ Certificate Number
				• 14	

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

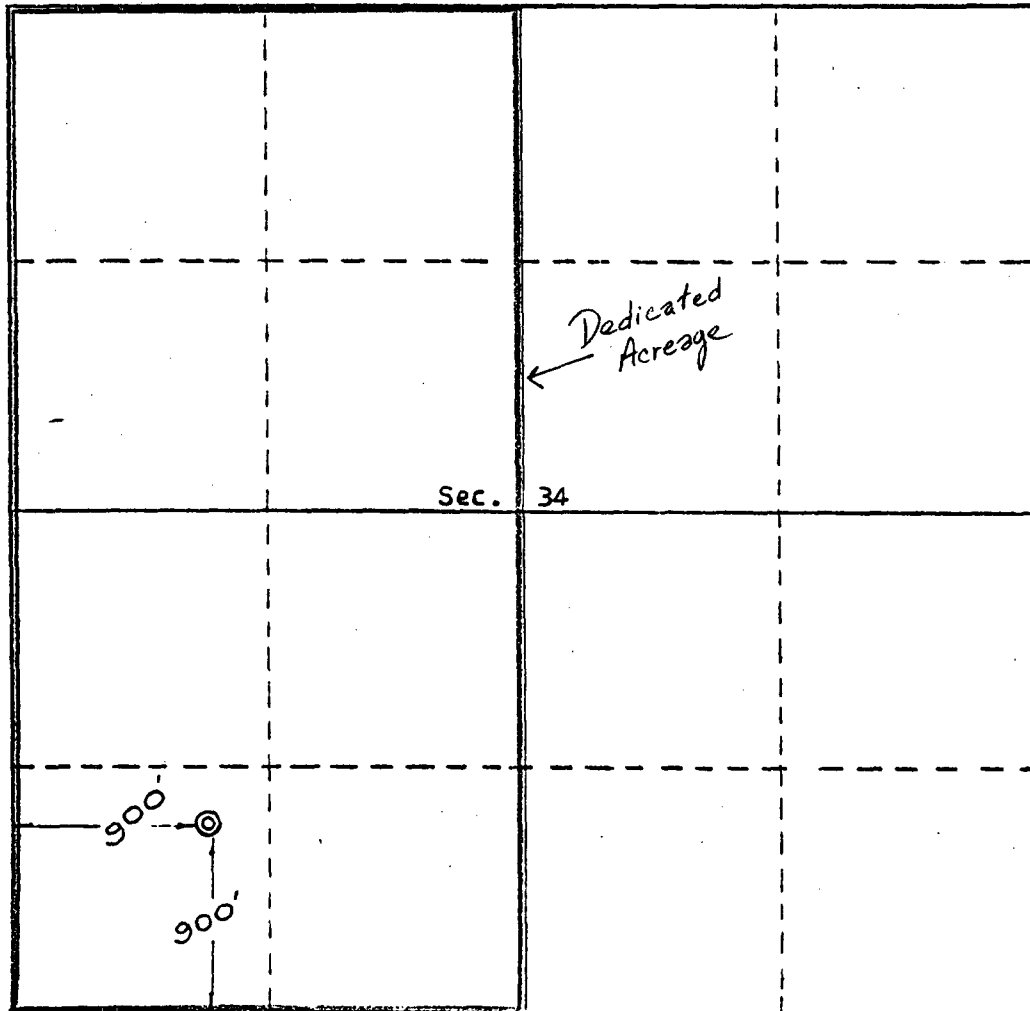
Operator MARATHON OIL COMPANY			Lease Jicarilla Apache		Well No. 14
Unit Letter M	Section 34	Township 26 North	Range 5 West	County Rio Arriba	
Actual Footage Location of Well:					
900 feet from the South line and		900 feet from the West line			
Ground Level Elev: 6541, ungr.	Producing Formation Dakota	Pool Basin Dakota	Dedicated Acreage: 320 Acres		

1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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 interests 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.) Marathon Oil Company - Tract 251

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 interests, has been approved by the Commission.



CERTIFICATION

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

Name Lester Brown
Position Area Superintendent
Company Marathon Oil Company

Date August 22, 1968

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 August 13, 1968
Registered Professional Engineer
and/or Land Surveyor

E. J. Carls
Certificate No. 3602

0 320 640 960 1280 1600 1920 2240 2560 2880 3200 3520 3840 4160 4480 4800 5120 5440 5760 6080 6400

EXHIBIT "B" - CASE NO. 11353, ORDER NO. R-10470-A

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

State of New Mexico

Energy, Minerals and Natural Resources Department

FORM C-107-A

New 3-12-96

DISTRICT II

911 S. 1st, Artesia, NM 86210

OIL CONSERVATION DIVISION

2040 S. Pacheco, Santa Fe, NM 87505-6429

APPROVAL PROCESS:

☐ Administrative ☐ Hearing

DISTRICT III

1000 Rio Brazos, Aztec, NM 87410

APPLICATION FOR
DOWNHOLE COMMINGLING

EXISTING WELLBORE

☒ Yes ☐ No

Marathon Oil Company		P.O. Box 552		Midland, Tx 79702	
OPERATOR		ADDRESS			
Jicanilla	14	Sec 34, T-26N, R-5W		Rio Arriba	
LEASE		WELL NO.		SECTION, TOWNSHIP, RANGE, UNIT COUNTY	
SPACING UNIT LEASE TYPES: (CHECK 1 OR MORE)					
OGRID NO. 014021		PROPERTY CODE 6414		API NO. 30-039-20006	
				Federal <input checked="" type="checkbox"/> State <input type="checkbox"/> (and/or) Fee <input type="checkbox"/>	

The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate Zones	Intermediate Zones	Lower Zone
1. Pool Name & Pool Code	South Blanco Pictured Cliffs	Chacra	Blanco Mesa Verde	Basin Dakota
2. Top & Bottom of Pay Section (Perforations)	2865-2919'	3950-4750'	4820-5202'	7042-7278'
3. Type of production (Oil or Gas)	Gas	N/A	N/A	Gas
4. Method of Production (Flowing or Artificial Lift)	Artificial Lift	N/A	Artificial Lift	Artificial Lift
5. Bottomhole Pressure Oil Zones-Artificial Lift (Est Current)	a. (Current) 300	a. (Current) 0	a. (Current) 325	a. (Current) 350
	b. (Original) ____	b. (Original) ____	b. (Original) ____	b. (Original) ____
6. Oil Gravity (API) or Gas BTU Content	37 API	37 API	38 API	39 API
7. Producing or Shut-in?	Producing	Not Yet Perforated	Producing	Shut-In (Isolated)
Production Marginal? (yes or no)	Yes	Yes	Yes	Yes
* If Shut-in, give date and o/g/w rates of last production <small>Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data.</small>	Date: N/A Rates: N/A	Date: N/A Rates: N/A	Date: N/A Rates: N/A	Date: 11/19/99 Rates: 1/63/0
* If producing, give date and o/g/w rates of recent test (within 60 days)	Date: 12/15/99 Rates: 0/65/0	Date: N/A Rates: N/A	Date: 01/10/00 Rates: 16/306/9	Date: N/A Rates: N/A
8. Fixed Percentage Allocation Formula - % for each zone	Oil: 0.00% Gas: 12.17%	Oil: 0.00% Gas: 18.73%	Oil: 94.12% Gas: 57.30%	Oil: 5.88% Gas: 11.80%

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? ☒ 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 ☒ No (no longer necessary)

11. Will crossflow occur? ☒ Yes ☐ 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? ☒ Yes ☐ No

13. Will the value of production be decreased by commingling? ☐ Yes ☒ No (If Yes, attach explanation)

14. If this well is on, or communized 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. ☒ 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. (no longer necessary)
- * Notification list of all 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 Tim L. Chase
TYPE OR PRINT NAME TIM L. CHASE

TITLE Advanced Engineer Technician
TELEPHONE NO. (915) 687-8268

DATE 02/28/00