

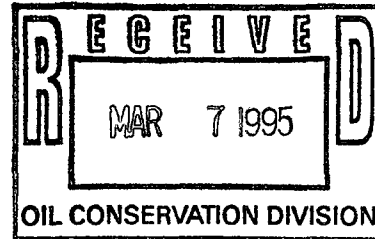
3-27-95

1112



**Marathon  
Oil Company**

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



Mr. David Catanach  
State of New Mexico  
Oil Conservation Division  
Energy and Minerals Department  
2040 South Pacheco  
Santa Fe, New Mexico 87505

RE: Request for Exception to Rule 303-A.  
Downhole Commingling  
Jicarilla Apache # 16-E  
UL "A", 825' FNL & 955' FEL  
Sec 34, T-26-N, R-5-W  
Blanco Mesa Verde and Basin Dakota Pools  
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 the Mesa Verde and Basin Dakota zones in the referenced well.

A velocity string was installed in this well in Jan-94 to facilitate the reestablishment of Mesa Verde production. Commingling will allow for the more efficient operation of artificial lift equipment. Moreover downhole commingling would allow both zones to be artificially lifted to an abandonment BHP of 100 PSI, maximizing the productive life of the wellbore and reducing waste.

Enclosed is pertinent data supporting this application as outlined in Rule 303-A. If additional information is necessary, please contact me at 915-687-8324. Your prompt consideration of this issue is greatly appreciated.

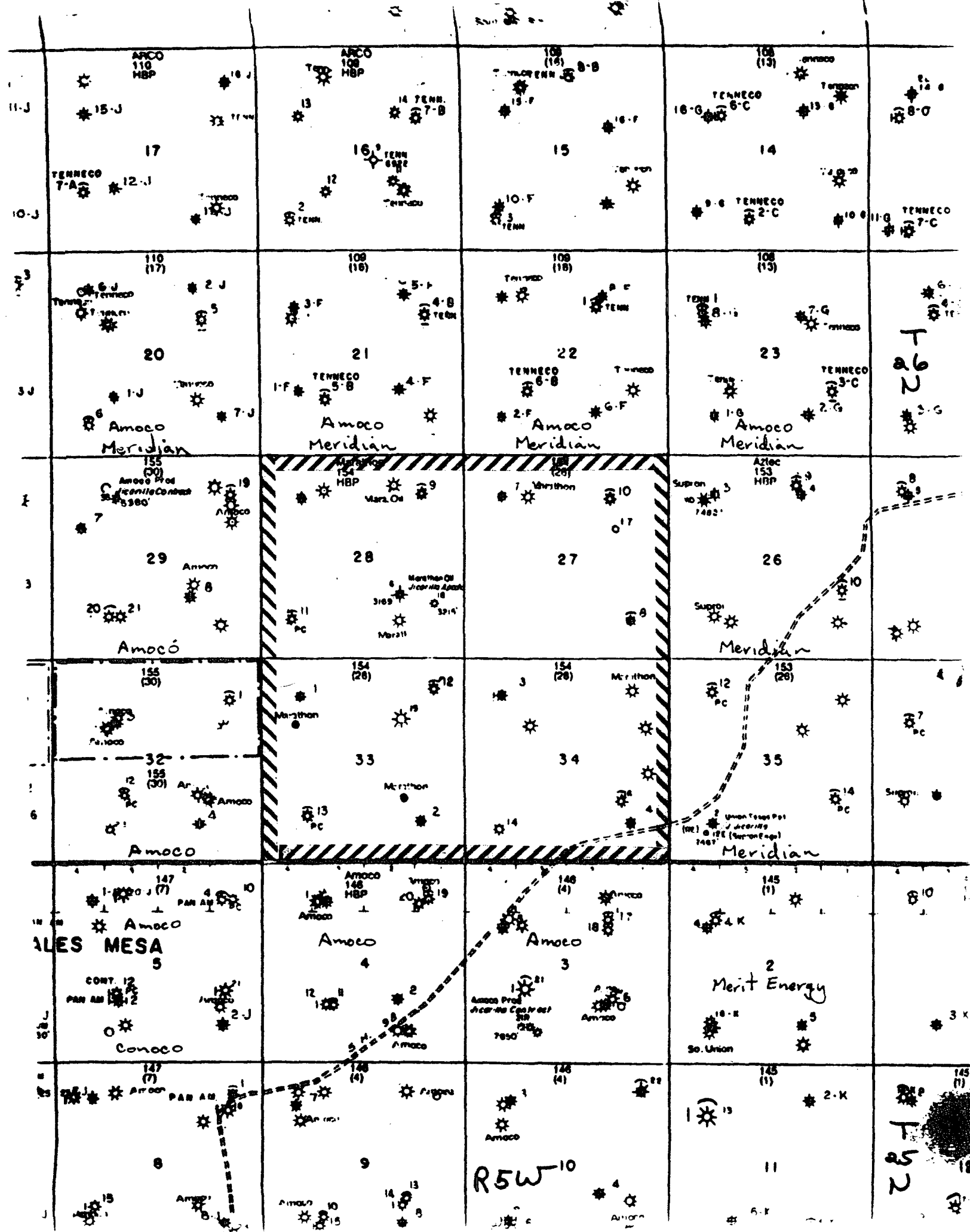
Sincerely,

*Thomas M Price*

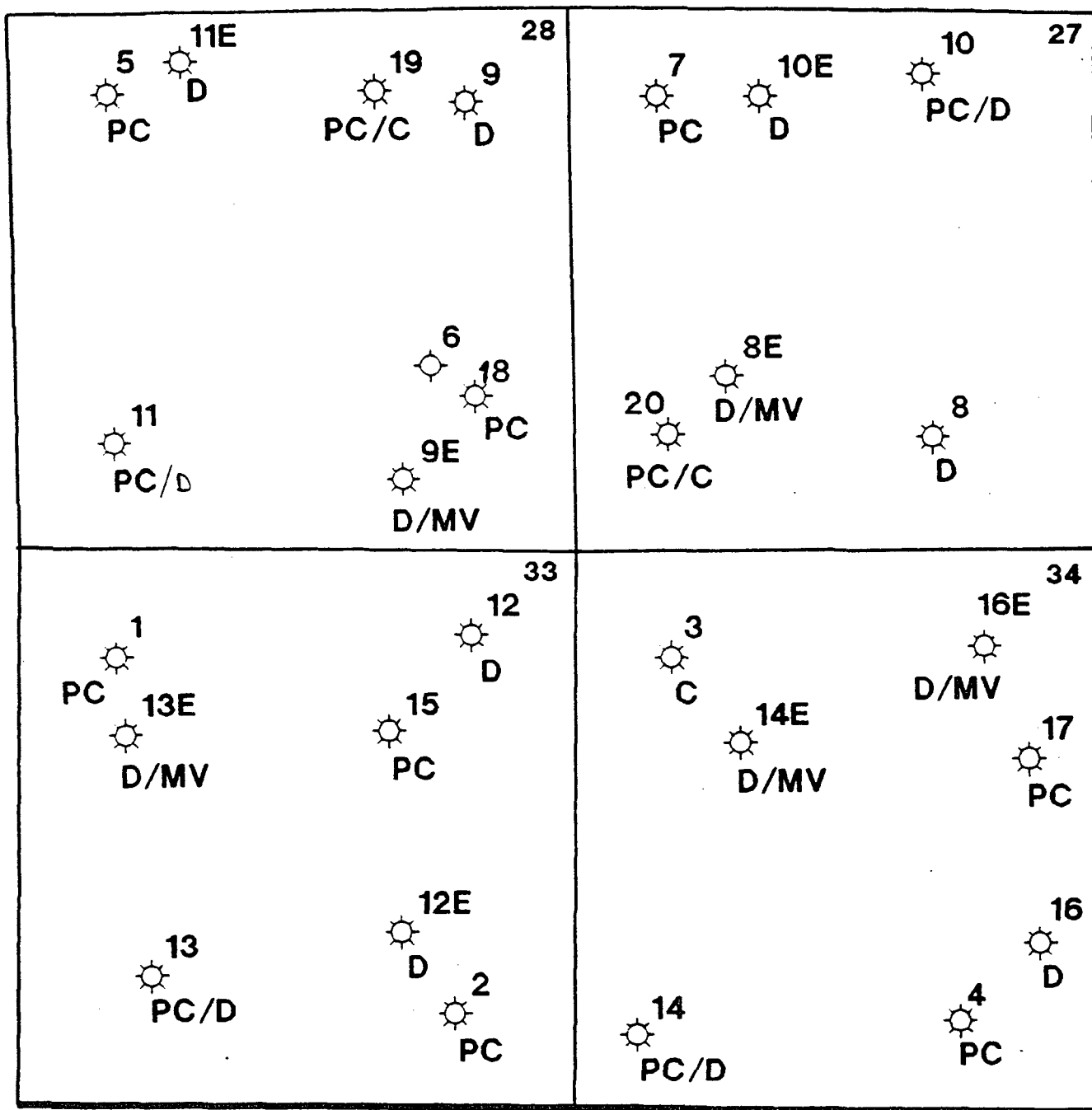
Thomas M. Price  
Advanced Engineering Technician

**REQUEST FOR EXCEPTION TO RULE 303A**  
**JICARILLA APACHE # 16-E API# 30-039-22434**  
**UL"A" 825' FNL & 955' FEL**  
**SEC.34, T-26-N, R-5-W**  
**RIO ARriba CO., NEW MEXICO**  
**BLANCO MESA VERDE AND BASIN DAKOTA POOLS**

- A: Operator  
Marathon Oil Company  
P.O. Box 552  
Midland, Texas 79702
- B: Plats and Offset Operators  
Attached
- C: C-116's  
Attached
- D: Production Decline Curves  
Attached
- E: Estimated Bottomhole Pressures  
Mesa Verde        914 PSI @ 5278 Feet  
Basin Dakota     930 PSI @ 5278 Feet
- F: Product Characteristics  
Previous commingling of these zones by other operators in this area have shown that the produced fluids are compatible and commingling will not cause formation damage.
- G: Value  
Marathon receives the same price for product from both zones and value will not be adversely affected.
- H: Production Allocation
- | <u>POOL</u>  | <u>BOPD</u> | <u>MCFPD</u> | <u>BWPD</u> |
|--------------|-------------|--------------|-------------|
| Mesa Verde   | 1           | 59           | 1           |
| Basin Dakota | 2           | 174          | 3           |
| TOTAL        | 3           | 233          | 4           |
- Allocated Percentages
- | <u>POOL</u>  | <u>BOPD%</u> | <u>MCFPD%</u> | <u>BWPD</u> |
|--------------|--------------|---------------|-------------|
| Mesa Verde   | 33.3         | 25.3          | 25          |
| Basin Dakota | 66.7         | 74.7          | 75          |
| TOTAL        | 100          | 100           | 100         |
- I: Ownership  
Ownership of all zones is in common and correlative rights will not be compromised.
- J: Offset Operator Notification  
By copy of this letter we are notifying all offset operators (see list, Item C) of the proposed commingling, by certified mail.

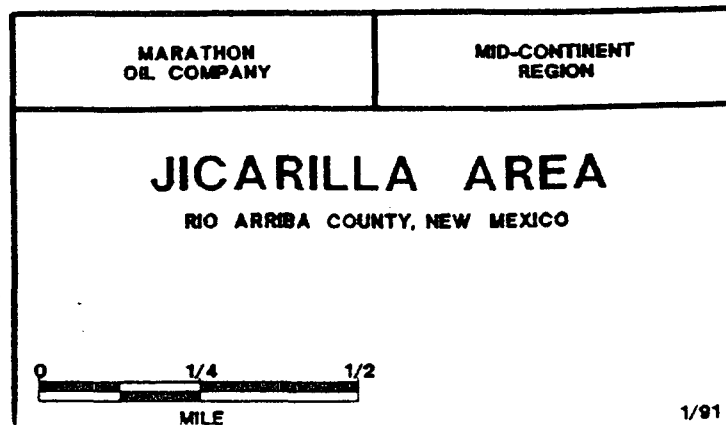


# R 5 W



JICARILLA AREA

PC PICTURED CLIFFS  
C CHACRA  
MV MESA VERDE  
D DAKOTA



**OFFSETTING OPERATORS TO MARATHON OIL COMPANY'S  
JICARILLA APACHE LEASE  
SECTIONS 27, 28, 33, & 34, T-26-N, R-5-W,  
RIO ARriba COUNTY, NEW MEXICO**

**Amoco Production Company  
P. O. Box 800  
Denver, CO 80201-0800**

**Meridian Oil Inc.  
P. O. Box 4289  
Farmington, NM 87401-4289**

**Conoco Inc.  
10 Desta Dr., Ste. 100W  
Midland, TX 79705-4500**

**Merit Energy Corp.  
P. O. Box 351  
Midland, TX 79702-0351**

Submit 2 copies to Appropriate  
District Office.  
DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240  
DISTRICT II  
P.O. Drawer DD, 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**  
P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

Form C-116  
Revised 1/1/89

**GAS - OIL RATIO TEST**

Operator <b>Marathon Oil Company</b>		Pool <b>Blanco Mesa Verde</b>		County <b>Rio Arriba</b>																		
Address <b>P.O. Box 552, Midland, TX 79702</b>		TYPE OF TEST - (X)		Completion <input type="checkbox"/> Special <input checked="" type="checkbox"/>																		
LEASE NAME  <b>Jicarilla Apache</b>	WELL NO.  <b>8E 9 E 13E 14E 16E</b>	LOCATION			LENGTH OF TEST HOURS  <b>24 24 24 24 24</b>	PROD. DURING TEST WATER BBL'S.  <b>2 2 0 4 1</b>	GRAV. OIL  <b>58.0 58.0 58.0 58.0 58.0</b>	OIL BBL'S.  <b>2 2 2 1 1</b>	GAS M.C.F.  <b>41 57 78 11 59</b>	GAS - OIL RATIO CU.FT/BBL  <b>20500 28500 39000 11000 59000</b>												
		INFORMATIONAL USE ONLY	DATE OF TEST  <b>2-27-95 2/19/95 2/17/95 2/26/95 2/21/95</b>	SIZE  <b>64/64 64/64 64/64 64/64 64/64</b>							TBG. PRESS.  <b>144 178 200 300 212</b>	DAILY ALLOW- ABLE  <b>M M M M M</b>										
													TYPE OF TEST - (X)	CHOKE SIZE  <b>F F F F F</b>								
															U	S	T	R				
																			K	5	26	5
E	5	26	5																			
F	5	26	5																			
A	5	26	5																			

**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.

*Thomas M. Price*

Signature

**Thomas M. Price**

Printed name and title

**3/2/95**

Date

**915-687-8324**

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

Form C-116  
Revised 1/1/89

**GAS - OIL RATIO TEST**

Operator <b>Marathon Oil Company</b>		Pool <b>Basin Dakota</b>		County <b>Rio Arriba</b>											
Address <b>P.O. Box 552, Midland, TX 79702</b>		TYPE OF TEST - (X)		Completion <input type="checkbox"/> Special <input checked="" type="checkbox"/>											
LEASE NAME  <b>Jicarilla Apache</b>	WELL NO.  <b>8E 9 E 13E 14E 16E</b>	LOCATION			DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS - OIL RATIO CU FT/BBL					
		U	S	T			R	CHOKE SIZE	DATE OF TEST		TBG. PRESS.	WATER BBL'S.	GRAV. OIL	OIL BBL'S.	GAS M.C.F.
INFORMATIONAL USE ONLY															

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Printed name and title

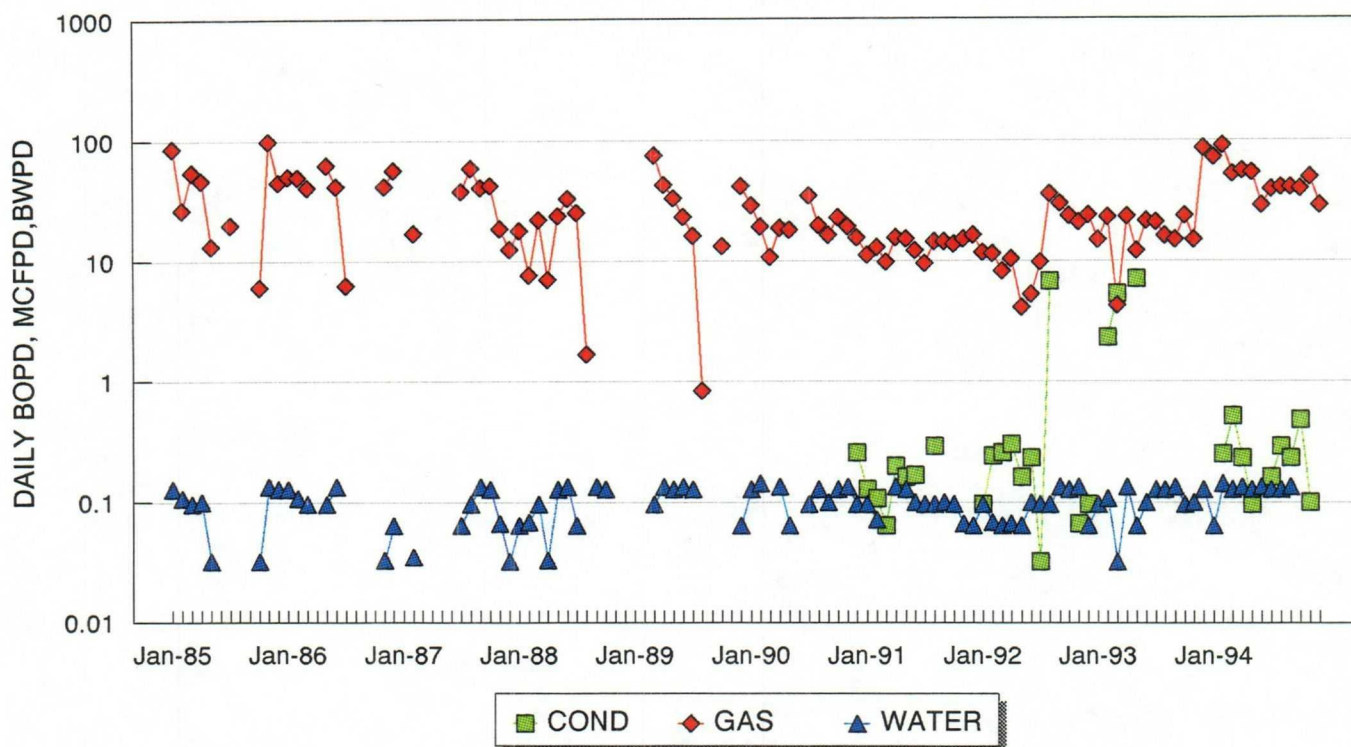
**3/2/95**

Date

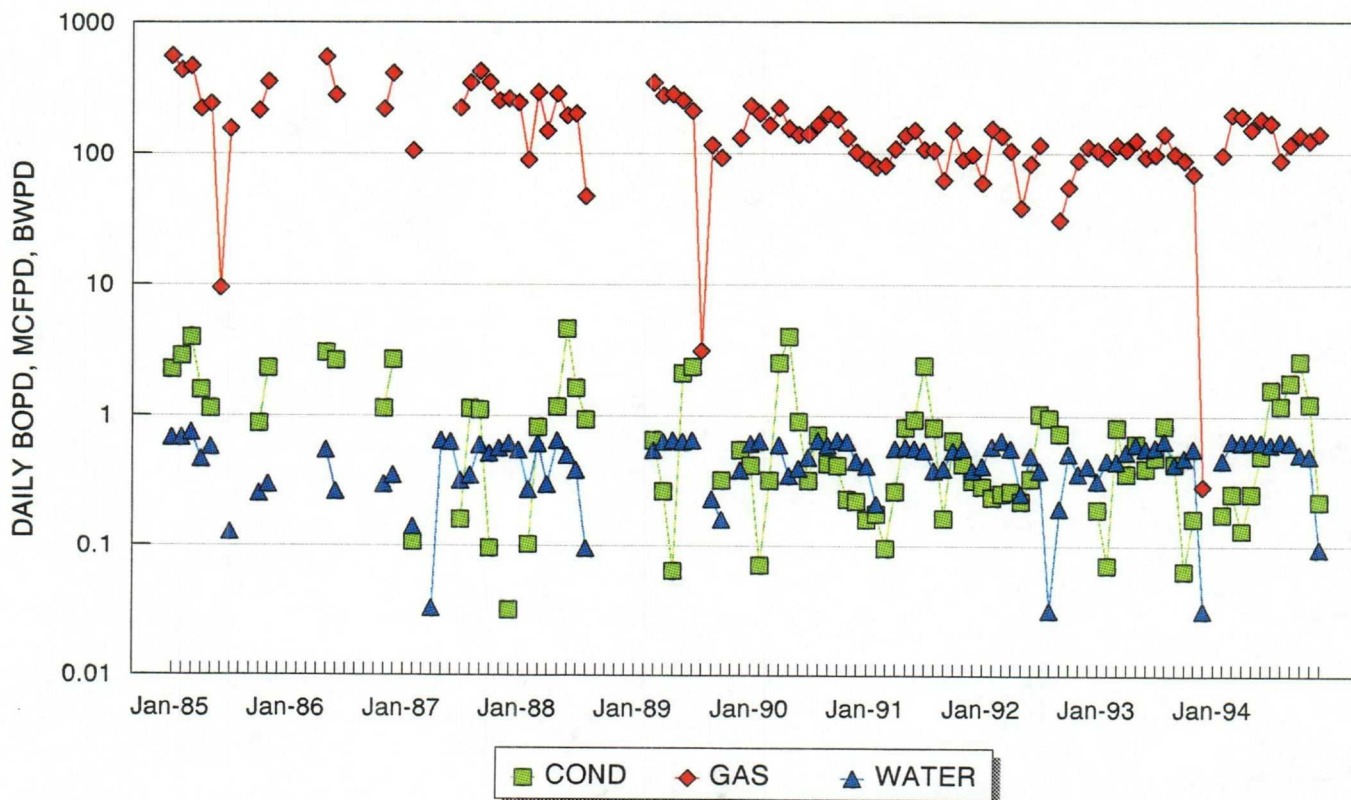
**915-687-8324**

Telephone No.

# JICARILLA APACHE 16E MESA VERDE



# JICARILLA APACHE 16E BASIN DAKOTA





UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT - " for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well  
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator  
Marathon Oil Company

3. Address and Telephone No.  
P.O. Box 552, Midland, TX 79702 915-687-8324

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
UL "A", 825 FNL & 955 FEL  
Section 34, T-26-N, R-5-W

FORM APPROVED

Budget Bureau No. 1004-0135  
Expires: March 31, 1993

5. Lease Designation and Serial No.  
Tract 251 Contract 154

6. If Indian, Allottee or Tribe Name  
Jicarilla Apache

7. If Unit or CA, Agreement Designation

8. Well Name and No.  
Jicarilla Apache 16 E

9. API Well No.  
30-039-22434

10. Field and Pool, or exploratory Area  
Jic / Basin Dakota, Mesa Verde

11. County or Parish, State

Rio Arriba NM

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☐ Other Downhole Commingle  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Marathon Oil Company is applying to the New Mexico Oil Conservation Division for permission to downhole commingle the Blanco Mesa Verde and Basin Dakota pool in this well. Upon receiving approval from the NMOCD, the coiled tubing will be unseated and raised to a depth which will optimize production from both zones. The estimated start date is upon approval of the DHC Permit from the NMOCD.

14. I hereby certify that the foregoing is true and correct

Signed Thomas M Price Title Advanced Engineering Tech. Date 3/2/95

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



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

March 3, 1995

Amoco Production Company  
P. O. Box 800  
Denver, Colorado 80201-0800

Re: Request for Exception to Rule 303-A  
Downhole Commingling  
Jicarilla Apache No. 16E  
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Sec. 34, T-26-N, R-5-W  
Mesa Verde and Basin Dakota Pools  
Jicarilla Field  
Rio Arriba County, New Mexico

Gentlemen:

Marathon Oil Company has filed an application with the New Mexico Oil Conservation Division to downhole commingle the referenced well. Please find enclosed a copy of the application as outlined in Rule 303-A.

If you are in agreement and waive all objections to the downhole commingling, please sign below and mail the original to the NMOCDD, 2040 South Pacheco, Santa Fe, NM 87505, Attn: David Catanach.

Sincerely,

A handwritten signature in cursive script that reads 'Thomas M. Price'.

Thomas M. Price  
Advanced Engineering Technician

TMP/9510.d/r  
Enclosure

Agreed and accepted this \_\_\_\_\_ day of \_\_\_\_\_ 1995

by \_\_\_\_\_, as representative of

\_\_\_\_\_



**Marathon  
Oil Company**

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

March 3, 1995

Meridian Oil Inc.  
P. O. Box 4289  
Farmington, New Mexico 87401-4289

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Advanced Engineering Technician

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\_\_\_\_\_



**Marathon  
Oil Company**

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

March 3, 1995

Conoco Inc.  
10 Desta Drive, Suite 100W  
Midland, Texas 79705-4500

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Thomas M. Price  
Advanced Engineering Technician

TMP/9510.d/tr  
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\_\_\_\_\_



**Marathon  
Oil Company**

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

March 3, 1995

Merit Energy Corp.  
P. O. Box 351  
Midland, Texas 79702-0351

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