STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION
2040 S. PACHECO
SANTA FE, NEW MEXICO 87505
(505) 827-7131

ADMINISTRATIVE ORDER DHC-1110

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

RECEIVED
MAR 2 9 1995
OIL CON. DIV.
DIST. 3

Attention: Mr. Thomas M. Price

Jicarilla Apache Well No.13-E
Unit E, Section 33, Township 26 North, Range 5 West, NMPM,
Rio Arriba County, New Mexico.
Blanco Mesaverde and Basin Dakota Pools

Dear Mr. Price:

Reference is made to your recent application for an exception to Rule 303-A of the Division Rules and Regulations to permit the subject well to commingle production from both pools in the wellbore.

It appearing that the subject well qualifies for approval for such exception pursuant to the provisions of Rule 303-C, and that reservoir damage or waste will not result from such downhole commingling, and correlative rights will not be violated thereby, you are hereby authorized to commingle the production as described above and any Division Order which authorized the dual completion and required separation of the two zones is hereby placed in abeyance.

In accordance with the provisions of Rule 303-C-4., total commingled oil production from the subject well shall not exceed 30 barrels per day, and total water production shall not exceed 60 barrels per day. The maximum amount of gas which may be produced daily from the well shall be determined by Division Rules and Regulations or by the gas allowable for each respective prorated pool as printed in the Division's San Juan Basin Gas Proration Schedule.

Assignment of allowable to the well and allocation of production from the well shall be on the following basis:

Blanco Mesaverde Pool	Oil 50%	Gas 37%
Basin Dakota Pool	Oil 50%	Gas 63%

FURTHER: The operator shall notify the Aztec District Office of the Division upon implementation of the commingling process.

Pursuant to Rule 303-C-5, the commingling authority granted by the order may be rescinded by the Division Director if, in his opinion, conservation is not being best served by such commingling.

Approved at Santa Fe, New Mexico on this 28th day of March, 1995.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

WILLIAM J. LEMAY
Director

S E A L

WJL/BES

cc: Oil Conservation Division - Aztec ✓

Ernie Busch

From: Ernie Busch
To: David Catanach
Subject: MARATHON OIL CO (DHC)
Date: Tuesday, March 28, 1995 7:47AM
Priority: High

JICARILLA APACHE #13E
E-33-26N-05W
RECOMMEND: APPROVAL

ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8040
PHENOLS

Client:	Weatherford Co.	Project #:	91327.0
Sample ID:	Sump Sludge	Date Reported:	02-27-95
Laboratory Number:	8220	Date Sampled:	02-15-95
Chain of Custody:	4111	Date Received:	02-15-95
Sample Matrix:	Soil	Date Extracted:	02-16-95
Preservative:	Cool	Date Analyzed:	02-24-95
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200.0
p,m-Cresol	ND	0.040	200.0
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400.0
Pentachlorophenol	0.023	0.020	100.0

SURROGATE RECOVERIES:

Parameter	Percent Recovery
2,4,6-tribromophenol	101 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

ND - Parameter not detected at the stated detection limit.

Comments: 5 Point Composite of Sump Sludge and Storage Barrels. Farmington, NM.

Analyst

Review

Mid-Continent Region
Production United States

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 Pacheo
Santa Fe, New Mexico 87505

RE: Request for Exception to Rule 303-A
Downhole Commingling
Jicarilla Apache # 13-E
UL "E", 1850' FNL & 930' FEL
Sec 33, 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

A subsidiary of USX Corporation

REQUEST FOR EXCEPTION TO RULE 303A
JICARILLA APACHE # 13-E API# 30-039-22446
UL"E" 1850' FNL & 930' FWL
SEC.33, 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 950 PSI @ 5126 Feet
Basin Dakota 980 PSI @ 5126 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

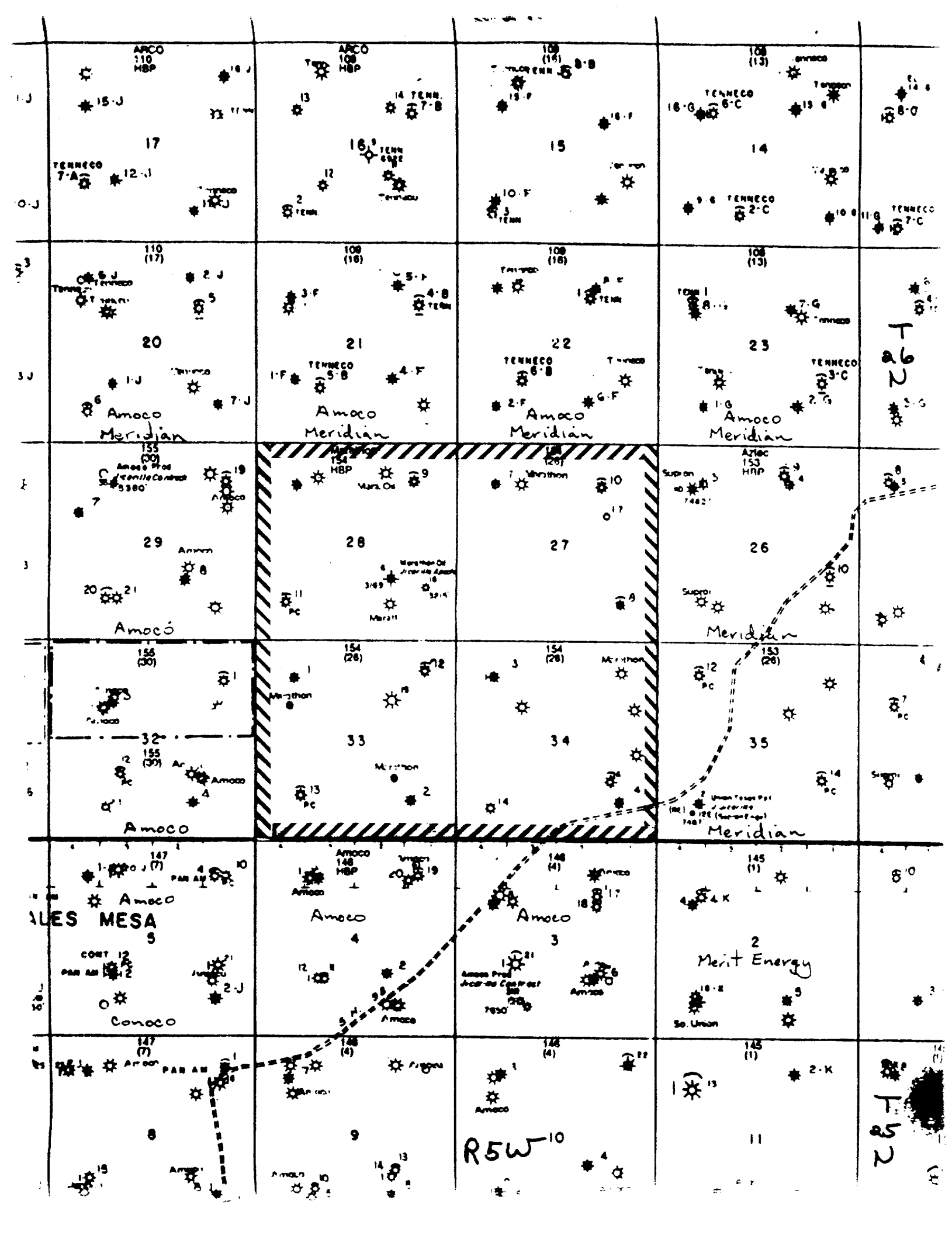
POOL	BOPD	MCFPD	BWPD
Mesa Verde	2	78	0
Basin Dakota	2	132	4
TOTAL	4	210	4

Allocated Percentages

POOL	BOPD%	MCFPD%	BWPD
Mesa Verde	50	37.1	0
Basin Dakota	50	62.9	100
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.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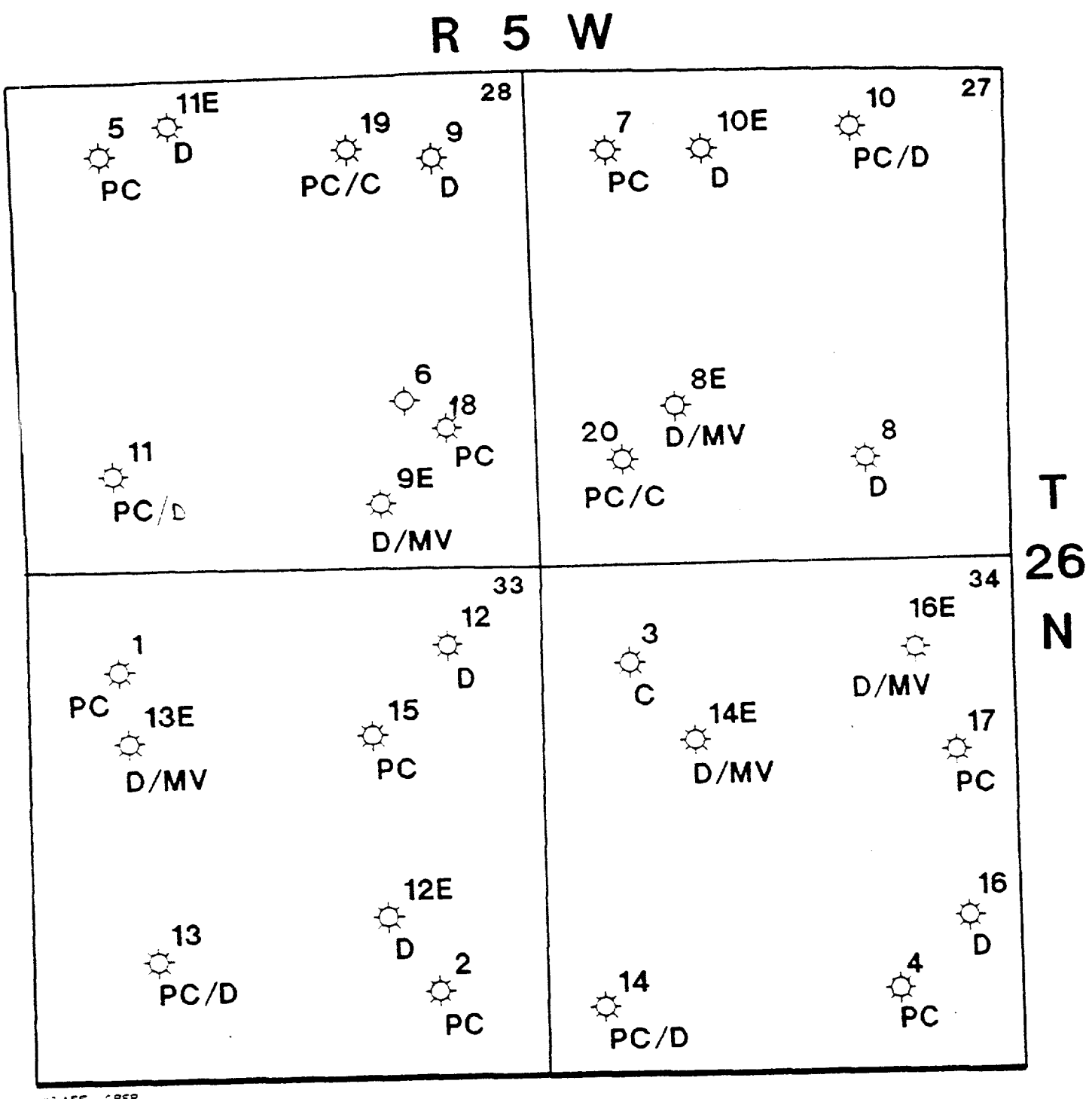

JICARILLA APACHE RESERVATION

PC PICTURED CLIFFS
C CHACRA
MV MESA VERDE
D DAKOTA

MARATHON OIL COMPANY | MID-CONTINENT REGION

JICARILLA AREA

RIO ARRIBA COUNTY, NEW MEXICO

0 1/4 1/2 MILE

1/9

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	Pool	County
Marathon Oil Company	**Blanco Mesa Verde**	**Rio Arriba**

Address: **P.O. Box 552, Midland, TX 79702**

TYPE OF TEST - (X): Scheduled [ ] Completion [ ] Special [X]

LEASE NAME	WELL NO.	LOCATION U	S	T	R	DATE OF TEST	STATUS	CHOKE SIZE	TBG. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST WATER BBLS.	GRAV. OIL	OIL BBLS.	GAS M.C.F.	GAS - OIL RATIO CU.FT/BBL
Jicarilla Apache	**8E**	**K**	**27**	**26**	**5**	**2-27-95**	**F**	**64/64**	**144**	**M**	**24**	**2**	**58.0**	**2**	**41**	**20500**
	9 E	**O**	**28**	**26**	**5**	**2/19/95**	**F**	**64/64**	**178**	**M**	**24**	**2**	**58.0**	**2**	**57**	**28500**
	13E	**E**	**33**	**26**	**5**	**2/17/95**	**F**	**64/64**	**200**	**M**	**24**	**0**	**58.0**	**2**	**78**	**39000**
	14E	**F**	**34**	**26**	**5**	**2/26/95**	**F**	**64/64**	**300**	**M**	**24**	**4**	**58.0**	**1**	**11**	**11000**
	16E	**A**	**34**	**26**	**5**	**2/21/95**	**F**	**64/64**	**212**	**M**	**24**	**1**	**58.0**	**1**	**59**	**59000**

INFORMATIONAL USE ONLY

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.

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

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 **915-687-8324**
Date Telephone No.

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	Pool	County
Marathon Oil Company	**Basin Dakota**	**Rio Arriba**

Address: **P.O. Box 552, Midland, TX 79702**

TYPE OF TEST - (X): Scheduled [ ] Completion [ ] Special [X]

LEASE NAME	WELL NO.	LOCATION U	S	T	R	DATE OF TEST	STATUS	CHOKE SIZE	TBG. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST WATER BBLS.	GRAV. OIL	OIL BBLS.	GAS M.C.F.	GAS - OIL RATIO CU.FT/BBL
Jicarilla Apache	8E	K	27	26	5	2/22/95	F	64/64	190	M	24	3	56.6	1	209	209000
	9 E	O	28	26	5	2/23/95	F	64/64	160	M	24	0	56.6	3	193	64333
	13E	E	33	26	5	2/18/95	F	64/64	142	M	24	4	56.6	2	132	66000
	14E	F	34	26	5	2/25/95	F	64/64	154	M	24	2	56.6	2	100	50000
	16E	A	34	26	5	2/16/95	F	64/64	139	M	24	3	56.6	2	174	87000

INFORMATIONAL USE ONLY

Instructions:

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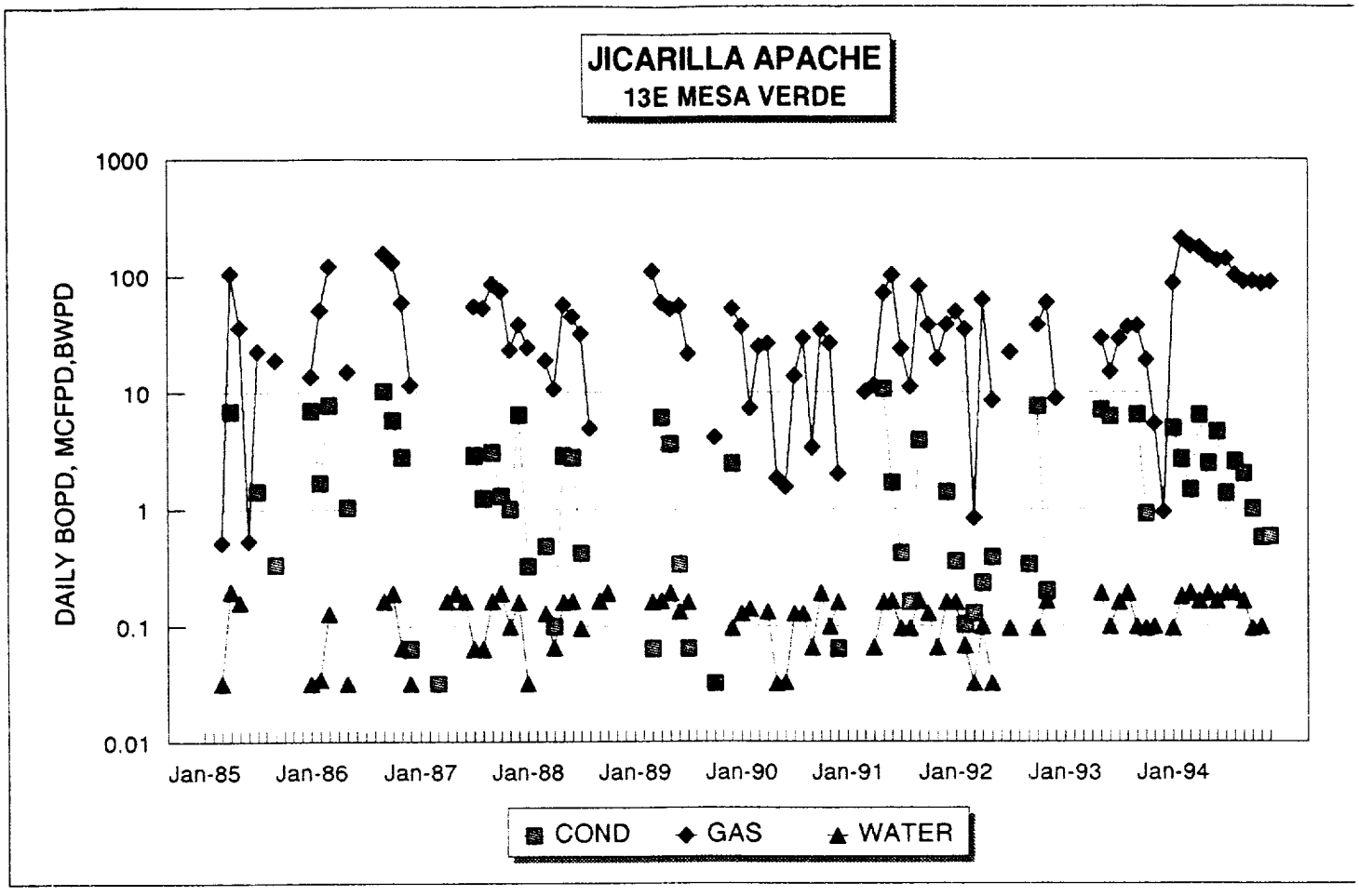
Thomas M Price
Signature
Thomas M. Price
Printed name and title

3/2/95 Date

915-687-8324 Telephone No.


JICARILLA APACHE
13E MESA VERDE
DAILY BOPD, MCFPD,BWPD
1000
100
10
1
0.1
0.01
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Jan-86
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COND
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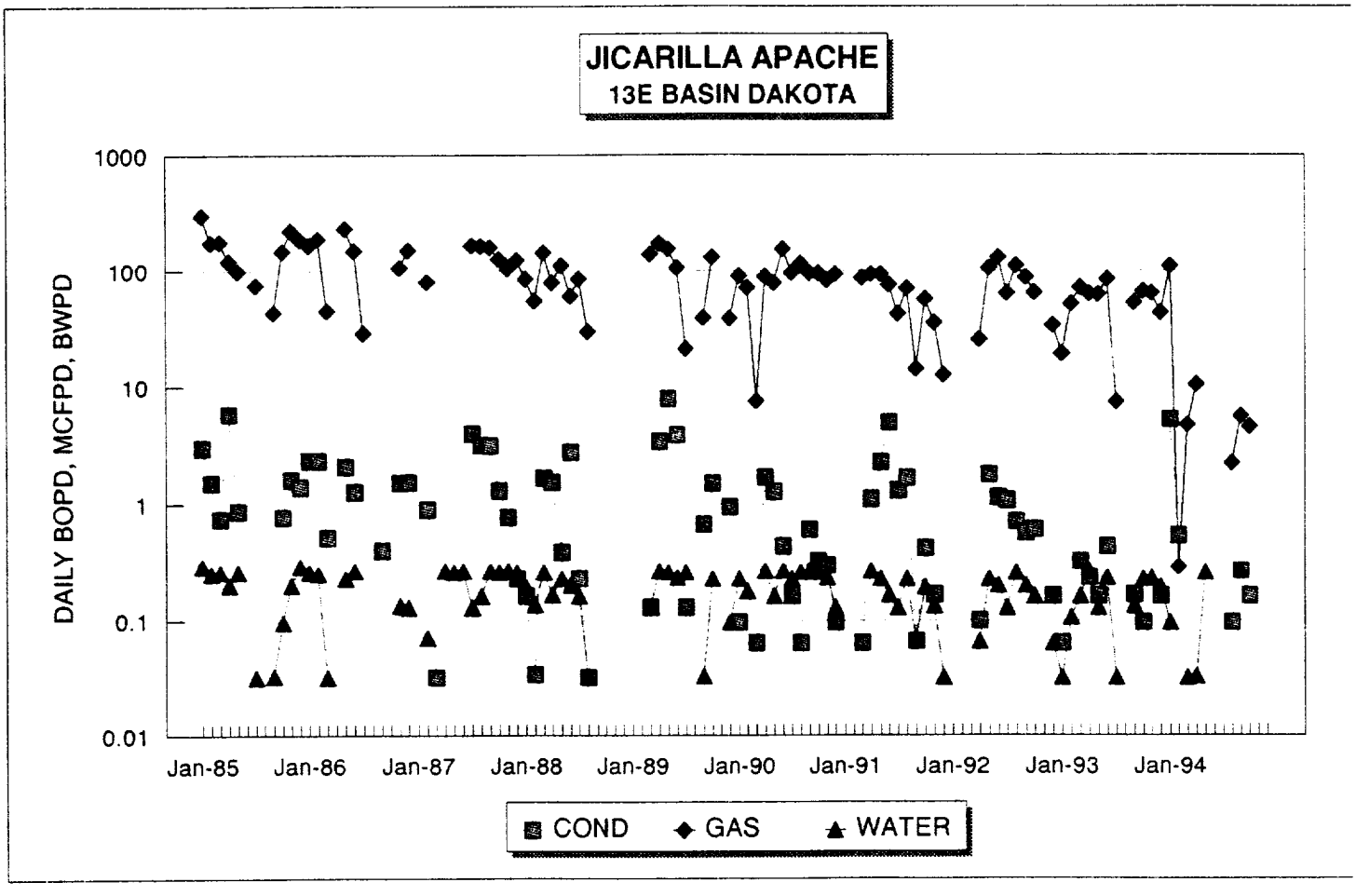
JICARILLA APACHE
13E BASIN DAKOTA
DAILY BOPD, MCFPD, BWPD
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Jan-94
COND
GAS
WATER

Mid-Continent Region
Production United States

Marathon Oil Company

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. 13E
UL "E" 1850' FNL & 930' FWL
Sec. 33, 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 NMOCD, 2040 South Pacheco, Santa Fe, NM 87505, Attn: David Catanach.

Sincerely,

Thomas M. Price /lr

Thomas M. Price
Advanced Engineering Technician

TMP/9510.b/lr
Enclosure

Agreed and accepted this _____ day of _____ 1995

by _____, as representative of

_____.

Mid-Continent Region
Production United States

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

TMP/9510.b/lr
Enclosure

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by _____, as representative of

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Mid-Continent Region
Production United States

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

Re: Request for Exception to Rule 303-A
Downhole Commingling
Jicarilla Apache No. 13E
UL "E" 1850' FNL & 930' FWL
Sec. 33, T-26-N, R-5-W
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Rio Arriba County, New Mexico

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Thomas M. Price/lr

Thomas M. Price
Advanced Engineering Technician

TMP/9510.b/lr
Enclosure

Agreed and accepted this _____ day of _____ 1995

by _____, as representative of

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Mid-Continent Region
Production United States

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

Re: Request for Exception to Rule 303-A
Downhole Commingling
Jicarilla Apache No. 13E
UL "E" 1850' FNL & 930' FWL
Sec. 33, T-26-N, R-5-W
Mesa Verde and Basin Dakota Pools
Jicarilla Field
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Sincerely,

Thomas M. Price /lr

Thomas M. Price
Advanced Engineering Technician

TMP/9510.b/lr
Enclosure

Agreed and accepted this _____ day of _____ 1995

by _____, as representative of

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