



ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION



BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

2040 S. PACHECO
SANTA FE, NEW MEXICO 87505
(505) 827-7131

ADMINISTRATIVE ORDER DHC-1055

Meridian Oil Inc.
P. O. Box 4289
Farmington, New Mexico 87499-4289

Attention: Brian P. Ault

*Jicarilla "89" No. 6
Unit D, Section 13, Township 27 North, Range 3 West, NMPM,
Rio Arriba County, New Mexico.
Blanco-Mesaverde and Gavilan-Pictured Cliffs Gas Pools*

RECEIVED
NOV 14 1994
OIL CON. DIV.
DIST. 3

Dear Mr. Ault:

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 40 barrels per day, and total water production shall not exceed 80 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.

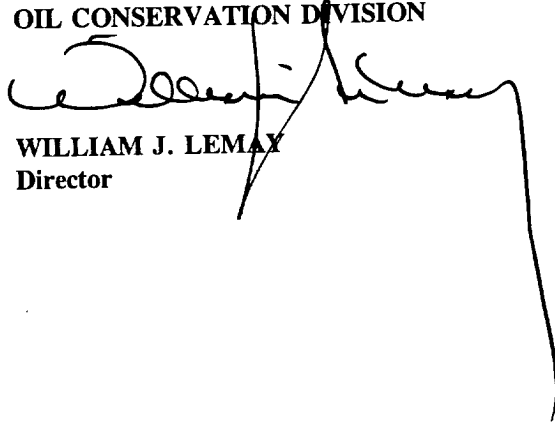
In accordance with the provisions of Rule 303-C, the supervisor of the Aztec District Office of the Oil Conservation Division shall determine the proper allocation of production from the subject well following its completion.

Pursuant to Rule 303-C-5, the commingling authority granted by the order may be rescinded by the Division Director if, in his opinion, conservation is not being best served by such commingling.

Administrative Order DHC-1055
Meridian Oil Inc.
November 9, 1994
Page 2

Approved at Santa Fe, New Mexico on this 9th day of November, 1994.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION


WILLIAM J. LEMAY
Director

S E A L

WJL/DC/kv

cc: Oil Conservation Division - Aztec
Bureau of Land Management -Farmington

Ernie Busch

From: Ernie Busch
To: David Catanach
Subject: MERIDIAN OIL INC (DHC)
Date: Wednesday, November 02, 1994 12:30PM
Priority: High

JICARILLA 89 #6 D-13-27N-03W
JICARILLA 94 #3A C-22-27N-03W
JICARILLA 95 #2A O-25-27N-03W
JICARILLA 95 #6A J-36-27N-03W

RECOMMEND: APPROVAL

MERIDIAN OIL

September 16, 1994

New Mexico Oil Conservation Division
Attn: Mr. Bill LeMay
P.O. Box 2088
310 Old Santa Fe Trail
Santa Fe, New Mexico, 87501

RECEIVED
OCT - 5 1994
OIL CON. DIV.
DIST. 3

RE: Jicarilla 89, 94 and 95 Leases

- Jicarilla 89 #6 Unit D, Section 13, T27N, R03W; PC add to existing MV well.
- Jicarilla 94 #3A Unit C, Section 22, T27N, R03W; PC add to existing MV well.
- Jicarilla 95 #2A Unit O, Section 25, T27N, R03W; MV/PC new drill.
- Jicarilla 95 #6A Unit J, Section 36, T27N, R03W; MV/PC new drill.

Rio Arriba County, New Mexico
Downhole Commingling Request

Dear Mr. LeMay:

Meridian Oil Inc. is applying for an administrative downhole commingling order for the referenced wells in the Gavilan Pictured Cliffs and the Blanco Mesaverde fields. The ownership of the zones to be commingled is common. All offset interest owners shown on the attached plats and the Bureau of Land Management will receive notice of this commingling application.

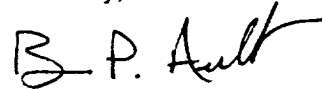
The Mesaverde and Pictured Cliffs wells in this area are marginal economic producers based on current rates of 10-90 MCFD for each zone. The projects are economic when commingled due to savings realized on surface facilities and tubulars. The only economical way to recover the Mesaverde and Pictured Cliffs reserves identified on the lease is to downhole commingle production from both zones in the wells proposed.

In the Pictured Cliffs pay adds to existing Mesaverde wells it is proposed to set a bridge plug above the Mesaverde formation, perforate and stimulate the Pictured Cliffs and test its production. The bridge plug will then be removed, and both zones produced through a single string of tubing. In the Mesaverde/Pictured Cliffs new drills, it is proposed to complete the Mesaverde formation and test its production, then set a bridge plug above the Mesaverde, perforate and stimulate the Pictured Cliffs, and test its production. The bridge plug will then be removed, and both zones produced through a single string of tubing. The reservoir characteristics of each of the subject zones are such that underground waste will not be caused by the proposed commingling. The fluids in the two reservoirs are compatible and no precipitates will be formed to cause damage to either reservoir (see attached fluid analyses and compatibility tests, completed for prior commingling on the Jicarilla 94 and 95 leases). The shut-in pressure for the Mesaverde and Pictured Cliffs are 550 and 490 psi, respectively.

The allocation of the commingled production will be calculated using flow tests from the Mesaverde and Pictured Cliffs during completion operations, and the surrounding production history from both producing intervals. Meridian will consult with the district supervisor of the Aztec NMOCD office for approval of the allocation.

Approval of this commingling application will allow for the prevention of wasted resources and the protection of correlative rights. The Mesaverde and Pictured Cliffs are commingled in nine other wells in this township as per NMOCD Order #'s R-5350 (01/17/77), R-6004 (05/02/79), DHC-924 and DHC-925 (09/27/93), DHC-984, 985, 986, 987, 988 (2/18/94). Two of these wells (DHC-924, 925) are completed, waiting on hook-up while seven (R-5350, -6004, DHC-984, 985, 986, 987, 988) are producing with no adverse affects from the commingling. Included with this letter are plats showing ownership of offsetting leases for both formations, copies of letters to offset operators and the Bureau of Land Management, and a detailed report of fluid compatibility.

Sincerely,

A handwritten signature in black ink, appearing to read "B. P. Ault", with a stylized flourish at the end.

Brian P. Ault
Production Engineer

BPA/rjp

Attachments

xc: Frank T. Chavez - NMOCD/Aztec

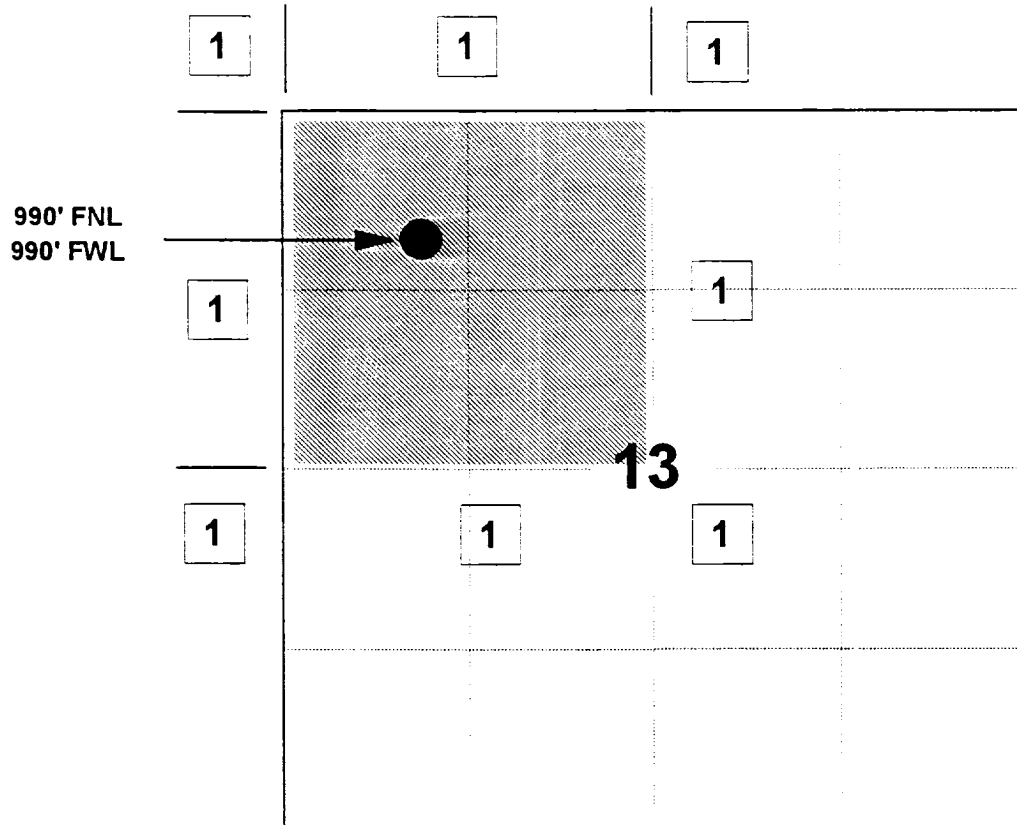
MERIDIAN OIL INC

JICARILLA 89 #6

OFFSET OPERATOR \ OWNER PLAT

Mesaverde / Pictured Cliffs Commingle Well

Township 27 North, Range 3 West



1) Meridian Oil Inc

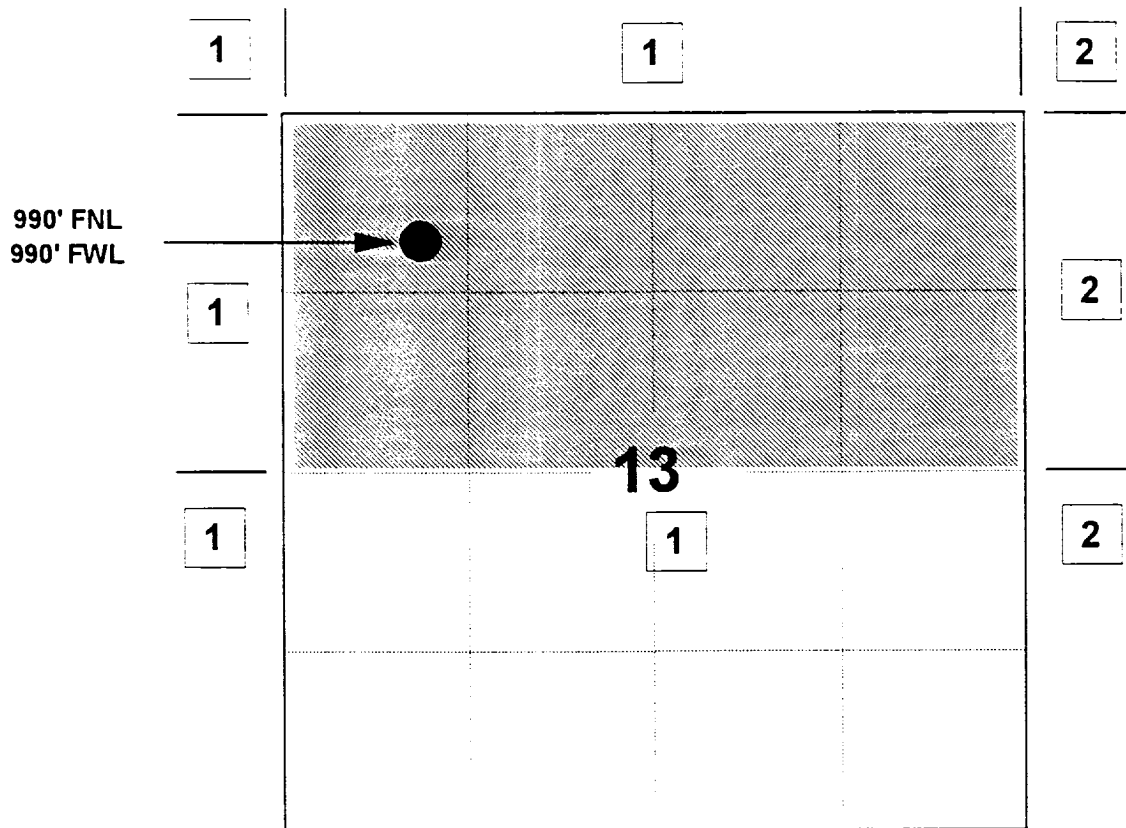
MERIDIAN OIL INC

JICARILLA 89 #6

OFFSET OPERATOR \ OWNER PLAT

Mesaverde / Pictured Cliffs Commingle Well

Township 27 North, Range 3 West



1) Meridian Oil Inc

2) Jicarilla Apache Tribe

PO Box 167, Dulce, NM 87528

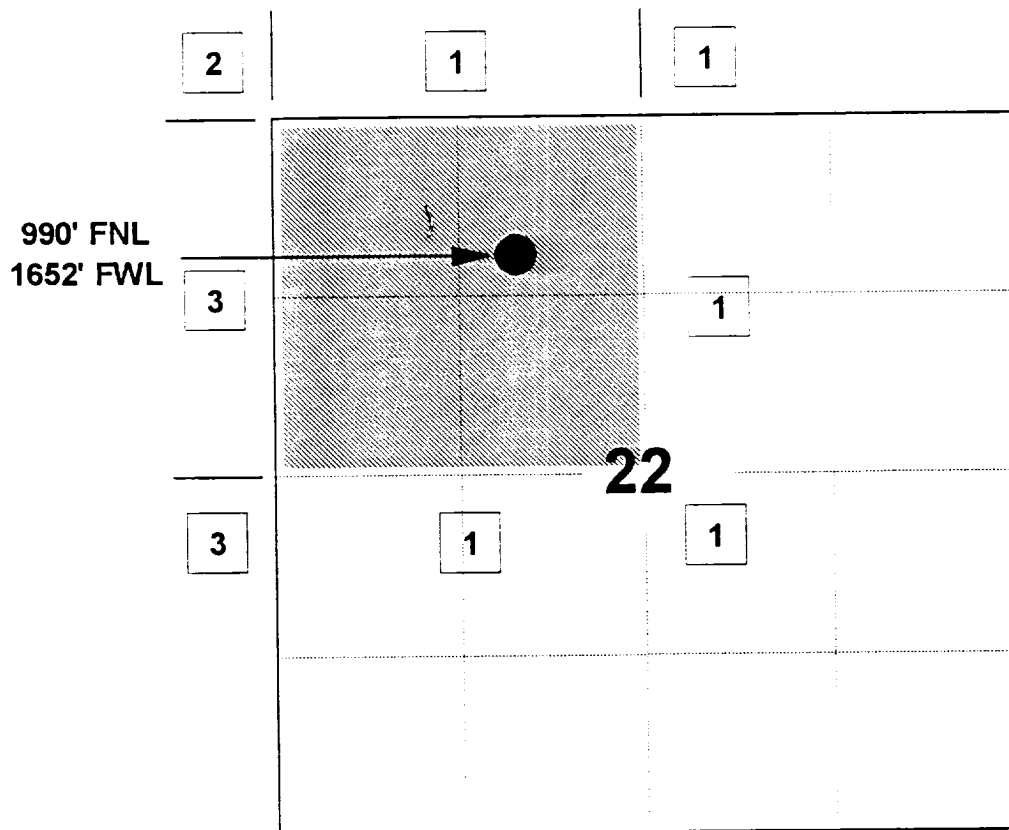
MERIDIAN OIL INC

JICARILLA 94 #3A

OFFSET OPERATOR \ OWNER PLAT

Mesaverde / Pictured Cliffs Commingle Well

Township 27 North, Range 3 West



1) Meridian Oil Inc

2) Williams Production Company

PO Box 58900, Salt Lake City, UT 84158-0900

3) Nassau Resources

650 South Cherry , Suite 1225, Denver, CO 80222

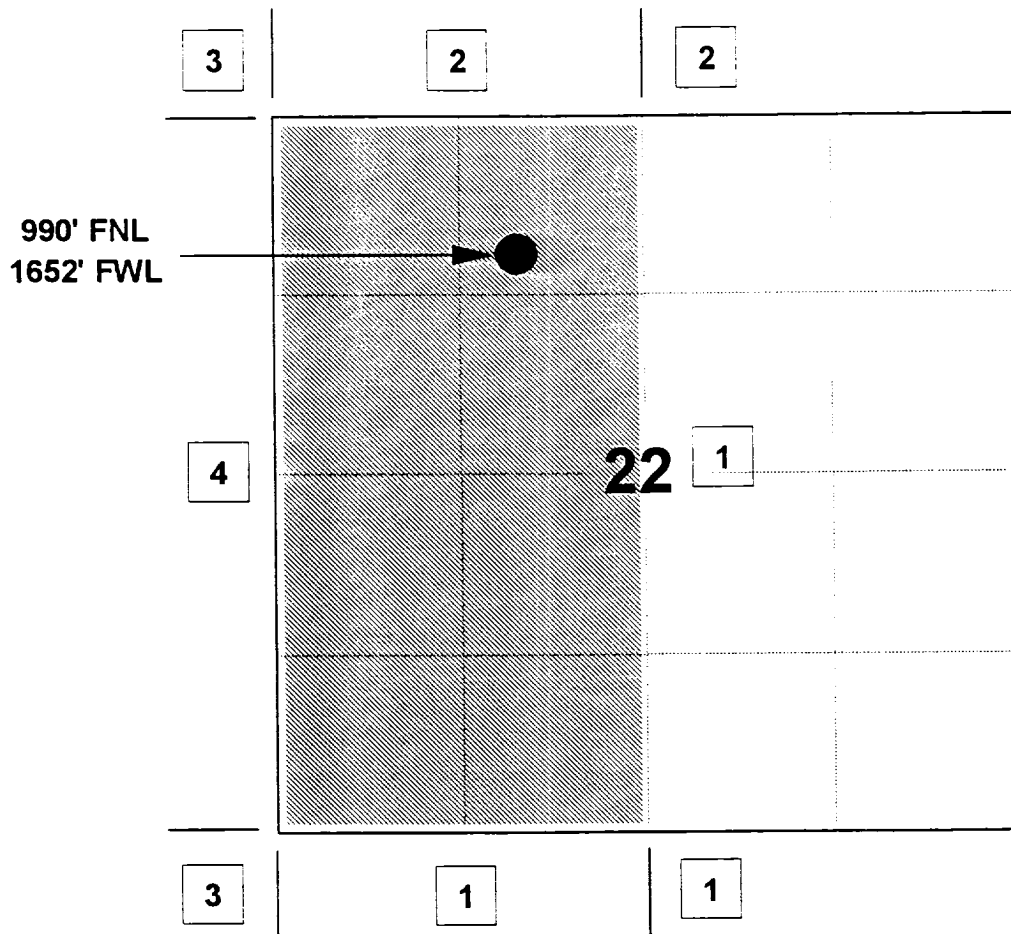
MERIDIAN OIL INC

JICARILLA 94 #3A

OFFSET OPERATOR \ OWNER PLAT

Mesaverde / Pictured Cliffs Commingle Well

Township 27 North, Range 3 West



1) Meridian Oil Inc

2) Meridian Oil Inc &

Nassau Resources

650 South Cherry , Suite 1225, Denver, CO 80222

3) Williams Production Company

PO Box 58900, Salt Lake City, UT 84158-0900

4) Nassau Resources

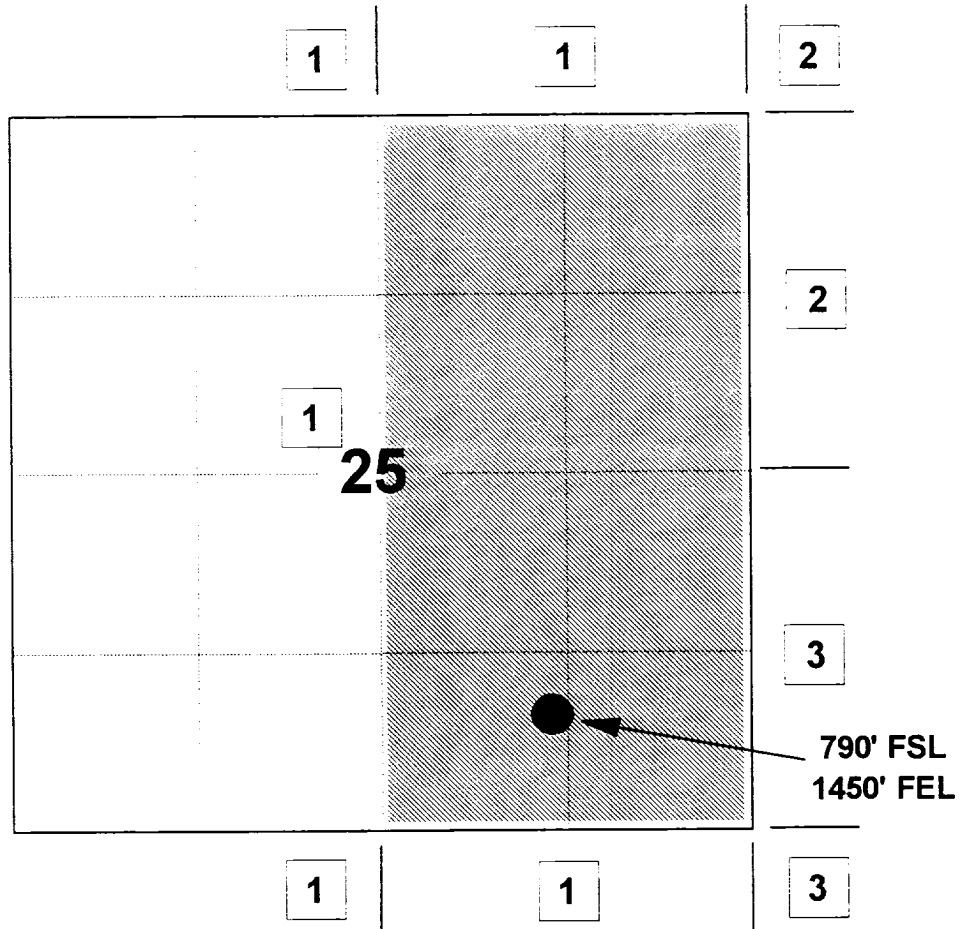
MERIDIAN OIL INC

JICARILLA 95 #2A

OFFSET OPERATOR \ OWNER PLAT

Mesaverde / Pictured Cliffs Commingle Well

Township 27 North, Range 3 West



1) Meridian Oil Inc

2) En Re Corp

4940 Broadway, Suite 200, San Antonio, TX 78209

3) Jicarilla Apache Tribe

PO Box 167, Dulce, NM 87528

Mesaverde Formation

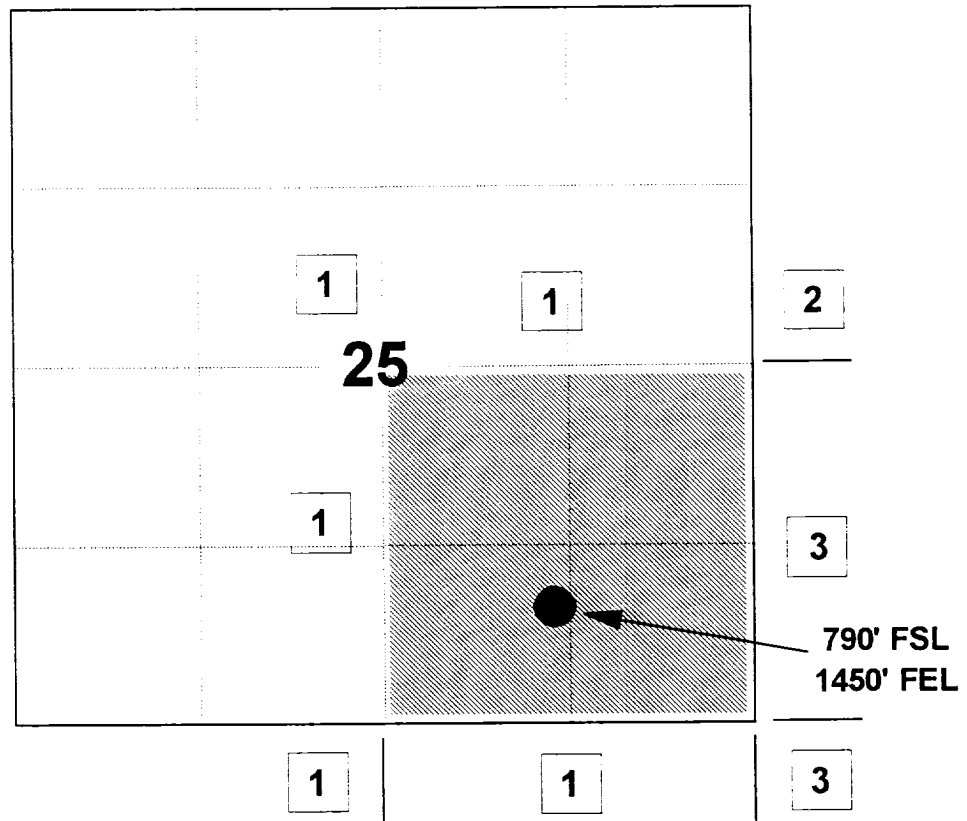
MERIDIAN OIL INC

JICARILLA 95 #2A

OFFSET OPERATOR \ OWNER PLAT

Mesaverde / Pictured Cliffs Commingle Well

Township 27 North, Range 3 West



1) Meridian Oil Inc

2) En Re Corp

4940 Broadway, Suite 200, San Antonio, TX 78209

3) Jicarilla Apache Tribe

PO Box 167, Dulce, NM 87528

Pictured Cliffs Formation

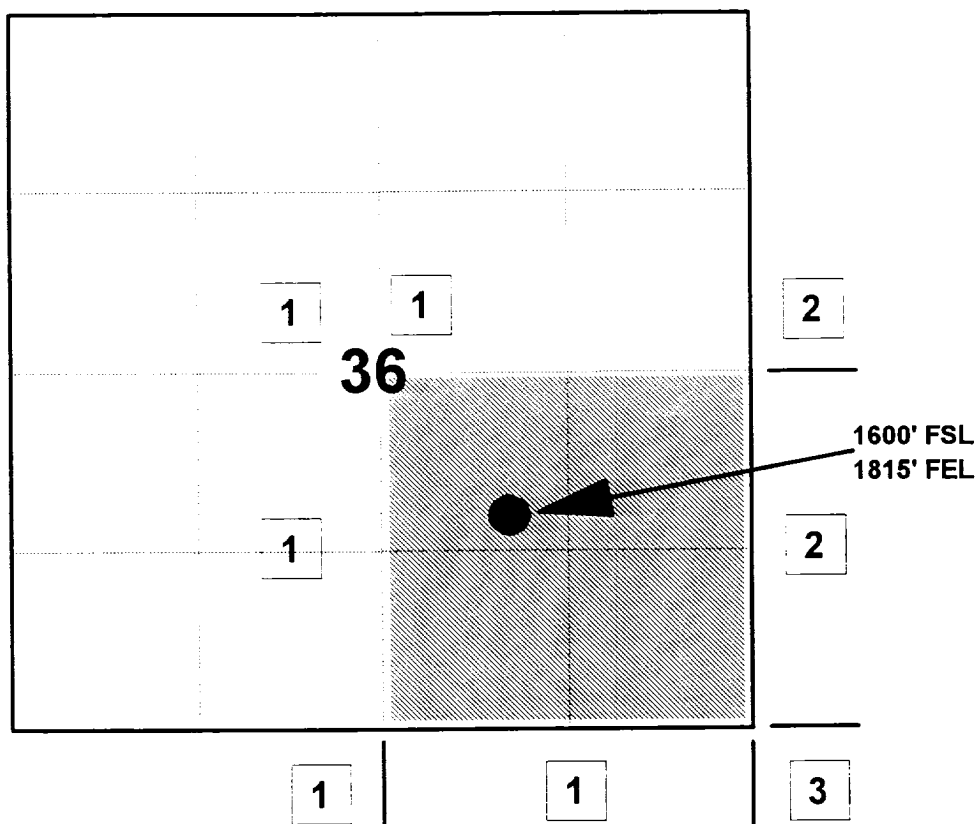
MERIDIAN OIL INC

JICARILLA 95 #6A

OFFSET OPERATOR \ OWNER PLAT

Pictured Cliffs / Mesaverde Formation Commingle

Township 27 North, Range 3 West



1) Meridian Oil Inc

2) Jicarilla Apache Tribe

PO Box 167, Dulce, NM 87528

3) Nassau Resources

650 South Cherry, Suite 1225, Denver, CO 80222

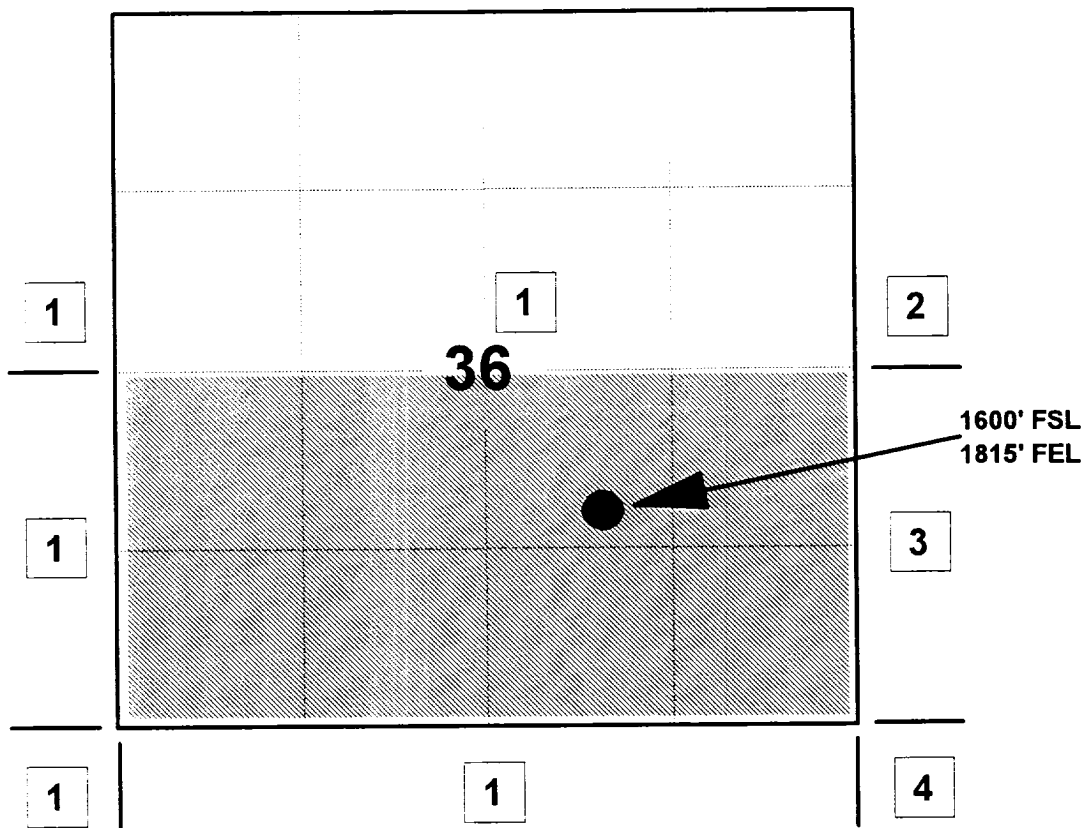
MERIDIAN OIL INC

JICARILLA 95 #6A

OFFSET OPERATOR \ OWNER PLAT

Pictured Cliffs / Mesaverde Formation Commingle

Township 27 North, Range 3 West



1) Meridian Oil Inc

2) Jicarilla Apache Tribe

PO Box 167, Dulce, NM 87528

3) Jicarilla Apache Tribe &

Jicarilla Energy Company, Attn: Thurman Velarde, PO Box 507, Dulce, NM 87528

4) William A. Gallaway 3005 Northridge Dr., Ste 1, Farmington, NM 87401 &

Nassau Resources 650 South Cherry, Suite 1225, Denver, CO 80222

MERIDIAN OIL

JICARILLA 98 AND 96 LEASE

RIO ARriba COUNTY, NM

MESA VERDE/PICTURED CLIFFS FORMATION



The Western Company

LABORATORY INVESTIGATION

PREPARED FOR

**MR. BRIAN AULT
PRODUCTION ENGINEER**

**SERVICE POINT
FARMINGTON, NM
(505) 327-6222**

**PREPARED BY
LOREN DIEDE / DAVE COLESON
DISTRICT ENGINEER
FARMINGTON**

MARCH 25, 1993

FM020658

March 25, 1993

Meridian Oil
Jicarilla 96 #2
Jicarilla 98 #5

Three samples from Jicarilla 96 #2 (1 oil, 2 water) and two samples from Jicarilla 98 #5 (2 condensates) were submitted for analysis on March 19, 1993 by Mr. Lesley K. Smith, Senior Reservoir Engineer for Meridian Oil.

These samples were to be analyzed to determine if commingling of each of the well products would have adverse effects on well production.

Samples submitted were:

1. Jicarilla 96 #2
 - a. Mesa Verde oil
 - b. Mesa Verde water
 - c. Pictured Cliffs water
2. Jicarilla 98 #5
 - a. Mesa Verde condensate
 - b. Pictured Cliffs condensate

Lab analysis performed:

1. Oil, condensate analysis
 - a. API gravity
 - b. Pour point
 - c. Cloud point
2. Water analysis
 - a. API water analysis
3. Observation and analysis of commingled oil, condensate and water as applicable for well.

Meridian Oil
Jicarilla 96 #2

Mesa Verde produced oil

Appearance	:	Light, amber oil
API gravity @ 60 degrees F	:	58.2
Cloud point	:	0 degrees C
Pour point	:	< -10 degrees C

Pictured Cliffs / Mesa Verde produced water
Combined (using high shear) with Mesa Verde produced oil (50:50
mix of waters and oil).

Appearance	:	Cloudy, amber emulsion
Separation	:	Beginning on cessation of shear
Precipitation	:	None observed
Separation @ time	:	At 1 hour - complete

Summary of results:

No precipitation or other observed adverse reaction from
combined waters or from combination of the oil and waters.

Analysis forms follow.

Analysis done by: _____
Dave Coleson



The Western Company of North America

3250 South Side River Road
Farmington, New Mexico 87401
Phone (505)327-6222
Fax (505)327-5766

API WATER ANALYSIS

Company Meridian Sample No. SL1393 Date Sampled 3/8/93
Field _____ Legal Description T26N R03 W, SEC 2 County or Parish La Brea State NM
Lease or Unit A Well IC 96 # 2 Depth _____ Formation PC Water: B/D _____
Type of Water (Produced, Supply, ect.) PRODUCED Sampling Point _____ Sampled By _____

DISSOLVED SOLIDS

CATIONS

	mg/l	me/l
Sodium, Na	<u>1601</u>	<u>69.6</u>
Calcium, Ca	<u>48</u>	<u>2.4</u>
Magnesium, Mg	<u>5</u>	<u>0.4</u>
Barium, Ba	_____	_____
_____	_____	_____
_____	_____	_____

ANIONS

Chloride, Cl	<u>2061</u>	<u>58</u>
Sulfate, SO ₄	_____	_____
Carbonate, CO ₃	_____	_____
Bicarbonate, HCO ₃	<u>976</u>	<u>16</u>
Hydroxide, OH	_____	_____
_____	_____	_____
_____	_____	_____

Total Dissolved Solids (calc.) 4691

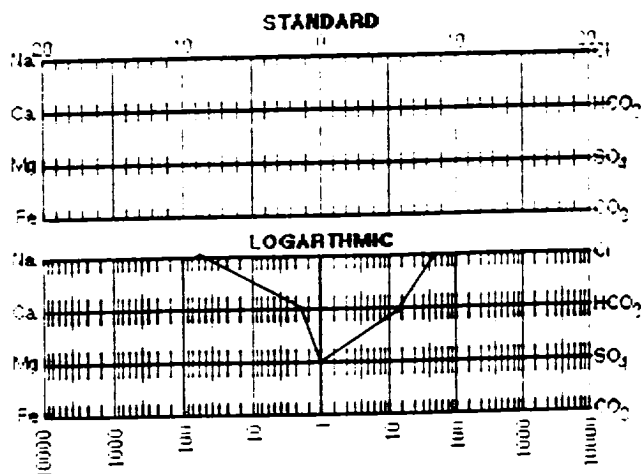
Iron, Fe (total) _____
Sulfide, as H₂S _____

Remarks & Recommendations:

OTHER PROPERTIES

pH	<u>7.12</u>
Specific Gravity, 60/60 F	<u>1.00</u>
Resistivity (ohm-meters) <u>75</u> °C	<u>165</u>
Total Hardness	<u>140</u>
_____	_____
_____	_____

WATER PATTERNS-me/l



Analyst: DC



The Western Company of North America

3250 South Side River Road
Farmington, New Mexico 87401
Phone (505)327-6222
Fax (505)327-5766

API WATER ANALYSIS

Company Meridian Sample No. 511493 Date Sampled 3/8/93
Field _____ Legal Description T26N R03W, S02E County or Parish La Brea State NM
Lease or Unit A Well 1c 96 # 2 Depth _____ Formation MV Water B/D _____
Type of Water (Produced, Supply, ect.) Produced Sampling Point _____ Sampled By _____

DISSOLVED SOLIDS

CATIONS

	mg/l	me/l
Sodium, Na	<u>1014</u>	<u>44</u>
Calcium, Ca	<u>40</u>	<u>20</u>
Magnesium, Mg	<u>5</u>	<u>0.4</u>
Barium, Ba	_____	_____
_____	_____	_____
_____	_____	_____

ANIONS

Chloride, Cl	<u>1649</u>	<u>46.5</u>
Sulfate, SO ₄	_____	_____
Carbonate, CO ₃	_____	_____
Bicarbonate, HCO ₃	<u>1096</u>	<u>18</u>
Hydroxide, OH	_____	_____
_____	_____	_____
_____	_____	_____

Total Dissolved Solids (calc.) 3804

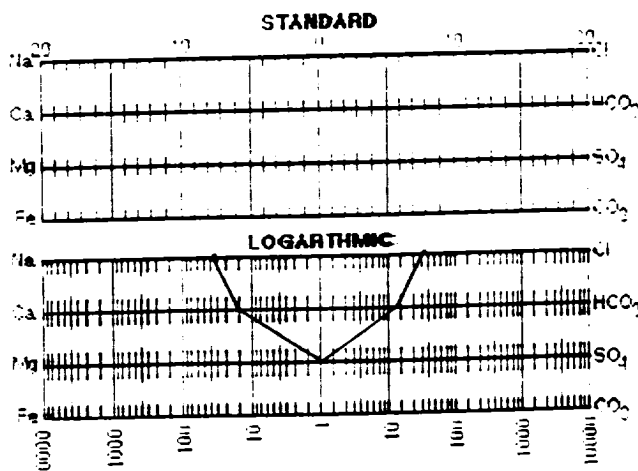
Iron, Fe (total) _____
Sulfide, as H₂S _____

Remarks & Recommendations:

OTHER PROPERTIES

pH	<u>6.52</u>
Specific Gravity, 60/60 F	<u>1.002</u>
Resistivity (ohm-meters) <u>44</u> °C	<u>3.7</u>
Total Hardness	<u>130</u>
_____	_____
_____	_____

WATER PATTERNS-me/l



Analyst: TD



The Western Company of North America

3250 South Side River Road
Farmington, New Mexico 87401
Phone (505)327-6222
Fax (505)327-5766

API WATER ANALYSIS

Company MERIDIAN Sample No. 21593 Date Sampled 3/8/93
Field _____ Legal Description T26N R03W, SEC 2 County or Parish Doña Ana State NM
Lease or Unit A Well 1c 96 # 2 Depth _____ Formation EC/W Water Brd _____
Type of Water (Produced, Supply, etc.) PRODUCED Sampling Point _____ Sampled By _____

DISSOLVED SOLIDS

CATIONS

	mg/l	me/l
Sodium, Na	<u>922</u>	<u>40</u>
Calcium, Ca	<u>40</u>	<u>20</u>
Magnesium, Mg	<u>5</u>	<u>0.4</u>
Barium, Ba	_____	_____
_____	_____	_____
_____	_____	_____

ANIONS

Chloride, Cl	<u>1649</u>	<u>46.5</u>
Sulfate, SO ₄	_____	_____
Carbonate, CO ₃	_____	_____
Bicarbonate, HCO ₃	<u>800</u>	<u>14</u>
Hydroxide, OH	_____	_____
_____	_____	_____
_____	_____	_____

Total Dissolved Solids (calc.) 3466

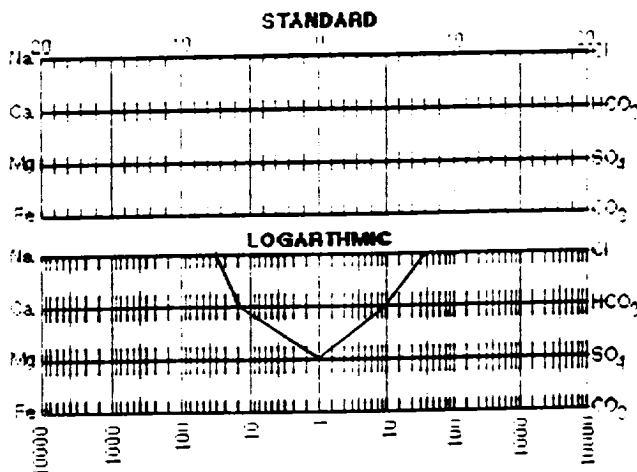
Iron, Fe (total) —
Sulfide, as H₂S —

Remarks & Recommendations:

OTHER PROPERTIES

pH	<u>7.29</u>
Specific Gravity, 60/60 F	<u>1.005</u>
Resistivity (ohm-meter) <u>70</u> =	<u>2.2</u>
Total Hardness	<u>120</u>
_____	_____
_____	_____

WATER PATTERNS-me/l



Analyst: DC



Date 3/22/93
M13193

Rocky Mountain Region

THE WESTERN COMPANY

Oil Analysis

Operator <u>MEERDIAN</u>	Date Sampled _____
Well <u>11C 96 #2</u>	Date Received <u>MAR. 18/93</u>
Field _____	Submitted By _____
Formation <u>MESA VERDE</u>	Worked By <u>DC</u>
Depth _____	Sample Description _____
County <u>RO ARRIOLA</u>	<u>LIGHT, AMBER LIQUID</u>
State <u>N.M.</u>	_____

API Gravity 58.2 ° at 60°F

Paraffin Content _____ % by weight

Asphaltene Content _____ % by weight

Pour Point _____ °F

Cloud Point _____ °F

Comments:

56.8 @ 40° F

Analyst DC

Meridian Oil
Jicarilla 98 #5

Results of analysis:
Pictured Cliffs produced condensate:

Appearance	:	Light, clear oil
API gravity @ 60 degrees F	:	61.3 @ 60 degrees F
Cloud point	:	< -8 degree C
Pour point	:	< -8 degrees C

Mesa Verde produced condensate:

Appearance	:	Light, clear liquid
API gravity @ 60 degrees F	:	62.6 @ 60 degrees F
Cloud point	:	< -8 degree C
Pour point	:	< -8 degrees C

Commingled Pictured Cliffs and Mesa Verde condensates:

Appearance	:	Light, clear liquid
API gravity @ 60 degrees F	:	59.6 @ 60 degrees F
Cloud point	:	< -8 degree C
Pour point	:	< -8 degrees C

Summary of results:

The mixture of the two condensates displayed no adverse reaction regarding precipitation of solids.

Analysis forms follow:

Analysis done by: _____
Dave Coleson



Date 3/22/93
1413093

Rocky Mountain Region

THE WESTERN COMPANY

Oil Analysis

Operator MERIDIAN Date Sampled 3/8/93
Well < 10 98-5 Date Received 3/19/93
Field _____ Submitted By _____
Formation MESA VERDE Worked By DC
Depth _____ Sample Description _____
County RIO ARIZONA CLEAR LIQUID
State NM

API Gravity 62.6 ° at 60°F

Paraffin Content _____ % by weight

Asphaltene Content _____ % by weight

Pour Point _____ °F

Cloud Point _____ °F

Comments:

61 @ 46°F

Analyst DC



Date 3/24/93
MI 3293

Rocky Mountain Region

THE WESTERN COMPANY

Oil Analysis

Operator MERIDIAN Date Sampled 3/8/93
Well Cic 98-5 Date Received _____
Field _____ Submitted By _____
Formation MD/PC Worked By DC
Depth _____ Sample Description _____
County RO ARRIBA BOTH CLEAR & LIGHT
State NM _____

API Gravity 36.6° at 60°F

Paraffin Content _____ % by weight

Asphaltene Content _____ % by weight

Pour Point _____ °F

Cloud Point _____ °F

Comments:

60.5 @ 68°F

CLEAR LIQUID - REMAINED CLEAR @ NO PRECIP.

Analyst DC



Date 3/22/93
113493

Rocky Mountain Region

THE WESTERN COMPANY

Oil Analysis

Operator MERIDIAN Date Sampled 3/8/93
Well _____ Date Received 3/19/93
Field _____ Submitted By _____
Formation PICTURED CLIFFS Worked By DC
Depth _____ Sample Description _____
County RIO ARRIBA CLEAR, LIGHT LIQUID
State NM

API Gravity 61.3° at 60°F

Paraffin Content _____ % by weight

Asphaltene Content _____ % by weight

Pour Point _____ °F

Cloud Point _____ °F

Comments:

59.9 @ 44°

Analyst DC

MERIDIAN OIL

September 16, 1994

Bureau of Land Management
Robert Kent
435 Montano NE
Albuquerque, NM 87107

RE: Jicarilla 89, 94 and 95 Leases

- Jicarilla 89 #6 Unit D, Section 13, T27N, R03W; PC add to existing MV well.
- Jicarilla 94 #3A Unit C, Section 22, T27N, R03W; PC add to existing MV well.
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- Jicarilla 95 #6A Unit J, Section 36, T27N, R03W; MV/PC new drill.

Rio Arriba County, New Mexico
Downhole Commingling Request

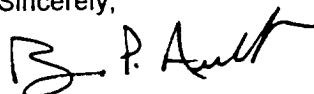
Gentlemen:

Meridian Oil, Inc. is in the process of applying for a downhole commingling order for the referenced wells in Rio Arriba County, New Mexico, in the Gavilan Pictured Cliffs and the Blanco Mesaverde fields.

The purpose of this letter is to notify you of such action. If you have no objections to the proposed commingling order, we would appreciate your signing this letter and returning it to this office.

Your prompt attention to this matter would be appreciated.

Sincerely,



Brian P. Ault
Production Engineering

BPA/rjp

The above downhole commingling request is hereby approved:

Date: _____

MERIDIAN OIL

September 16, 1994

Jicarilla Apache Tribe
P.O. Box 167
Dulce, NM 87528

RE: Jicarilla 89, 94 and 95 Leases

- Jicarilla 89 #6 Unit D, Section 13, T27N, R03W; PC add to existing MV well.
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Rio Arriba County, New Mexico
Downhole Commingling Request

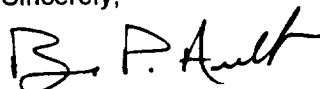
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Sincerely,



Brian P. Ault
Production Engineering

BPA/rjp

The above downhole commingling request is hereby approved:

Date: _____

MERIDIAN OIL

September 16, 1994

Williams Production Company
P.O. Box 58900
Salt Lake City, UT 84158-0900

RE: Jicarilla 89, 94 and 95 Leases

- Jicarilla 89 #6 Unit D, Section 13, T27N, R03W; PC add to existing MV well.
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Rio Arriba County, New Mexico
Downhole Commingling Request

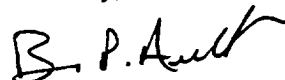
Gentlemen:

Meridian Oil, Inc. is in the process of applying for a downhole commingling order for the referenced wells in Rio Arriba County, New Mexico, in the Gavilan Pictured Cliffs and the Blanco Mesaverde fields.

The purpose of this letter is to notify you of such action. If you have no objections to the proposed commingling order, we would appreciate your signing this letter and returning it to this office.

Your prompt attention to this matter would be appreciated.

Sincerely,



Brian P. Ault
Production Engineering

BPA/rjp

The above downhole commingling request is hereby approved:

Date: _____

MERIDIAN OIL

September 16, 1994

Nassau Resources
650 South Cherry, Suite 1225
Denver, CO 80222

RE: Jicarilla 89, 94 and 95 Leases

- Jicarilla 89 #6 Unit D, Section 13, T27N, R03W; PC add to existing MV well.
- Jicarilla 94 #3A Unit C, Section 22, T27N, R03W; PC add to existing MV well.
- Jicarilla 95 #2A Unit O, Section 25, T27N, R03W; MV/PC new drill.
- Jicarilla 95 #6A Unit J, Section 36, T27N, R03W; MV/PC new drill.

Rio Arriba County, New Mexico
Downhole Commingling Request

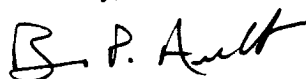
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Sincerely,



Brian P. Ault
Production Engineering

BPA/rjp

The above downhole commingling request is hereby approved:

Date: _____

MERIDIAN OIL

September 16, 1994

En Re Corp.
4940 Broadway, Suite 200
San Antonio, TX 78209

RE: Jicarilla 89, 94 and 95 Leases

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- Jicarilla 94 #3A Unit C, Section 22, T27N, R03W; PC add to existing MV well.
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Rio Arriba County, New Mexico
Downhole Commingling Request

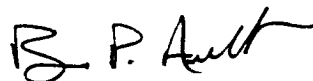
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Sincerely,



Brian P. Ault
Production Engineering

BPA/rjp

The above downhole commingling request is hereby approved:

Date: _____

MERIDIAN OIL

September 16, 1994

William A. Gallaway
3005 Northridge Drive, Suite 1
Farmington, NM 87401

RE: Jicarilla 89, 94 and 95 Leases

- Jicarilla 89 #6 Unit D, Section 13, T27N, R03W; PC add to existing MV well.
- Jicarilla 94 #3A Unit C, Section 22, T27N, R03W; PC add to existing MV well.
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Rio Arriba County, New Mexico
Downhole Commingling Request

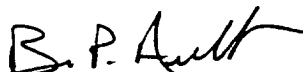
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