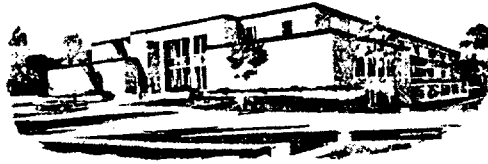


State of New Mexico

# 318



W.R. HUMPHRIES  
COMMISSIONER



Commissioner of Public Lands

SLO REF NO OG-729

P.O. BOX 1148  
SANTA FE, NEW MEXICO 87504-1148

March 24, 1988

Blackwood & Nichols Co.  
ATTN: Mr. Charles Blackwood  
P. O. Box 1237  
Durango, Colorado 81302-1237

Re: 1988 Plan of Development  
NE Blanco Unit  
San Juan & Rio Arriba Counties, N.M.

Gentlemen:

The Commissioner of Public Lands has this date approved your 1988 Plan of Development for the above captioned unit area.

Our approval is subject to like approval by all other appropriate agencies.

Enclosed is an approved copy for your files.

If we may be of further help please do not hesitate to call on us.

Very truly yours,

W. R. HUMPHRIES  
COMMISSIONER OF PUBLIC LANDS

BY:

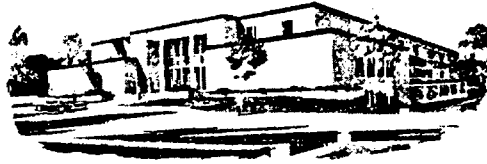
*Floyd O. Prando*  
FLOYD O. PRANDO, Director  
Oil and Gas Division  
(505) 827-5744

WRH/FOP/pm  
encs.  
cc: OCD  
BLM

# State of New Mexico



W.R. HUMPHRIES  
COMMISSIONER



## Commissioner of Public Lands

SLO REF NO OG-730

P.O. BOX 1148  
SANTA FE, NEW MEXICO 87504-1148

March 24, 1988

Blackwood & Nichols Co., Inc.  
Attn: Mr. William F. Clark  
P. O. Box 1237  
Durango, Colorado 81302-1237

Re: 1988 Plan of Development  
NE Blanco Unit  
San Juan & Rio Arriba Counties, NM

Gentlemen:

The Commissioner of Public Lands has this date approved your 1988 Plan of Development for the above captioned unit area.

Our approval is subject to like approval by all other appropriate agencies.

Enclosed is an approved copy for your files.

If we may be of further help please do not hesitate to call on us.

Very truly yours,

W. R. HUMPHRIES  
COMMISSIONER OF PUBLIC LANDS

BY: *Floyd O. Prando*  
FLOYD O. PRANDO, Director  
Oil and Gas Division  
(505) 827-5744

WRH/FOP/pm  
encs.  
cc: OCD  
BLM

**BLACKWOOD & NICHOLS Co., LTD.**

P.O. BOX 1237  
DURANGO, COLORADO 81302-1237

(303) 247-0728

March 10, 1988

United States Department of the Interior  
Bureau of Land Management  
435 Montano Road, N.E.  
Albuquerque, New Mexico 87107

Commissioner of Public Lands  
State of New Mexico  
P. O. Box 1148  
Santa Fe, New Mexico 87501

State of New Mexico  
Energy and Minerals Department  
Oil Conservation Division  
P. O. Box 2088  
State Land Office Building  
Santa Fe, New Mexico 87501

Re: Northeast Blanco Unit No. 1, Sec. 929  
San Juan and Rio Arriba Counties,  
New Mexico

Gentlemen:

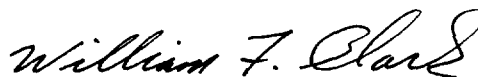
Blackwood & Nichols Co., Ltd., as Unit Operator, on behalf of itself and all owners of oil and gas leases within the Northeast Blanco Unit, hereby submits a supplement to the Plan of Development for the calendar year 1988.

We propose to drill ten wells to develop the Fruitland Coal in the Northeast Blanco Unit during 1988. Attached is a list of these well numbers and locations.

Please approve this supplement to the Plan of Development as soon as possible. Thank you for your cooperation in this matter.

Sincerely,

BLACKWOOD & NICHOLS CO., LTD.



William F. Clark  
Operations Manager

WFC:ew

Attachment

1988 Proposed Fruitland Coal Drilling Program

Northeast Blanco Unit

<u>Well</u> <u>No.</u>	<u>Location</u>
1) 400	SW 1/4, Section 7, T31N, R6W
2) 402	NE 1/4, Section 5, T30N, R7W
3) 404	W 1/2, Section 34, T31N, R7W
4) 406	NE 1/4, Section 22, T31N, R7W
5) 401	SW 1/4, Section 9, T30N, R7W
6) 403	NE 1/4, Section 9, T30N, R7W
7) 405	SW 1/4, Section 21, T30N, R7W
8) 407	NE 1/4, Section 21, T30N, R7W
9) 409	SW 1/4, Section 10, T30N, R7W
10) 411	NE 1/4, Section 10, T30N, R7W

Approved: \_\_\_\_\_ Date: \_\_\_\_\_

United States Department of the Interior  
Bureau of Land Management  
435 Montano Road, NE  
Albuquerque, New Mexico 87107

Subject to like approval by the Commissioner of Public Lands and  
Oil Conservation Disision.

Approved: \_\_\_\_\_ Date: \_\_\_\_\_

Commissioner of Public Lands  
State of New Mexico  
P. O. Box 1148  
Santa Fe, New Mexico 87501

Subject to like appraoval by the Minerals Management Service and  
the Oil Conservation Division.

Approved:  Date: 3-17-88

State of New Mexico  
Energy and Minerals Department  
Oil Conservation Division  
P. O. Box 2088  
State Land Office Building  
Santa Fe, New Mexico 87501

Subject to like approval by the Minerals Management Service and  
Commissioner of Public Lands.

The above approvals for the Northeast Blanco Unit Agreement No. 1, Section 929,  
San Juan and Rio Arriba Counties, New Mexico,  
March 10, 1988 Supplement to the 1988 Plan of Development

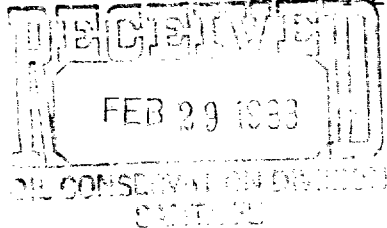
**BLACKWOOD & NICHOLS CO., LTD.**

P.O. BOX 1237

DURANGO, COLORADO 81302-1237

(303) 247-0728

February 26, 1988



United States Department of the Interior  
Bureau of Land Management  
435 Montano Road, N.E.  
Albuquerque, New Mexico 87107

Commissioner of Public Lands  
State of New Mexico  
P. O. Box 1148  
Santa Fe, New Mexico 87501

State of New Mexico  
Energy and Minerals Department  
Oil Conservation Division  
P. O. Box 2088  
State Land Office Building  
Santa Fe, New Mexico 87501

Re: **Northeast Blanco Unit No. 1, Sec. 929**  
San Juan and Rio Arriba Counties,  
New Mexico

Gentlemen:

Blackwood & Nichols Co., Ltd., as Unit Operator, on behalf of itself and all owners of oil and gas leases within the Northeast Blanco Unit, hereby submits a Plan of Development for the calendar year 1988.

The following information indicates the development of the Northeast Blanco Unit and summarizes production through 1987.

**Completions**

<u>Formation</u>	<u>Number of Wells</u>	<u>Status &amp; Remarks</u>
Fruitland	16	Total
Pictured Cliffs	14	Producing
(Commingled)	2	Completed but not connected
Mesaverde	128	Total
	128	Producing
	11	Plugged & Abandoned
Dakota	8	Total
	1	Dual with Pictured Cliffs (not connected)
	4	Dual with Mesaverde
	2	Dual with Gallup
	1	Single completion
Gallup	2	Total
	<u>2</u>	Dual with Dakota
	154	Total Wells

**Production by Formation:**

<u>Formation</u>	<u>Cumulative thru 12-31-87:</u>	
	<u>Gas</u>	<u>Condensate</u>
Fruitland	1,379,307 MCF	3,309 Bbls
Pictured Cliffs		
Mesaverde	307,178,972 MCF	100,043 Bbls
Gallup	57,339 MCF	0 Bbls
Dakota	<u>6,107,259 MCF</u>	<u>0 Bbls</u>
Unit Total	314,722,877 MCF	103,352 Bbls

Unit Operator does not anticipate drilling any wells within the Unit area during the calendar year 1988 in the Mesaverde, Gallup or Dakota formations. This is because pursuant to Section 17 of the Unit Agreement, we believe all offset obligations have been fulfilled.

Currently the Unit Operator and Working Interest Owners of the Fruitland formation are considering a drilling program for 1988. We hope to discuss and conclude this issue during March. If Fruitland wells are to be drilled, you will be advised in a supplemental letter.

During 1987, one well was drilled in the Northeast Blanco Unit. Originally planned as a single Dakota development well, the Northeast Blanco Unit No. 304 was completed in both the Pictured Cliffs and Dakota formations. Currently this well is shut in waiting for pipeline connection.

If this Plan is acceptable, please indicate your approval as required under Section 10 of the Unit Agreement in the space provided on the attached form and return two approved copies to Blackwood & Nichols Co., Ltd.

The effective date of this Plan of Development shall be January 1, 1988.

Very truly yours,

BLACKWOOD & NICHOLS CO., LTD.

By: Charles F. Blackwood

Four copies to each addressee



Approved: \_\_\_\_\_ Date: \_\_\_\_\_

United States Department of the Interior  
Bureau of Land Management  
435 Montano Road, N.E.  
Albuquerque, New Mexico 87107

Subject to like approval by the Commissioner of Public Lands and  
Oil Conservation Division.

Approved: \_\_\_\_\_ Date: \_\_\_\_\_

Commissioner of Public Lands  
State of New Mexico  
P.O. Box 1148  
Santa Fe, New Mexico 87501

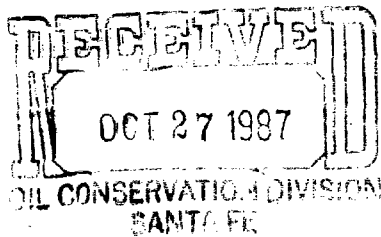
Subject to like approval by the Bureau of Land Management and the  
Oil Conservation Division.

Approved:  \_\_\_\_\_ Date: 3-3-88

State of New Mexico  
Energy and Minerals Department  
Oil Conservation Division  
P.O. Box 2088  
State Land Office Building  
Santa Fe, New Mexico 87501

Subject to like approval by the Bureau of Land Management and the  
Commissioner of Public Lands.

The above approvals are for the Northeast Blanco Unit Agreement No. 1, Section 929,  
San Juan and Rio Arriba Counties, New Mexico,  
1988 Plan of Development



OCT 28 1987

Northeast Blanco  
3180 (015) (POD)

Blackwood & Nichols Co. LTD  
ATTN: William Glan  
P.O. Box 1237  
Durango, CO 81302-1237

Gentlemen:

One approved copy of your First Amendment to the 1987 Plan of Development for the Northeast Blanco Unit area, San Juan and Rio Arriba Counties, New Mexico is enclosed. Such plan, proposing the drilling of the No. 304, located in the SW $\frac{1}{4}$  of Section 30, T. 31 N., R. 6 W., is approved on this date subject to like approval by the appropriate officials of the State of New Mexico.

In the future please submit three copies of all unit actions.

If you have any question, please contact Shirley Bryant at the above address or telephone (505) 761-4503.

Sincerely,

(Orig. Signed) - Sid Vogelpohl

Assistant District Manager  
Mineral Resources

Enclosures

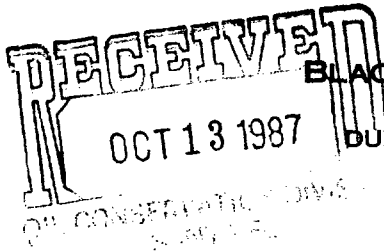
cc:

DMOCD, Santa Fe w/o encl.

Comm. of Pub. Lands, Santa Fe w/o encl.

NM-016

015:SBryant:jms:10/22/87:3590N



BLACKWOOD & NICHOLS CO., LTD.

P.O. BOX 1237

DURANGO, COLORADO 81302-1237

(303) 247-0728

October 8, 1987

United States Department of the Interior  
Bureau of Land Management  
435 Montano Road, N.E.  
Albuquerque, New Mexico 87107

Commissioner of Public Lands  
State of New Mexico  
P. O. Box 1148  
Santa Fe, New Mexico 87501

State of New Mexico  
Energy and Minerals Department  
Oil Conservation Division  
P. O. Box 2088  
State Land Office Building  
Santa Fe, New Mexico 87501

Re: Northeast Blanco Unit No. 1, Sec. 929  
San Juan and Rio Arriba Counties,  
New Mexico

Gentlemen:

Blackwood & Nichols Co., Ltd., as Unit Operator, on behalf of itself and all owners of oil and gas leases within the Northeast Blanco Unit, hereby submits a second supplement to the Plan of Development for the calendar year 1987.

By letter dated August 10, 1987, we proposed to drill seven wells in the Northeast Blanco Unit during 1987. However, a majority of the Working Interest Owners did not want to participate in this drilling program due to budget considerations. Therefore, Blackwood & Nichols Co., Ltd. wishes to inform you the 1987 drilling program has been reduced to one well.

Dakota Formation

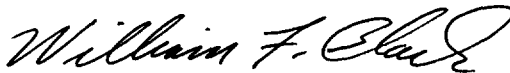
Number 304 - SW 1/4, Section 30, T31N, R6W, Rio Arriba County, New Mexico

United States Department of Interior  
October 8, 1987  
Page 2

Please update your records based on this second supplement. Thank you for your cooperation in this matter.

Sincerely,

BLACKWOOD & NICHOLS CO., LTD.



William F. Clark  
Operations Manager

WFC:ew

Approved: \_\_\_\_\_ Date: \_\_\_\_\_

United States Department of the Interior  
Bureau of Land Management  
435 Montano Road, NE  
Albuquerque, New Mexico 87107

Subject to like approval by the Commissioner of Public Lands and Oil Conservation Disision.

Approved: \_\_\_\_\_ Date: \_\_\_\_\_

Commissioner of Public Lands  
State of New Mexico  
P. O. Box 1148  
Santa Fe, New Mexico 87501

Subject to like appraoval by the Minerals Management Service and the Oil Conservation Division.

Approved:  \_\_\_\_\_ Date: 10-13-87

State of New Mexico  
Energy and Minerals Department  
Oil Conservation Division  
P. O. Box 2088  
State Land Office Building  
Santa Fe, New Mexico 87501

Subject to like approval by the Minerals Management Service and Commissioner of Public Lands.

The above approvals for the Northeast Blanco Unit Agreement No. 1, Section 929, San Juan and Rio Arriba Counties, New Mexico,  
Second Supplement to the 1987 Plan of Development - October 8, 1987

# State of New Mexico



W.R. HUMPHRIES  
COMMISSIONER



## Commissioner of Public Lands

SLO REF NO. OG-476

P.O. BOX 1148  
SANTA FE, NEW MEXICO 87504-1148

October 2, 1987

Blackwood & Nichols Co., Ltd  
ATTENTION: Mr. William Clark  
P. O. Box 1237  
Durango, Colorado 81302-1237

Re: Northeast Blanco, Unit  
Amended 1987 Plan of Development  
San Juan & Rio Arriba Counties  
New Mexico

Gentlemen:

The Commissioner of Public Lands has this date approved your Amended 1987 Plan of Development for the Northeast Blanco Unit Area, San Juan & Rio Arriba Counties, New Mexico. Such plan calls for the drilling of three Mesaverde, two Fruitland/Pictured Cliffs, and two Dakota wells.

Our approval is subject to like approval by the New Mexico Oil Conservation Division and the Bureau of Land Management.

Enclosed is an approved copy for your files.

If we may be of further help please do not hesitate to call on us.

Very truly yours,

W. R. HUMPHRIES  
COMMISSIONER OF PUBLIC LANDS

BY:  
FLOYD O. PRANDO, Director  
Oil and Gas Division  
(505) 827-5744

WRH/FOP/pm  
encls.

cc: OCD-Santa Fe, New Mexico  
BLM-Albuquerque, New Mexico Attn: Fluids Branch

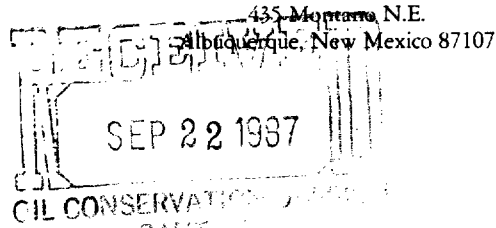


# United States Department of the Interior

BUREAU OF LAND MANAGEMENT  
ALBUQUERQUE DISTRICT OFFICE

TAKE  
PRIDE IN  
AMERICA

IN REPLY REFER TO:



Northeast Blanco (POD)  
3180 (015)

SEP 18 1987

Blackwood & Nichols Co., Ltd.

ATTN: William Clark

P.O. Box 1237

Durango, CO 81302-1237

Gentlemen:

An approved copy of your amended 1987 Plan of Development for the Northeast Blanco Unit area, San Juan & Rio Arriba Counties, New Mexico is enclosed. Such plan, proposing to drill three Mesaverde, two Fruitland/Pictured Cliffs, and two Dakota wells was approved on this date subject to like approval by the appropriate officials of the State of New Mexico.

If you have any questions, please contact Robert Kent at the above address or telephone (505) 761-4503.

Sincerely,

(Orig. Signed) - Sid Vogelbehl

For District Manager

Enclosure

cc:

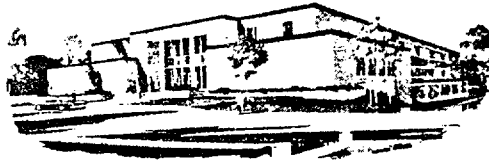
✓ NMOCD, Santa Fe

Comm. of Pub. Lands, Santa Fe

# State of New Mexico



W.R. HUMPHRIES  
COMMISSIONER



## Commissioner of Public Lands

SLO REF NO. OG-617

P.O. BOX 1148  
SANTA FE, NEW MEXICO 87504-1148

December 2, 1987

Blackwood & Nichols Co., Ltd.  
ATTENTION: Mr. William Clark  
P. O. Box 1237  
Durango, Colorado 81302-1237

Re: Northeast Blanco Unit  
San Juan & Rio Arriba Counties  
New Mexico

Gentlemen:

The Commissioner of Public Lands has this date approved your second supplement to the 1987 Plan of Development for the Northeast Blanco Unit Area, San Juan & Rio Arriba Counties, New Mexico. Such plan amends your previously approved 1987 drilling program by reducing to one well your drilling commitment. Your second amended drilling program calls for the drilling of the Unit Well No. 304 to be located in the SW/4 of Section 30-31N-6W, Rio Arriba County, New Mexico.

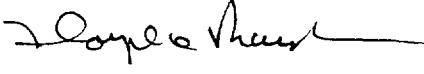
Our approval is subject to like approval by the New Mexico Oil Conservation Division and the Bureau of Land Management.

Enclosed is an approved copy for your files.

If we may be of further help please do not hesitate to call on us.

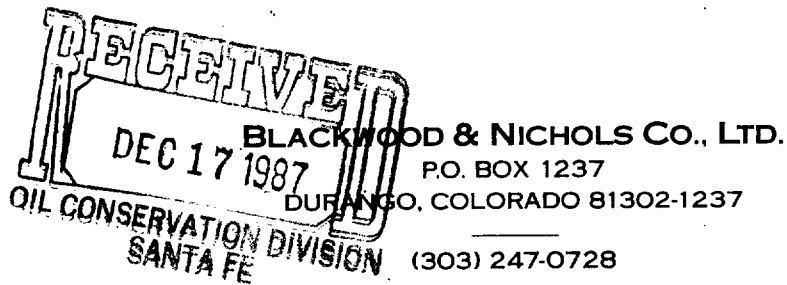
Very truly yours,

W. R. HUMPHRIES  
COMMISSIONER OF PUBLIC LANDS

BY:   
FLOYD O. PRANDO, Director  
Oil and Gas Division  
(505) 827-5744

WRH/FOP/pm  
encls.

cc: OCD-Santa Fe, New Mexico  
BLM-Albuquerque, New Mexico Attn: Fluids Branch



December 14, 1987

United States Department of the Interior  
Bureau of Land Management  
435 Montano Road, N.E.  
Albuquerque, New Mexico 87107

Commissioner of Public Lands  
State of New Mexico  
P. O. Box 1148  
Santa Fe, New Mexico 87501

State of New Mexico  
Energy and Minerals Department  
Oil Conservation Division  
P. O. Box 2088  
State Land Office Building  
Santa Fe, New Mexico 87501

Gentlemen:

Blackwood & Nichols Co., Ltd., as Unit Operator, on behalf of itself and all owners of oil and gas leases within the Northeast Blanco Unit, has historically submitted a Plan of Development in December for the coming year. We request that for 1988 and future years the Plan of Development notifications be submitted no later than March 31 of the effective year. This would give all the Unit's Working Interest Owners more flexibility in their budgeting activities.

For your convenience, no objections to this request will imply acceptance. We believe it is more common and preferred to have unit development plans submitted in March.

Thank you for your cooperation in this matter.

Sincerely yours,

BLACKWOOD & NICHOLS CO., LTD.

William F. Clark  
Operations Manager

WFC:ew



RECEIVED  
AUG 14 1987

**BLACKWOOD & NICHOLS CO., LTD.**

P.O. BOX 1237

DURANGO, COLORADO 81302-1237

(303) 247-0728

August 10, 1987

United States Department of the Interior  
Bureau of Land Management  
435 Montano Road, N.E.  
Albuquerque, New Mexico 87107

Commissioner of Public Lands  
State of New Mexico  
P. O. Box 1148  
Santa Fe, New Mexico 87501

State of New Mexico  
Energy and Minerals Department  
Oil Conservation Division  
P. O. Box 2088  
State Land Office Building  
Santa Fe, New Mexico 87501

Re: Northeast Blanco Unit No. 1, Sec. 929  
San Juan and Rio Arriba Counties,  
New Mexico

Gentlemen:

Blackwood & Nichols Co., Ltd., as Unit Operator, on behalf of itself and all owners of oil and gas leases within the Northeast Blanco Unit, hereby submits a supplement to the Plan of Development for the calendar year 1987.

We propose to drill seven wells to further develop the Northeast Blanco Unit. Following is a description of the formations and well locations:

**Mesaverde Participating Area**

Number 25A - Surface - NE 1/4, Section 17, T30N, R7W, Rio Arriba Co., NM  
Bottom Hole - NW 1/4, Section 17, T30N, R7W, Rio Arriba Co., NM

Number 29A - SE 1/4, Section 13, T30N, R8W, San Juan County, NM

Number 38A - SE 1/4, Section 31, T31N, R7W, San Juan County, NM

United States Department of the Interior  
August 10, 1987  
Page 2

**Fruitland/Pictured Cliffs Formation**

Number 209 - W 1/2, Section 6, T31N, R6W, San Juan County, NM  
Number 219 - NE 1/4, Section 12, T31N, R7W, San Juan County, NM

**Dakota Formation**

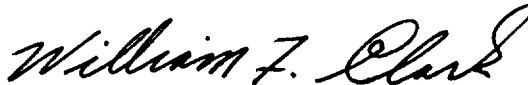
Number 304 - SW 1/4, Section 30, T31N, R6W, Rio Arriba County, NM  
Number 305 - NW 1/4, Section 20, T31N, R6W, San Juan County, NM

Proposed Dakota Well Number 304 is in response to your demand letter dated June 23, 1987 (NEBU 3160 (015)(DR). Please approve this supplement as soon as possible on the attached page.

Thank you for your cooperation in this matter.

Sincerely,

BLACKWOOD & NICHOLS CO., LTD.

A handwritten signature in cursive script that reads "William F. Clark".

William F. Clark  
Operations Manager

WFC:ew

Attachment

Approved: \_\_\_\_\_ Date: \_\_\_\_\_

United States Department of the Interior  
Bureau of Land Management  
435 Montano Road, NE  
Albuquerque, New Mexico 87107

Subject to like approval by the Commissioner of Public Lands and  
Oil Conservation Division.

Approved: \_\_\_\_\_ Date: \_\_\_\_\_

Commissioner of Public Lands  
State of New Mexico  
P. O. Box 1148  
Santa Fe, New Mexico 87501

Subject to like approval by the Minerals Management Service and  
the Oil Conservation Division.

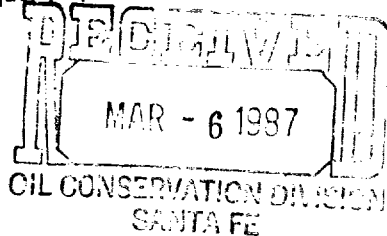
Approved:  Date: 8-17-87

State of New Mexico  
Energy and Minerals Department  
Oil Conservation Division  
P. O. Box 2088  
State Land Office Building  
Santa Fe, New Mexico 87501

Subject to like approval by the Minerals Management Service and  
Commissioner of Public Lands.

The above approvals for the Northeast Blanco Unit Agreement No. 1, Section 929,  
San Juan and Rio Arriba Counties, New Mexico,  
Supplement to the 1987 Plan of Development

Bureau of Land Management  
Minerals Division  
435 Montano NE  
Albuquerque, NM 87107



MAR 04 1987

NE Blanco  
Unit POD  
3190 (015)

Blackwood and Nichols Co., LTD  
Attention: Charles F. Blackwood  
1310 First National Center West  
Oklahoma City, Oklahoma 73102

Gentlemen:

Two approved copies of your 1987 Plan of Development for the Northeast Blanco Unit area, San Juan and Rio Arriba Counties, New Mexico are enclosed. Such plan, proposing no drilling in 1987, is approved this date subject to like approval by the appropriate officials of the State of New Mexico.

If you have any questions, please contact Shirley Bryant at the above address or telephone (505) 761-4503.

Sincerely,

(Orig. Signed) - Sid Vogel

For District Manager

Enclosure

cc:  
NM (016)  
✓NMOCD, Santa Fe  
Comm. of Pub. Lands, Santa Fe

015:SBryant:gcb:03-3-87:2862M

**BLACKWOOD & NICHOLS CO., LTD.**

1310 FIRST NATIONAL CENTER WEST  
OKLAHOMA CITY, OKLAHOMA 73102

405 235.8505

#318

January 7, 1987

United States Department of the Interior  
Bureau of Land Management  
435 Montano Road, N.E.  
Albuquerque, New Mexico 87107

Commissioner of Public Lands  
State of New Mexico  
P. O. Box 1148  
Santa Fe, New Mexico 87501

State of New Mexico  
Energy and Minerals Department  
Oil Conservation Division  
P. O. Box 2088  
State Land Office Building  
Santa Fe, New Mexico 87501

Re: **Northeast Blanco Unit No. 1, Sec. 929**  
San Juan and Rio Arriba Counties,  
New Mexico

Gentlemen:

Blackwood & Nichols Co., Ltd., as Unit Operator, on behalf of itself and all owners of oil and gas leases within the Northeast Blanco Unit, hereby submits a Plan of Development for the calendar year 1987.

The following information indicates the development of the Northeast Blanco Unit and summarizes production.

Completions

<u>Formation</u>	<u>Number of Wells</u>	<u>Status &amp; Remarks</u>
Fruitland	15	Total
Pictured Cliffs	14	Producing
(Commingled)	1	Completed but not connected
Mesaverde	128	Total
	127	Producing
	1	Completed but not connected
	11	Plugged & Abandoned
Dakota	7	Total
	4	Dual with Mesaverde
	2	Dual with Gallup
	1	Single completion
Gallup	2	Total
	<u>2</u>	Dual with Dakota
	152	Total Wells

Production by Formation:

<u>Formation</u>	<u>Cumulative thru 10-31-85:</u>	
	<u>Gas</u>	<u>Condensate</u>
Fruitland	1,215,623 MCF	2,984 Bbls
Pictured Cliffs		
Mesaverde	297,462,490 MCF	95,564 Bbls
Gallup	40,272 MCF	0 Bbls
Dakota	<u>5,815,377 MCF</u>	<u>0 Bbls</u>
Unit Total	304,533,762 MCF	98,548 Bbls

Unit Operator does not anticipate drilling any wells within the Unit area during the calendar year 1987. This is because:

- 1) Pursuant to Section 17 of the Unit Agreement, we believe all offset obligations have been fulfilled; and
- 2) Due to the current soft gas market we have excess deliverability.

Eight of the ten wells drilled in the 1985 Plan of Development have been first delivered. Two wells, the Northeast Blanco Unit Numbers 15A, D-2-30N-7W, and 216, I-27-31N-7W, are still waiting to be connected to the pipeline's system. No well workover operations were performed during 1986.

The Bureau of Land Management approved the First Revision to the Fruitland Pictured Cliffs Participating Area effective September 1, 1983. Three wells, Numbers 202, 204 and 217, currently make up the expanded Participating Area.

Economic analysis of two Dakota wells, Numbers 302 and 303, indicate they are commercial. So an Initial Dakota Participating Area will be submitted in the near future. These wells are dually completed with the Gallup Formation; however, the Gallup zone does not appear commercial in nature and this information will be submitted for approval.

All acreage within the Northeast Blanco Unit boundaries is participating in the Mesaverde Formation.

If this Plan is acceptable, please indicate your approval as required under Section 10 of the Unit Agreement in the space provided on the attached form and return two approved copies to Blackwood & Nichols Co., Ltd.

The effective date of this Plan of Development shall be January 1, 1987.

Very truly yours,

BLACKWOOD & NICHOLS CO., LTD.

By: Charles F. Blackwood

Four copies to each addressee

Approved: \_\_\_\_\_ Date: \_\_\_\_\_

United States Department of the Interior  
Bureau of Land Management  
435 Montano Road, N.E.  
Albuquerque, New Mexico 87107

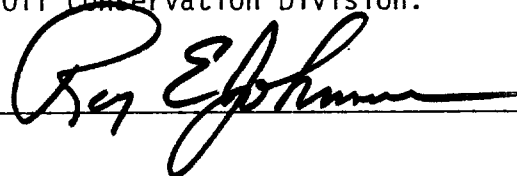
Subject to like approval by the Commissioner of Public Lands  
and Oil Conservation Division.

Approved: \_\_\_\_\_ Date: \_\_\_\_\_

Commissioner of Public Lands  
State of New Mexico  
P.O. Box 1148  
Santa Fe, New Mexico 87501

Subject to like approval by the Bureau of Land Management and  
Oil Conservation Division.

Approved: \_\_\_\_\_



Date: 1-12-87

State of New Mexico  
Energy and Minerals Department  
Oil Conservation Division  
P.O. Box 2088  
State Land Office Building  
Santa Fe, New Mexico 87501

Subject to like approval by the Bureau of Land Management  
and Commissioner of Public Lands.

The above approvals are for the Northeast Blanco Unit Agreement No. 1,  
Section 929, San Juan and Rio Arriba Counties, New Mexico, 1987 Plan of  
Development.





STATE OF NEW MEXICO  
**ENERGY AND MINERALS DEPARTMENT**  
OIL CONSERVATION DIVISION

TONEY ANAYA  
GOVERNOR

September 29, 1986

POST OFFICE BOX 2088  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87501  
(505) 827-5800

Blackwood & Nichols Co., Ltd.  
P. O. Box 1237  
Durango, Colorado 81302-1237

Attention: William F. Clark

Re: Participating Area Review  
Fruitland/Pictured Cliffs Formations,  
Northeast Blanco Unit No. 1,  
Sec. 929, San Juan and Rio Arriba Counties

Gentlemen:

The above-referenced submittal has been approved by the New Mexico Oil Conservation Division effective this date. Such approval is contingent upon like approval by the New Mexico Commissioner of Public Lands and the Bureau of Land Management.

Sincerely,

A handwritten signature in cursive script, appearing to read "Roy E. Johnson".

ROY E. JOHNSON,  
Senior Petroleum Geologist

REJ/dr

cc: Commissioner of Public Lands - Santa Fe  
Bureau of Land Management - Albuquerque



STATE OF NEW MEXICO  
**ENERGY AND MINERALS DEPARTMENT**  
OIL CONSERVATION DIVISION

TONEY ANAYA  
GOVERNOR

September 29, 1986

POST OFFICE BOX 2088  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87501  
(505) 827-5800

Blackwood & Nichols Co., Ltd.  
P. O. Box 1237  
Durango, Colorado 81302-1237

Attention: William F. Clark

Re: Commercial Determination  
Northeast Blanco Unit Well No. 217  
NE/4, Sec. 27, T-31-N, R-7-W  
San Juan County, New Mexico  
Northeast Blanco Unit No. 2, Sec. 929  
Tract 7

Gentlemen:

The above-referenced submittal has been approved by the New Mexico Oil Conservation Division effective this date. Such approval is contingent upon like approval by the New Mexico Commissioner of Public Lands and the Bureau of Land Management.

Sincerely,

ROY E. JOHNSON,  
Senior Petroleum Geologist

REJ/dr

cc: Commissioner of Public Lands - Santa Fe  
Bureau of Land Management - Albuquerque



JIM BACA  
COMMISSIONER

State of New Mexico  
OFFICE OF THE  
Commissioner of Public Lands  
Santa Fe

P.O. BOX 1148  
SANTA FE, NEW MEXICO 87504-1148

November 10, 1986

Blackwood & Nichols Co. Ltd.  
ATTENTION: Mr. William F. Clark  
P. O. Box 1207  
Durango, Colorado 81302

Re: Northeast Blanco Unit, First  
Revision of the Fruitland-  
Pictured Cliffs Participating  
Area Effective September 1, 1983  
San Juan County, New Mexico

Gentlemen:

The Bureau of Land Management has notified this office that the First Revision of the Fruitland-Pictured Cliffs Participating Area for the Northeast Blanco Unit Agreement San Juan County, New Mexico has been approved.

The Commissioner of Public Lands concurs with the Bureau of Land Management and has also this date approved the First Revision of the Fruitland-Pictured Cliffs Participating Area as outlined in your letter of August 31, 1986.

The First Revision adds 160.00 acres to the Fruitland-Pictured Cliffs Participating Area and is described as the NE/4 of Section 27, Township 31 North, Range 7 West, which enlarges the total participating area to 505.68 acres. The First Revision is effective as of September 1, 1983 and is predicated upon the successful completion of the Northeast Blanco Unit Well No. 217.

If we may be of further help please call on us.

Very truly yours,

JIM BACA  
COMMISSIONER OF PUBLIC LANDS

BY:

FLOYD O. PRANDO, Director  
Oil and Gas Division  
(505) 827-5744

JB/FOP/pm

cc: OCD-Santa Fe, New Mexico  
BLM-Albuquerque, New Mexico Attn: Fluids Branch

# State of New Mexico



W.R. HUMPHRIES  
COMMISSIONER

## Commissioner of Public Lands

P.O. BOX 1148  
SANTA FE, NEW MEXICO 87504-1148

January 13, 1987

Blackwood & Nichols Co., Ltd.  
ATTENTION: Mr. Charles F. Blackwood  
1310 First National Center West  
Oklahoma City, Oklahoma 73102

Re: Northeast Blanco Unit  
San Juan and Rio Arriba Counties,  
New Mexico

Gentlemen:

The Commissioner of Public Lands has this date approved your 1987 Plan of Development for the Northeast Blanco Unit Area, San Juan and Rio Arriba Counties, New Mexico. Such plan calls for the drilling of no wells.

Our approval is subject to like approval by the New Mexico Oil Conservation Division and the Bureau of Land Management.

Enclosed is an approved copy for your files.

If we may be of further help please do not hesitate to call on us.

Very truly yours,

W. R. HUMPHRIES  
COMMISSIONER OF PUBLIC LANDS

BY: *Floyd O. Prando*  
FLOYD O. PRANDO, Director  
Oil and Gas Division  
(505) 827-5744

WRH/FOP/pm  
encls.

cc: OCD-Santa Fe, New Mexico  
BLM-Albuquerque, New Mexico Attn: Fluids Branch

# State of New Mexico



JIM BACA  
COMMISSIONER



## Commissioner of Public Lands

P.O. BOX 1148  
SANTA FE, NEW MEXICO 87504-1148

October 7, 1986

Blackwood & Nichols Co., Ltd.  
ATTENTION: Mr. William F. Clark  
P. O. Box 1237  
Durango, Colorado 81302-1237

Re: Participating Area Review  
Fruitland/Pictured Cliffs  
Formation, Northeast Blanco  
Unit No. 1, Section 929,  
San Juan and Rio Arriba Counties,  
New Mexico

Gentlemen:

This office is in receipt of your letter of August 31, 1986 wherein you have prepared a review of the Fruitland/Pictured Cliffs Participating Area. By letter of October 26, 1983, the Bureau of Land Management established and approved an initial Fruitland/Pictured Cliffs participating area. The initial participating area consists of the W/2, Section 1 and the NE/4, Section 11, T31N, R7W, NMPM. San Juan County, New Mexico and contains 345.68 acres. This participating area was made up of two wells, Northeast Blanco Unit Well Nos. 202 and 204, and was effective August 17, 1979.

Please be advised that your Exhibits "A" and "B" for the initial Fruitland/Pictured Cliffs participating area have been accepted and filed in our unit file.

If we may be of further help please do not hesitate to call on us.

Very truly yours,

JIM BACA  
COMMISSIONER OF PUBLIC LANDS

BY: *Floyd O. Prando*  
FLOYD O. PRANDO, Director  
Oil and Gas Division  
(505) 827-5744

JB/FOP/pm  
encls.

cc: OCD-Santa Fe, New Mexico  
BLM-Albuquerque, New Mexico Attn: Fluids Branch

# State of New Mexico



JIM BACA  
COMMISSIONER



## Commissioner of Public Lands

P.O. BOX 1148  
SANTA FE, NEW MEXICO 87504-1148

October 7, 1986

Blackwood & Nichols Co., Ltd.  
ATTENTION: Ms. Berit Haynes Sweeney  
1310 First National Center West  
Oklahoma City, Oklahoma 73102

Re: Northeast Blanco Unit  
San Juan and Rio Arriba  
Counties, New Mexico

Gentlemen:

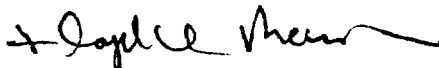
This office is in receipt of your letter of August 14, 1986, together with revised copies of Exhibit "B" which were revised as of May 19, 1986.

These revised copies have this date been accepted for record and filed in our unit file. This revision is accepted subject to like acceptance by the Bureau of Land Management.

If we may be of further help please do not hesitate to call on us.

Very truly yours,

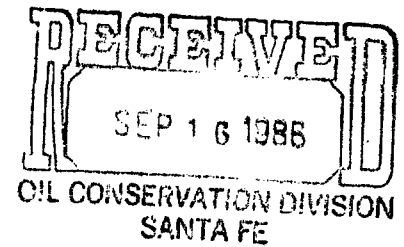
JIM BACA  
COMMISSIONER OF PUBLIC LANDS

BY:   
FLOYD O. PRANDO, Director  
Oil and Gas Division  
(505) 827-5744

JB/EOP/pm  
encls.

cc: OCD-Santa Fe, New Mexico  
BLM-Albuquerque, New Mexico Attn: Fluids Branch

**BLACKWOOD & NICHOLS CO., LTD.**  
P.O. BOX 1237  
DURANGO, COLORADO 81302-1237  
(303) 247-0728



August 31, 1986

United States Department of the Interior  
Bureau of Land Management  
435 Montano Road N.E.  
Albuquerque, New Mexico 87107

Commissioner of Public Lands  
State of New Mexico  
P. O. Box 1148  
Santa Fe, New Mexico 87504-1148

State of New Mexico  
Energy and Minerals Department  
Oil Conservation Division  
P. O. Box 2088  
State Land Office Building  
Santa Fe, New Mexico 87501

Re: Participating Area Review  
Fruitland/Pictured Cliffs  
Formations, Northeast Blanco  
Unit No. 1, Section 929,  
San Juan and Rio Arriba  
Counties, New Mexico

Gentlemen:

Blackwood & Nichols Co., Ltd., as Unit Operator, on behalf of itself and all owners of oil and gas leases within the Northeast Blanco Unit, has prepared this review of the Fruitland/Pictured Cliffs Participating Area for your information.

Blackwood & Nichols Co., Ltd., first proposed a participating area for the Fruitland/Pictured Cliffs formation in February, 1981 and then again in February, 1983. Correspondence discussing the commercial nature of the wells, demand drilling obligations, and recommendations from other working interest owners were exchanged during this three year period.

Bureau of Land Management  
August 31, 1986  
Page 2

By letter of October 26, 1983, the Bureau of Land Management established and approved an initial Fruitland/Pictured Cliffs participating area. The initial participating area consists of the W $\frac{1}{2}$ , Section 1 and the NE $\frac{1}{4}$ , Section 11, T31N, R7W, NMPM, San Juan County, New Mexico and contains 345.68 acres. This participating area was made up of two wells, Northeast Blanco Unit Numbers 202 and 204, and was effective August 17, 1979.

Attached are Exhibits A - Map, and B - Schedule of Allocations, for the initial Fruitland/Pictured Cliffs participating area.

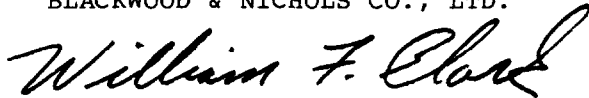
Another topic addressed in the October 26, 1983 letter was the commercial nature of other Fruitland/Pictured Cliffs wells in the Northeast Blanco Unit. The Bureau of Land Management rescinded their commercial determinations on Well Numbers 201, 203, 205, 206 and 208. These wells were declared noncommercial and should be produced on a lease basis.

This review has been prepared as background information to assist you when the first expansion to the Fruitland/Pictured Cliffs participating area is considered. Enclosed you will find a letter requesting commercial determination for the Northeast Blanco Unit Well No. 217.

If additional information is needed, please advise.

Sincerely,

BLACKWOOD & NICHOLS CO., LTD.



William F. Clark  
Operations Manager

WFC:ew

Attachments



1 - 7 - W

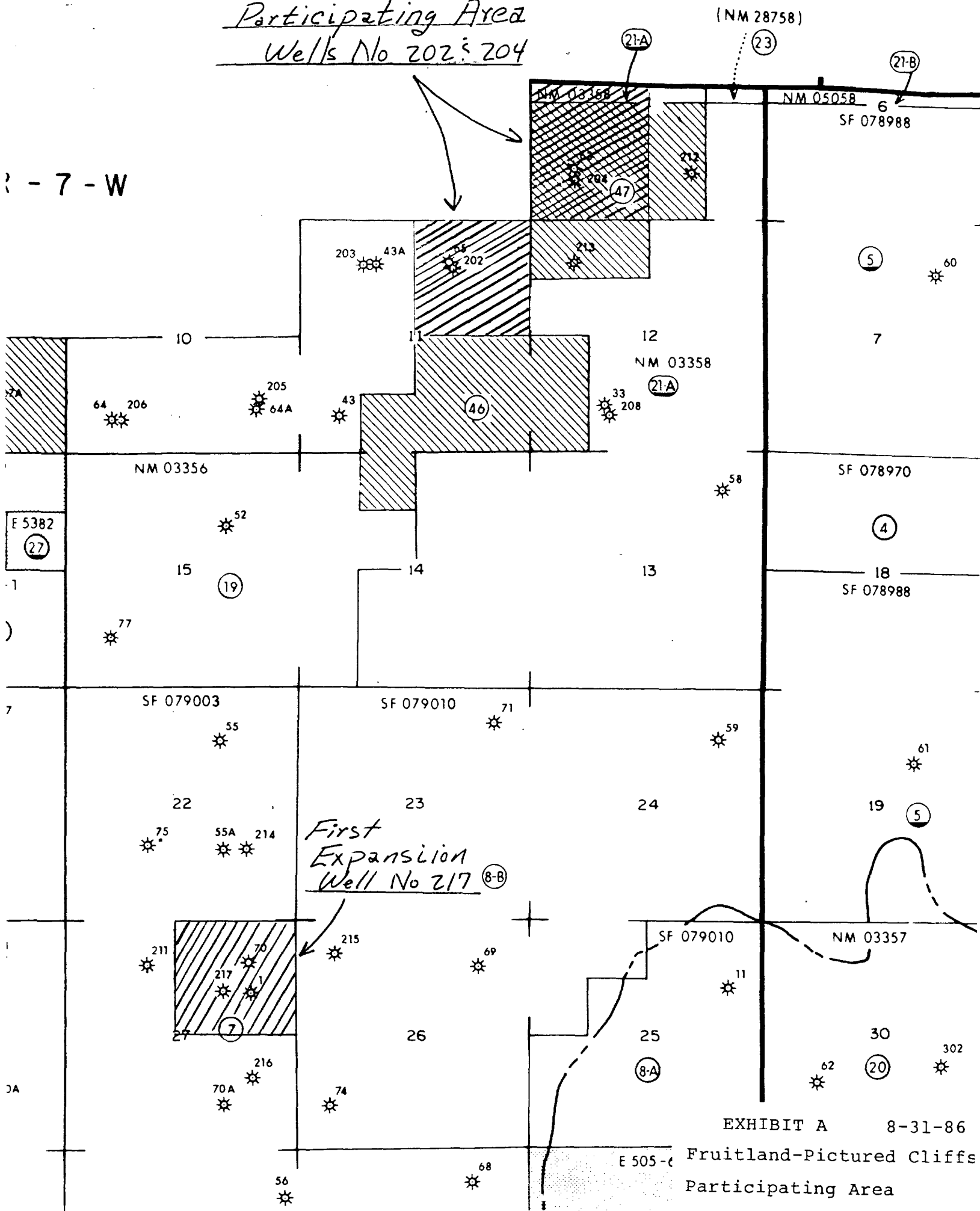


EXHIBIT "B"

SCHEDULE SHOWING THE PERCENTAGE AND KIND OF OWNERSHIP OF OIL & GAS INTERESTS  
IN THE INITIAL FRUITLAND/PICTURED CLIFFS PARTICIPATION AREA

FROM 8/17/79 TO 12/31/80

Tract No.	Description	No. of Acres	Santa Fe Serial No., Lease Date, Particip. Record Holder	Tract W.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of Royalty	Percent of ORRI
FEDERAL LANDS							
21-A	T31N R7W Sec. 1: Lots 7 & 8 Sec. 11: NE ¼	185.68	NM 03358 8/1/48 Blackwood & Nichols Co., Ltd., et al	.5371442	RIGHTS IN FRUITLAND/PICTURED CLIFFS FORMATION Blackwood & Nichols Co., Ltd.	USA 12 3/4% 5% 86.485606% of 25/32 of 185.68/345.68 7/256 of 185.68/345.68 + Subject to Excess ORRI to: Agnes M. Morgan 1/2 of 1/8 of 8/8 of 7/256 of 185.68/345.68 Agnes M. Morgan, Trustee 1/2 of 1/8 of 8/8 of 7/256 of 185.68/345.68	11.582241% of 25/32 of 185.68/345.68 1.203736% of 25/32 of 185.68/345.68 .728417% of 25/32 of 185.68/345.68 49/256 of 185.68/345.68
				.3776191			
				.0486042	Westland Oil Development Corp.		
				.0050514	Thayer H. Laurie		
				.0030568	T.H. Laurie & D.N. Mills, Trustees		
				.1028127	Burk, Bakwin & Henry		
				.5371442			

Tract No.	Description	No. of Acres	Record Owner of Lease and Expiration Date	Tract Particip. Decimal	Tract W.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of Royalty		Percent of ORRI
							Percent of	Percent of	

PATENTED LANDS

47 T31N R7W 160  
Sec. 1:5W1/4

Amoco  
Production  
Company,  
et al  
6/15/53  
  
.  
4628558

.2314279  
.1626968

RIGHTS IN FRUITLAND/PICTURED CLIFFS FORMATION

Amoco Production Company  
Blackwood & Nichols Co., Ltd.

USA 12 1/2%\* NONE

+ 86.485606% of 25/64 of 160/345.68  
1/2 of 160/345.68  
7/512 of 160/345.68

Subject to Excess ORRI to:  
Agnes M. Morgan 1/2 of 1/8  
of 8/8 of 7/512 of 160/345.68  
Agnes M. Morgan, Trustee 1/2 of 1/8  
of 8/8 of 7/512 of 160/345.68

.0209410 Westland Oil Development Corp.  
.0021764 Thayer H. Laurie  
.0013170 T.H. Laurie & D.N. Mills, Trustees  
.0442967  
.4628558 Burk, Bakwin & Henry

11.582241% of 25/64 of 160/345.68  
1.203736% of 25/64 of 160/345.68  
.728417% of 25/64 of 160/345.68  
49/512 of 160/345.68

RECAPITULATION		
FEDERAL	185.68	53.71442%
PATENTED	<u>160.00</u>	<u>46.28558%</u>
TOTAL	345.68	100.%

EXHIBIT "B"

SCHEDULE SHOWING THE PERCENTAGE AND KIND OF OWNERSHIP OF OIL & GAS INTERESTS  
IN THE INITIAL FRUITLAND/PICTURED CLIFFS PARTICIPATION AREA

FROM 1/1/81 TO 12/31/84

Tract No.	Description	No. of Acres	Santa Fe Serial No., Lease Date, Particip. Record Holder	Tract Serial No., Lease Date, Particip. Record Holder	Tract W.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of Royalty	Percent of ORRI
FEDERAL LANDS								
21-A	T31N R7W	185.68	NM 03358 8/1/48 Blackwood & Nichols Co., Ltd., et al	.5371442	.3086858	RIGHTS IN FRUITLAND/PICTURED CLIFFS FORMATION Blackwood & Nichols Co., Ltd.	USA 12 3/4% 5%	
	Sec. 1: Lots 7 & 8					+ 81.745283% x 86.485606% of 25/32 of 185.68/345.68 of 7/256 of 185.68/345.68		
	Sec. 11: NE 1/4					+ 81.745283% Subject to Excess ORRI to: Agnes M. Morgan of 1/2 of 1/8 of 8/8 of 7/256 of 185.68/345.68 of 1/2 of 1/8 of 8/8 of 7/256 of 185.68/345.68		
						18.254717% x 86.485606% of 25/32 of 185.68/345.68 of 7/256 of 185.68/345.68		
						+ 18.254717% Subject to Excess ORRI to: Agnes M. Morgan of 1/2 of 1/8 of 8/8 of 7/256 of 185.68/345.68 of 1/2 of 1/8 of 8/8 of 7/256 of 185.68/345.68		
						18.254717% Agnes M. Morgan of 1/2 of 1/8 of 8/8 of 7/256 of 185.68/345.68 of 1/2 of 1/8 of 8/8 of 7/256 of 185.68/345.68		
						18.254717% Agnes M. Morgan, Trustee of 1/2 of 1/8 of 8/8 of 7/256 of 185.68/345.68 of 1/2 of 1/8 of 8/8 of 7/256 of 185.68/345.68		
						11.582241% of 25/32 of 185.68/345.68 of 1.203736% of 25/32 of 185.68/345.68 of .728417% of 25/32 of 185.68/345.68 of 49/256 of 185.68/345.68		
						.0486042 Westland Oil Development Corp.		
						.0050514 Thayer H. Laurie		
						.0030568 T.H. Laurie & D.N. Mills, Trustees		
						.1028127 Burk, Bakwin & Henry		
						.5371442		

Tract No.	Description	No. of Acres	Record Owner of Lease and Expiration Date	Tract Particip. Decimal	Tract W.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of Royalty	Percent of ORRI
PATENTED LANDS								
47	T31N R7W Sec. 1:SW $\frac{1}{4}$	160	Amoco Production Company, et al 6/15/53	.4628558	.2314279 .1329970	RIGHTS IN FRUITLAND/PICTURED CLIFFS FORMATION Amoco Production Company Blackwood & Nichols Co., Ltd.	USA 12 $\frac{1}{2}$ %*	NONE
						81.745283% x 86.485606% of 25/64 of 160/345.68 + 81.745283% of 7/512 of 160/345.68 Subject to Excess ORRI to: Agnes M. Morgan of 1/2 of 1/8 of 8/8 of 7/512 of 160/345.68 Agnes M. Morgan, Trustee of 1/2 of 1/8 of 8/8 of 7/512 of 160/345.68	81.745283% 160/345.68 81.745283%	
						18.254717% x 86.485606% of 25/64 of 160/345.68 + 18.254717% of 7/512 of 160/345.68 Subject to Excess ORRI to: Agnes M. Morgan of 1/2 of 1/8 of 8/8 of 7/512 of 160/345.68 Agnes M. Morgan, Trustee of 1/2 of 1/8 of 8/8 of 7/512 of 160/345.68	18.254717% 160/345.68 18.254717%	
						.0209410 Westland Oil Development Corp. .0021764 Thayer H. Laurie .0013170 T.H. Laurie & D.N. Mills, Trustees .0442967 Burk, Bakwin & Henry .4628558	11.582241% of 25/64 of 160/345.68 1.203736% of 25/64 of 160/345.68 .728417% of 25/64 of 160/345.68 49/512 of 160/345.68	

RECAPITULATION		
FEDERAL	185.68	53.71442%
PATENTED	<u>160.00</u>	<u>46.28558%</u>
TOTAL	345.68	100.0%

## EFFECTIVE 1-1-85

PREPARED 8/31/86



Tract No.	Description	No. of Acres	Santa Fe Serial No., Lease Date, & Record Holder	Tract Particip. Decimal	Tract W.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Page 2 of 4	Percent of Royalty	Percent of ORRI
-----------	-------------	--------------	--	-------------------------	------------------------------	--	-------------	--------------------	-----------------

FEDERAL LANDS

21-A, Cont.

.0486042	Westland Oil Development Corp.	11.582241%	of 25/32 of 185.68/345.68
.0050514	Thayer H. Laurie	1.203736%	of 25/32 of 185.68/345.68
.0030568	T.H. Laurie & D.N. Mills, Trustees	.728417%	of 25/32 of 185.68/345.68
.1028127	Burk, Bakwin & Henry	49/256	of 185.68/345.68
.5371442			

Tract No.	Description	No. of Acres	Record Owner of Lease and Expiration Date	Tract Particip. Decimal	Tract W.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of Royalty	Percent of ORRI
PATENTED LANDS								
47	T31N R7W Sec. 1:SW¼	160	Amoco Production Company, et al 6/15/53	.4628558	.2314279 .1329970	RIGHTS IN FRUITLAND/PICTURED CLIFFS FORMATION Amoco Production Company Blackwood & Nichols Co., Ltd.	12½%*	NONE
						81.745283% x 86.485606% of 25/64 of 160/345.68 + 81.745283% of 7/512 of 160/345.68 Subject to Excess ORRI to: Agnes M. Morgan of 1/2 of 1/8 of 8/8 of 7/512 of 160/345.68 Agnes M. Morgan, Trustee of 1/2 of 1/8 of 8/8 of 7/512 of 160/345.68		
						5% x 18.254717% of 25/64 of 160/345.68 + 5% x 18.254717% of 7/512 of 160/345.68 Subject to Excess ORRI to: Agnes M. Morgan of 1/2 of 1/8 of 8/8 of 7/512 of 160/345.68 Agnes M. Morgan, Trustee of 1/2 of 1/8 of 8/8 of 7/512 of 160/345.68		
						95% x 18.254717% x 86.485606% of 25/64 of 160/345.68 + 95% x 18.254717% of 7/512 of 160/345.68 Subject to Excess ORRI to: Agnes M. Morgan of 1/2 of 1/8 of 8/8 of 7/512 of 160/345.68 Agnes M. Morgan, Trustee of 1/2 of 1/8 of 8/8 of 7/512 of 160/345.68		
						11.582241% of 25/64 of 160/345.68 1.203736% of 25/64 of 160/345.68 + 728417% of 25/64 of 160/345.68 49/512 of 160/345.68		
						.0209410 Westland Oil Development Corp. .0021764 Thayer H. Laurie .0013170 T.H. Laurie & D.N. Mills, Trustees .0442967 Burk, Bakwin & Henry .4628558		

RECAPITULATION			
FEDERAL	185.68	53.71442%	
PATENTED	<u>160.00</u>	<u>46.28558%</u>	
TOTAL	345.68	100. %	

EXHIBIT "B"

SCHEDULE SHOWING THE PERCENTAGE AND KIND OF OWNERSHIP OF OIL & GAS INTERESTS  
IN ALL LANDS IN THE NORTHEAST BLANCO UNIT

Tract No.	Description	No. of Acres	Santa Fe Serial No., Lease Date, & Record Holder	Tract Particip. Decimal	Tract W.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of Royalty	Percent of ORRI
FEDERAL LANDS								
1-A	T30N R8W Sec. 1:W $\frac{1}{2}$ Sec. 12:NW $\frac{1}{4}$ , E $\frac{1}{2}$ SW $\frac{1}{4}$ , NW $\frac{1}{4}$ NW $\frac{1}{4}$	596.07	078581-A 10/1/49 Ben R. Howell	.0183361	.0183361	RIGHTS IN MESAVERDE FORMATION ONLY El Paso Natural Gas Company-ALL  ALL RIGHTS OTHER THAN MESAVERDE FORMATION El Paso Natural Gas Company-ALL	USA 12 $\frac{1}{2}$ %	1%*
1-B	T30N R8W Sec. 1:E $\frac{1}{2}$ Sec. 12:E $\frac{1}{2}$	616.32	078581 10/1/49 P.M. McCutley	.0189590	.0189590	RIGHTS IN MESAVERDE FORMATION ONLY Tenneco and Continental - ALL  ALL RIGHTS OTHER THAN MESAVERDE FORMATION Tenneco and Continental - ALL	USA 12 $\frac{1}{2}$ %	18 $\frac{1}{2}$ %*
2-A	T30N R8W Sec. 24:W $\frac{1}{2}$	320.00	078615 3/1/48 Ben R. Howell Paul B. Horton	.0098437	.0098437	RIGHTS IN MESAVERDE FORMATION ONLY El Paso Natural Gas Company - ALL  ALL RIGHTS OTHER THAN MESAVERDE FORMATION El Paso Natural Gas Company - ALL	USA 12 $\frac{1}{2}$ %	1%*

Tract No.	Description	No. of Acres	Santa Fe Serial No., Lease Date, & Record Holder	Tract Particip. Decimal	Tract W.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of Royalty		Percent of ORRI	

FEDERAL LANDS

2-B	T30N R8W	320.00	078615-A	.0098437	.0098437	RIGHTS IN MESAVERDE FORMATION ONLY	USA 12½%	18½%*
	Sec. 24:E½		3/1/48			Tenneco and Continental - ALL		
	P.M. McCulley							
	Paul B. Horton							
						ALL RIGHTS OTHER THAN MESAVERDE FORMATION		
						Tenneco and Continental - ALL		

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ALL RIGHTS OTHER THAN MESAVERDE FORMATION						
H. H. Phillips Estate						
Wintergreen Energy Corporation						
Castle, Inc.						
Winnie A. Phillips, Estate						
H. H. Phillips, Jr.						
Jane Phillips Ladouceur						
Susanna Phillips Kelly						

Tract No.	Description	No. of Acres	Santa Fe Serial No., Lease Date, & Record Holder	Tract Particip. Decimal	Tract W.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of Royalty	Percent of ORRI
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FEDERAL LANDS

4	T31N R6W	320.00	078970 2/1/48	.0098437	.0049218	Amoco Production Company	81.745283% x 86.485606% of 25/64	1/2	USA 12½%	None
	Sec. 18: N½		Amoco Production Co., et al		.0027185	Blackwood & Nichols Co., Ltd.	5% x 18.254717% x 86.485606% of 25/64			
					.0000303	Devon-Blanco, Ltd.	95% x 18.254717% x 86.485606% of 25/64			
					.0005767	OGP (Delaware) Inc.	11.582241% of 25/64			
					.0004454	Westland Oil Development Corp.	1.203736% of 25/64			
					.0000463	Thayer H. Laurie	.728417% of 25/64			
					.0000280	T.H. Laurie & D.N. Mills, Trustees				
					.0010767	E1 Paso Natural Gas Company				
					.0098437	SUBJECT TO gas payment from these and other lands in total amount of \$1,100,000 payable to:				

Nelson & Edward Morris, Ltd. 7/8  
A.M. Lloyd 1/8

Payable from gas produced to this interest (net of royalties and other burdens) from Mesaverde formation only out of:  
3½¢ per Mcf for first 10 years  
4½¢ per Mcf thereafter and subject to suspension and conversion.  
All as is more specifically provided in "Assignment Affecting Record Title to Oil and Gas Lease" executed by said parties as of January 1, 1954.

Tract No.	Description	No. of Acres	Santa Fe Serial No., Lease Date, & Record Holder	Tract Particip. Decimal	Tract W.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of Royalty	Percent of ORRI
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FEDERAL LANDS

4, Cont.

ALL RIGHTS OTHER THAN MESAVERDE FORMATION								
.5000000	Amoco Production Company							
.2873398	Blackwood & Nichols Co., Ltd.							
						81.745283% x 86.485606% of 1/2 of 25/64		
						+ 81.745283% of 7/512		
						Subject to Excess ORRI to:		
						Agnes M. Morgan		
						81.745283% of 1/2 of 1/8 of 8/8 of 7/512		
						Agnes M. Morgan, Trustee		
						81.745283% of 1/2 of 1/8 of 8/8 of 7/512		
						5% x 18.254717% x 86.485606% of 25/64		
						+ 5% x 18.254717% of 7/512		
.0032083	Devon-Blanco, Ltd.					Subject to Excess ORRI to:		
						Agnes M. Morgan		
						5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512		
						Agnes M. Morgan, Trustee		
						5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512		
						95% x 18.254717% x 86.485606% of 25/64		
						+ 95% x 18.254717% of 7/512		
.0609582	OGP (Delaware) Inc.					Subject to Excess ORRI to:		
						Agnes M. Morgan		
						95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512		
						Agnes M. Morgan, Trustee		
						95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512		
.0452431	Westland Oil Development Corp.					11.582241% of 25/64		
.0047021	Thayer H. Laurie					1.203736% of 25/64		
.0028454	T.H. Laurie & D.N. Mills, Trustees					.728417% of 25/64		
.0957031	Burk, Bakwin & Henry					49/512		
1.0000000								

Tract No.	Description	No. of Acres	Santa Fe Serial No., Lease Date, & Record Holder	Tract Particip. Decimal	Tract W.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of		Percent of	
							Royalty	ORRI	Royalty	ORRI

FEDERAL LANDS

5	T31N R6W	2560.00	078988	.0787499	.0393749	RIGHTS IN MESAVERDE FORMATION ONLY	Amoco Production Company	81.745283% x 86.485606% of 25/64	1/2	USA 12½%	2½%*
	Sec. 6:S½		7/1/48		.0217479		Blackwood & Nichols Co., Ltd.	5% x 18.254717% x 86.485606% of 25/64			
	Sec. 7:A11		Amoco		.0002428		Devon-Blanco, Ltd.	95% x 18.254717% x 86.485606% of 25/64			
	Sec. 18:S½		Production		.0046137		OGP (Delaware) Inc.	11.582241% of 25/64			
	Sec. 19:A11		Co., et al		.0035629		Westland Oil Development Corp.	1.203736% of 25/64			
	Sec. 20:A11				.0003703		Thayer H. Laurie	.728417% of 25/64			
					.0002241		T.H. Laurie & D.N. Mills, Trustees				
					.0086133		E1 Paso Natural Gas Company				
					.0787499		SUBJECT TO gas payment from these and other lands in total amount of \$1,100,000 payable to:				

Nelson & Edward Morris, Ltd.

7/8

1/8

Payable from gas produced to this interest (net of royalties and other burdens) from Mesaverde formation only out of:

3½¢ per Mcf for first 10 years  
4½¢ per Mcf thereafter and subject to suspension and conversion.  
A11 as is more specifically provided in "Assignment Affecting Record Title to Oil and Gas Lease" executed by said parties as of January 1, 1954.

ALL RIGHTS OTHER THAN MESAVERDE FORMATION

.5000000	Amoco Production Company	81.745283% x 86.485606% of 25/64	1/2
.2873398	Blackwood & Nichols Co., Ltd.	+ 81.745283% of 7/512	
	Subject to Excess ORRI to:		
	Agnes M. Morgan	81.745283% of 1/2 of 1/8 of 8/8 of 7/512	
	Agnes M. Morgan, Trustee	81.745283% of 1/2 of 1/8 of 8/8 of 7/512	
	5% x 18.254717% x 86.485606% of 25/64		
	+ 5% x 18.254717% of 7/512		
	Subject to Excess ORRI to:		
	Agnes M. Morgan	5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512	
	Agnes M. Morgan, Trustee	5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512	
	5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512		



Tract No.	Description	No. of Acres	Santa Fe Serial No., Lease Date, & Record Holder	Tract Particip. Decimal	Tract W.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of Royalty	Percent of ORRI
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FEDERAL LANDS

5, Cont.

.0609582	OGP (Delaware) Inc.	95% x 18.254717% x 86.485606% of 25/64 + 95% x 18.254717% of 7/512
		Subject to Excess ORRI to:
		Agnes M. Morgan
		95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512
		Agnes M. Morgan, Trustee
		95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512
		11.582241% of 25/64
		1.203736% of 25/64
		.728417% of 25/64
		49/512
.0452431	Westland Oil Development Corp.	
.0047021	Thayer H. Laurie	
.0028454	T.H. Laurie & D.N. Mills, Trustees	
.0957031	Burk, Bakwin & Henry	
1.0000000		

6-A	T30N R7W	638.75	079001	.0196490			USA 12½%	20%*
	Sec.3:Lots 5,6, S½ NE¼, SE¼		11/1/49 C.C. Peters	.0098245 .0098245 .0196490		GAS RIGHTS DOWN TO AND INCLUDING THE MESAVERDE FORMATION Tenneco Oil Company 1/2 Continental Oil Company 1/2		
	Sec.10:W½			.5000000 .5000000 1.0000000		GAS RIGHTS BELOW THE MESAVERDE FORMATION & ALL OIL RIGHTS Tenneco Oil Company 1/2 Continental Oil Company 1/2		

Page 7 of 89									
Tract No.	Description	No. of Acres	Santa Fe Serial No., Lease Date, & Record Holder	Tract Particip. Decimal	Tract W.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of Royalty		Percent of ORRI
<u>FEDERAL LANDS</u>									
6-B	<u>T30N R7W</u>	639.13	079001-A 11/1/49 Ben R. Howell	.0196607	.0196607	<u>RIGHTS IN THE MESAVERDE FORMATION ONLY</u>	USA	12½%	3½%*
	<u>Sec.3:Lots 7,8,</u>					<u>ET Paso Natural Gas Company-ALL</u>			
	<u>S½ NW¼,</u>					<u>RIGHTS ABOVE THE MESAVERDE FORMATION</u>			
	<u>SW¼</u>					<u>ET Paso Natural Gas Company-ALL</u>			
	<u>Sec.10:E½</u>					<u>RIGHTS BELOW THE BASE OF THE MESAVERDE FORMATION</u>			
						<u>Koch Oil Company</u>		87½%	
						<u>Reserve Oil Company</u>		12½%	
						<u>1.0000000</u>			

\*DETAIL ATTACHED

Tract No.	Description	No. of Acres	Santa Fe Serial No., Lease Date, & Record Holder	Tract Particip. Decimal	Tract W.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of Royalty	Percent of ORRI
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FEDERAL LANDS

7	T31N R7W	2560.00	079003 7/1/48	.0787499	.0393749	Amoco Production Company	81.745283% x 86.485606% of 25/64	1/2 USA 12 1/2% 2 1/2%*
	Sec. 22:ALL		Amoco		.0217479	Blackwood & Nichols Co., Ltd.	5% x 18.254717% x 86.485606% of 25/64	
	Sec. 27:ALL		Production		.0002428	Devon-Blanco, Ltd.	95% x 18.254717% x 86.485606% of 25/64	
	Sec. 34:ALL		Co., et al		.0046137	OGP (Delaware) Inc.	11.582241% of 25/64	
	Sec. 35:ALL				.0035629	Westland Oil Development Corp.	1.203736% of 25/64	
					.0003703	Thayer H. Laurie	.728417% of 25/64	
					.0002241	T.H. Laurie & D.N. Mills, Trustees		
					.0086133	E1 Paso Natural Gas Company		
					.0787499	SUBJECT TO gas payment from these and other lands in total amount of \$1,100,000 payable to:		

Nelson & Edward Morris, Ltd.

A.M. Lloyd

Payable from gas produced to this interest (net of royalties and other burdens) from Mesaverde formation only out of:

3 3/4 per Mcf for first 10 years  
4 3/4 per Mcf thereafter and subject to suspension and conversion.  
All as is more specifically provided in "Assignment Affecting Record Title to Oil and Gas Lease" executed by said parties as of January 1, 1954.

ALL RIGHTS OTHER THAN MESAVERDE FORMATION

.5000000	Amoco Production Company	81.745283% x 86.485606% of 25/64	1/2
.2873398	Blackwood & Nichols Co., Ltd.	+ 81.745283% of 7/512	
	Subject to Excess ORRI to:		
	Agnes M. Morgan	81.745283% of 1/2 of 1/8 of 8/8 of 7/512	
	Agnes M. Morgan, Trustee	81.745283% of 1/2 of 1/8 of 8/8 of 7/512	
	5% x 18.254717% x 86.485606% of 25/64		
.0032083	Devon-Blanco, Ltd.	+ 5% x 18.254717% of 7/512	
	Subject to Excess ORRI to:		
	Agnes M. Morgan	5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512	
	Agnes M. Morgan, Trustee	5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512	

FEDERAL LANDS

OGP (Delaware) Inc.	95% x 18.254717% x 86.485606% of 25/64
	+ 95% x 18.254717% of 7/512
.0609582	

**Agnes M. Morgan**

95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512

Agnes M. Morgan, Trustee

95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512

11.582241% of 25/64

1.203736% of 25/64

.728417% of 25/64

49/512

1.000000

8-A	T31N R7W	520.00	079010	.0159961	.0079980	Amoco Production Company	1/2	USA 12½%	2½*
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SE  $\frac{1}{4}$  NW  $\frac{1}{4}$ ,
$$S^{\frac{1}{2}}_{\text{Production}}$$

Co., et al

.0000752

.0000455

.0017496

1966T0.

Payable from gas produced to this interest (net of royalties and other burdens) from Mesaverde formation only out of:

3½¢ per Mcf for first 10 years

4½¢ per Mcf thereafter and subject to suspension and conversion.

All as is more specifically provided in "Assignment Affecting Record Title to Oil and Gas Lease" executed by said parties as of January 1, 1954.

**\*DETAIL ATTACHED**

Tract No.	Description	No. of Acres	Santa Fe Serial No., Lease Date, & Record Holder	Tract Particip. Decimal	Tract W.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of		Percent of	
							Royalty	ORRI	Royalty	ORRI

FEDERAL LANDS

8-A, Cont.

ALL RIGHTS OTHER THAN MESAVERDE FORMATION

.5000000	Amoco Production Company	1/2	
.2873398	Blackwood & Nichols Co., Ltd.	81.745283% x 86.485606% of 25/64	
		+ 81.745283% of 7/512	
	Subject to Excess ORRI to:		
	Agnes M. Morgan		
	81.745283% of 1/2 of 1/8 of 8/8 of 7/512		
	Agnes M. Morgan, Trustee		
	81.745283% of 1/2 of 1/8 of 8/8 of 7/512		
	5% x 18.254717% x 86.485606% of 25/64		
	+ 5% x 18.254717% of 7/512		
.0032083	Devon-Blanco, Ltd.		
	Subject to Excess ORRI to:		
	Agnes M. Morgan		
	5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512		
	Agnes M. Morgan, Trustee		
	5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512		
	95% x 18.254717% x 86.485606% of 25/64		
	+ 95% x 18.254717% of 7/512		
.0609582	OGP (Delaware) Inc.		
	Subject to Excess ORRI to:		
	Agnes M. Morgan		
	95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512		
	Agnes M. Morgan, Trustee		
	95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512		
	11.582241% of 25/64		
	1.203736% of 25/64		
	.728417% of 25/64		
	49/512		
.0452431	Westland Oil Development Corp.		
.0047021	Thayer H. Laurie		
.0028454	T.H. Laurie & D.N. Mills, Trustees		
.0957031	Burk, Bakwin & Henry		
1.0000000			

Tract No.	Description	No. of Acres	Santa Fe Serial No., Lease Date, & Record Holder	Tract Particip. Decimal	Tract W.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of Royalty		Percent of ORRI	

FEDERAL LANDS

8-B	T31N R7W	2040.00	079010	.0627538	.0313769	Amoco Production Company			1/2	USA 12 1/2%	2 1/2%*
	Sec. 23:ALL		7/1/48		.0173303	Blackwood & Nichols Co., Ltd.		81.745283% x 86.485606%	of 25/64		
	Sec. 24:ALL		Amoco		.0001935	Devon-Blanco, Ltd.	5% x 18.254717% x 86.485606%	of 25/64			
	Sec. 25:N 1/2 SW 1/4 NW 1/4		Production Co., et al		.0036766	OGP (Delaware) Inc.	95% x 18.254717% x 86.485606%	of 25/64			
					.0028392	Westland Oil Development Corp.		11.582241%	of 25/64		
	Sec. 26:ALL				.0002951	Thayer H. Laurie		1.203736%	of 25/64		
					.0001785	T.H. Laurie & D.N. Mills, Trustees		.728417%	of 25/64		
					.0068637	EI Paso Natural Gas Company			7/64		
					.0627538	SUBJECT TO gas payment from these and other lands in total amount of					

.0001785  
.0068637  
.0627538

7/8  
1/8

Payable from gas produced to this interest (net of royalties and other burdens) from Mesaverde formation only out of:

3 3/4 per Mcf for first 10 years  
4 3/4 per Mcf thereafter and subject to suspension and conversion.  
All as is more specifically provided in "Assignment Affecting Record Title to Oil and Gas Lease" executed by said parties as of January 1, 1954.

ALL RIGHTS OTHER THAN MESAVERDE FORMATION

.5000000	Amoco Production Company	1/2	
.2873398	Blackwood & Nichols Co., Ltd.	81.745283% x 86.485606% of 25/64	
	+ 81.745283%	of 7/512	
	Subject to Excess ORRI to:		
	Agnes M. Morgan	81.745283% of 1/2 of 1/8 of 8/8 of 7/512	
	Agnes M. Morgan, Trustee	81.745283% of 1/2 of 1/8 of 8/8 of 7/512	
	5% x 18.254717% x 86.485606% of 25/64		
	+ 5% x 18.254717%	of 7/512	
	Subject to Excess ORRI to:		
	Agnes M. Morgan	5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512	
	Agnes M. Morgan, Trustee	5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512	
	5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512		
.0032083	Devon-Blanco, Ltd.		

Tract No.	Description	No. of Acres	Santa Fe Serial No., Lease Date, & Record Holder	Tract Particip. Decimal	Tract W.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of Royalty	Percent of ORRI
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FEDERAL LANDS

8-B, Cont.

.0609582	OGP (Delaware) Inc.	95% x 18.254717% x 86.485606% of 25/64 + 95% x 18.254717% of 7/512 Subject to Excess ORRI to: Agnes M. Morgan 95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512 Agnes M. Morgan, Trustee 95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512
.0452431	Westland Oil Development Corp.	11.582241% of 25/64
.0047021	Thayer H. Laurie	1.203736% of 25/64
.0028454	T.H. Laurie & D.N. Mills, Trustees	.728417% of 25/64
.0957031	Burk, Bakwin & Henry	49/512
1.0000000		

9 T30N R7W 1779.91 079042 .0547530

Sec. 5:ALL 5/1/51 .0151208  
Sec. 6:Lots 8,9, 10,11,12, 13,14,15, 16,17,18, 19,20,21, SE $\frac{1}{4}$  NW $\frac{1}{4}$ , NE $\frac{1}{4}$  SW $\frac{1}{4}$  .0001688  
Amoco Production Co., et al .0032079  
.0024772  
.0002574  
.0001558  
.0059886  
.0547530

RIGHTS IN MESAVERDE FORMATION ONLY

Amoco Production Company 81.745283% x 86.485606% of 25/64 1/2 USA 12 $\frac{1}{2}$ % 2 $\frac{1}{2}$ %\*  
Blackwood & Nichols Co., Ltd. 5% x 18.254717% x 86.485606% of 25/64  
Devon-Blanco, Ltd. 95% x 18.254717% x 86.485606% of 25/64  
OGP (Delaware) Inc. 11.582241% of 25/64  
Westland Oil Development Corp. 1.203736% of 25/64  
Thayer H. Laurie .728417% of 25/64  
T.H. Laurie & D.N. Mills, Trustees 7/64  
El Paso Natural Gas Company  
SUBJECT TO gas payment from these and other lands in total amount of \$1,100,000 payable to:  
Nelson & Edward Morris, Ltd. 7/8  
A.M. Lloyd 1/8

Sec. 7:Lots 5,6, 7,8,9,12, 13,14,15,16 E $\frac{1}{2}$  NE $\frac{1}{4}$

Sec. 8:Lots 1,2,3, E $\frac{1}{2}$  NW $\frac{1}{4}$

Payable from gas produced to this interest (net of royalties and other burdens) from Mesaverde formation only out of:  
3 $\frac{1}{2}$ ¢ per Mcf for first 10 years  
4 $\frac{1}{2}$ ¢ per Mcf thereafter and subject to suspension and conversion.  
All as is more specifically provided in "Assignment Affecting Record Title to Oil and Gas Lease" executed by said parties as of January 1, 1954.

Tract No.	Description	No. of Acres	Santa Fe Serial No., Lease Date, & Record Holder	Tract Particip. Decimal	Tract W.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of		Percent of	
							Royalty	ORRI	Royalty	ORRI

FEDERAL LANDS

9, Cont.

ALL RIGHTS OTHER THAN MESAVERDE FORMATION										
.5000000	Amoco Production Company									
.2873398	Blackwood & Nichols Co., Ltd.									
						81.745283% x 86.485606% of 25/64	1/2			
						+ 81.745283% of 7/512				
						Subject to Excess ORRI to:				
						Agnes M. Morgan				
						81.745283% of 1/2 of 1/8 of 8/8 of 7/512				
						Agnes M. Morgan, Trustee				
						81.745283% of 1/2 of 1/8 of 8/8 of 7/512				
						5% x 18.254717% x 86.485606% of 25/64				
						+ 5% x 18.254717% of 7/512				
.0032083	Devon-Blanco, Ltd.					Subject to Excess ORRI to:				
						Agnes M. Morgan				
						5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512				
						Agnes M. Morgan, Trustee				
						5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512				
						95% x 18.254717% x 86.485606% of 25/64				
						+ 95% x 18.254717% of 7/512				
.0609582	OGP (Delaware) Inc.					Subject to Excess ORRI to:				
						Agnes M. Morgan				
						95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512				
						Agnes M. Morgan, Trustee				
						95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512				
						11.582241% of 25/64				
						1.203736% of 25/64				
						.728417% of 25/64				
						49/512				
.0452431	Westland Oil Development Corp.									
.0047021	Thayer H. Laurie									
.0028454	T.H. Laurie & D.N. Mills, Trustees									
.0957031	Burk, Bakwin & Henry									
1.0000000										



Tract No.	Description	No. of Acres	Santa Fe Serial No., Lease Date, & Record Holder	Tract Particip. Decimal	Tract W.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of Royalty	Percent of ORRI

FEDERAL LANDS

10	T31N R7W	2314.56	079043 4/1/51	.0711998	.0355999			
	Sec. 28: ALL		Amoco		.0196628			
	Sec. 31: Lots 6, 9, 10, 13		Production Co., et al		.0002195			
	Sec. 33: ALL				.0041714			
	T30N R7W				.0032213			
	Sec. 4: Lots 5, 6, 7, 8				.0003348			
	S $\frac{1}{2}$ N $\frac{1}{2}$ , SE $\frac{1}{4}$				.0002026			
	Sec. 9: N $\frac{1}{2}$ , W $\frac{1}{2}$ SW $\frac{1}{4}$				.0077875			
					.0711998			

RIGHTS IN MESAVERDE FORMATION ONLY

Amoco Production Company	81.745283% x 86.485606% of 25/64	1/2	USA 12 $\frac{1}{2}$ %	2 $\frac{1}{2}$ %*
Blackwood & Nichols Co., Ltd.	5% x 18.254717% x 86.485606% of 25/64			
Devon-Blanco, Ltd.	5% x 18.254717% x 86.485606% of 25/64			
OGP (Delaware) Inc.	95% x 18.254717% x 86.485606% of 25/64			
Westland Oil Development Corp.	11.582241% of 25/64			
Thayer H. Laurie	1.203736% of 25/64			
T.H. Laurie & D.N. Mills, Trustees	.728417% of 25/64			
EI Paso Natural Gas Company				
SUBJECT TO gas payment from these and other lands in total amount of \$1,100,000 payable to:				
Nelson & Edward Morris, Ltd.	7/8			
A.M. Lloyd	1/8			

Payable from gas produced to this interest (net of royalties and other burdens) from Mesaverde formation only out of:

3 $\frac{1}{2}$ ¢ per Mcf for first 10 years  
4 $\frac{1}{2}$ ¢ per Mcf thereafter and subject to suspension and conversion.  
All as is more specifically provided in "Assignment Affecting Record Title to Oil and Gas Lease" executed by said parties as of January 1, 1954.

DAKOTA RIGHTS AS TO

Sec. 28: ALL  
Sec. 33: ALL  
1.0000000

Amoco Production Company - ALL

SUBJECT TO 1/8 of 8/8 overriding royalty interest which shall be re-

duced by all other overriding royalties, reserved unto:

Blackwood & Nichols Co., Ltd.	81.745283% x 86.485606% of 25/64 of (1/8 of 8/8 - 2 $\frac{1}{2}$ %)	
Devon-Blanco, Ltd.	5% x 18.254717% x 86.485606% of 25/64 of (1/8 of 8/8 - 2 $\frac{1}{2}$ %)	
OGP (Delaware) Inc.	95% x 18.254717% x 86.485606% of 25/64 of (1/8 of 8/8 - 2 $\frac{1}{2}$ %)	
Westland Oil Development Corp.	11.582241% of 25/64 of (1/8 of 8/8 - 2 $\frac{1}{2}$ %)	
Thayer H. Laurie	1.203736% of 25/64 of (1/8 of 8/8 - 2 $\frac{1}{2}$ %)	
T.H. Laurie & D.N. Mills, Trustees	.728417% of 25/64 of (1/8 of 8/8 - 2 $\frac{1}{2}$ %)	
Burk, Bakwin & Henry	49/512 of (1/8 of 8/8 - 2 $\frac{1}{2}$ %)	
Agnes M. Morgan	$\frac{1}{2}$ of 7/512 of (1/8 of 8/8 - 2 $\frac{1}{2}$ %)	
Agnes M. Morgan, Trustee	$\frac{1}{2}$ of 7/512 of (1/8 of 8/8 - 2 $\frac{1}{2}$ %)	
Amoco Production Company (Converted to W.I.)	$\frac{1}{2}$ of (1/8 of 8/8 - 2 $\frac{1}{2}$ %)	

Tract No.	Description	No. of Acres	Holder	Santa Fe Serial No., Lease Date, & Record	Tract Particip. Decimal	Tract W.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of ORRI	
								Percent of	Percent of

FEDERAL LANDS

10, Cont.

ALL RIGHTS OTHER THAN MESAVERDE FORMATION AS TO

T31N R7W

Sec. 31: Lots 6,9,10,13

T30N R7W

Sec. 4: Lots 5,6,7,8,

S $\frac{1}{2}$  N $\frac{1}{2}$ ,

SE $\frac{1}{4}$

Sec. 9:

N $\frac{1}{2}$ , W $\frac{1}{2}$  SW $\frac{1}{4}$

.50000000 Amoco Production Company  
.28733398 Blackwood & Nichols Co., Ltd.

81.745283% x 86.485606% of 25/64  
+ 81.745283% of 7/512

Subject to Excess ORRI to:

Agnes M. Morgan

18.254717% of 1/2 of 1/8 of 8/8 of 7/512

Agnes M. Morgan, Trustee

18.254717% of 1/2 of 1/8 of 8/8 of 7/512

5% x 18.254717% x 86.485606% of 25/64

+ 5% x 18.254717% of 7/512

Subject to Excess ORRI to:

Agnes M. Morgan

5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512

Agnes M. Morgan, Trustee

5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512

95% x 18.254717% x 86.485606% of 25/64

+ 95% x 18.254717% of 7/512

Subject to Excess ORRI to:

Agnes M. Morgan

95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512

Agnes M. Morgan, Trustee

95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512

11.582241% of 25/64

1.203736% of 25/64

.728417% of 25/64

49/512

.0452431 Westland Oil Development Corp.  
.0047021 Thayer H. Laurie  
.0028454 T.H. Laurie & D.N. Mills, Trustees  
.0957031 Burk, Bakwin & Henry  
1.00000000

Tract No.	Description	No. of Acres	Santa Fe Serial No., Lease Date, & Record Holder	Tract Particip. Decimal	Tract W.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of Royalty		Percent of ORRI	
							Percent of Royalty	Percent of ORRI	Percent of Royalty	Percent of ORRI

FEDERAL LANDS

11	T31N R7W	2056.12	079045 4/1/51	.0632497	.0316249	
	Sec. 20: E $\frac{1}{2}$ , W $\frac{1}{2}$ , W $\frac{1}{2}$ SW $\frac{1}{4}$		Amoco Production Co., et al		.0174673	
					.0001950	
					.0037056	
					.0028616	
					.0002974	
	Sec. 21: ALL				.0001800	
					.0069179	
	Sec. 29: ALL				.0632497	
	Sec. 30: Lots 7, 8, 11, 12, W $\frac{1}{2}$ NE $\frac{1}{4}$ , SE $\frac{1}{4}$ NE $\frac{1}{4}$					

RIGHTS IN MESAVERDE FORMATION ONLY

Amoco Production Company  
Blackwood & Nichols Co., Ltd.  
Devon-Blanco, Ltd.  
OGP (Delaware) Inc.  
Westland Oil Development Corp.  
Thayer H. Laurie  
T.H. Laurie & D.N. Mills, Trustees  
El Paso Natural Gas Company  
SUBJECT TO gas payment from these and other lands in total amount of \$1,100,000 payable to:  
Nelson & Edward Morris, Ltd.  
A.M. Lloyd  
Payable from gas produced to this interest (net of royalties and other burdens) from Mesaverde formation only out of:  
3 $\frac{1}{2}$ ¢ per Mcf for first 10 years  
4 $\frac{1}{2}$ ¢ per Mcf thereafter and subject to suspension and conversion.  
All as is more specifically provided in "Assignment Affecting Record Title to Oil and Gas Lease" executed by said parties as of January 1, 1954.

DAKOTA RIGHTS AS TO

Sec. 20: E $\frac{1}{2}$ , E $\frac{1}{2}$  W $\frac{1}{2}$ , W $\frac{1}{2}$  SW $\frac{1}{4}$   
(560 acres)

Sec. 29: ALL

Amoco Production Company - ALL

SUBJECT TO 1/8 of 8/8 overriding royalty interest which shall be reduced by all other overriding royalties, reserved unto:

Blackwood & Nichols Co., Ltd. 81.745283% x 86.485606% of 25/64 of (1/8 of 8/8 - 2 $\frac{1}{2}$ %)

Devon-Blanco, Ltd. 5% x 18.254717% x 86.485606% of 25/64 of (1/8 of 8/8 - 2 $\frac{1}{2}$ %)

OGP (Delaware) Inc. 95% x 18.254717% x 86.485606% of 25/64 of (1/8 of 8/8 - 2 $\frac{1}{2}$ %)

Westland Oil Development Corp. 11.582241% of 25/64 of (1/8 of 8/8 - 2 $\frac{1}{2}$ %)

Thayer H. Laurie 1.203736% of 25/64 of (1/8 of 8/8 - 2 $\frac{1}{2}$ %)

T.H. Laurie & D.N. Mills, Trustees .728417% of 25/64 of (1/8 of 8/8 - 2 $\frac{1}{2}$ %)

Burk, Bakwin & Henry 49/512 of (1/8 of 8/8 - 2 $\frac{1}{2}$ %)

Agnes M. Morgan 1/2 of 7/512 of (1/8 of 8/8 - 2 $\frac{1}{2}$ %)

Agnes M. Morgan, Trustee 1/2 of 7/512 of (1/8 of 8/8 - 2 $\frac{1}{2}$ %)

Amoco Production Company (Converted to W.I.) 1/2 of (1/8 of 8/8 - 2 $\frac{1}{2}$ %)

Tract No.	Description	No. of Acres	Santa Fe Serial No., Lease Date, & Record Holder	Tract Particip. Decimal	Tract W.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of		Percent of	
							Royalty	ORRI	Royalty	ORRI

FEDERAL LANDS

11, Cont.

ALL RIGHTS OTHER THAN MESAVARDE FORMATION AS TO  
T3IN R7W  
Sec. 21: ALL  
Sec. 30: Lots 7,8,11,12,  
W $\frac{1}{2}$  NE $\frac{1}{4}$ ,  
SE $\frac{1}{4}$  NE $\frac{1}{4}$

.5000000	Amoco Production Company					81.745283% x 86.485606% of 25/64 + 81.745283% of 7/512 Subject to Excess ORRI to: Agnes M. Morgan	1/2			
.2873398	Blackwood & Nichols Co., Ltd.					81.745283% of 1/2 of 1/8 of 8/8 of 7/512 Agnes M. Morgan, Trustee				
.0032083	Devon-Blanco, Ltd.					81.745283% of 1/2 of 1/8 of 8/8 of 7/512 5% x 18.254717% x 86.485606% of 25/64 + 5% x 18.254717% of 7/512 Subject to Excess ORRI to: Agnes M. Morgan				
.0609582	OGP (Delaware) Inc.					5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512 Agnes M. Morgan, Trustee 5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512 95% x 18.254717% x 86.485606% of 25/64 + 95% x 18.254717% of 7/512 Subject to Excess ORRI to: Agnes M. Morgan				
.0452431	Westland Oil Development Corp.					95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512 Agnes M. Morgan, Trustee				
.0047021	Thayer H. Laurie					11.582241% of 25/64				
.0028454	T.H. Laurie & D.N. Mills, Trustees					1.203736% of 25/64				
.0957031	Burk, Bakwin & Henry					.728417% of 25/64				
1.0000000						49/512				

Tract No.	Description	No. of Acres	Santa Fe Serial No., Lease Date, & Record Holder	Tract Particip. Decimal	Tract W.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of Royalty	Percent of ORRI
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FEDERAL LANDS

12	<u>T30N R7W</u>	103.60	079053 10/1/49 Northwest Pipeline Corporation	.0031869	.0031869	<u>RIGHTS IN MESAVERDE FORMATION ONLY</u> Northwest Pipeline Corporation - ALL	USA 12½%	5%*
	Sec. 19: Lots 12, 13 E½ SW¼				1.0000000	<u>RIGHTS ABOVE MESAVERDE FORMATION</u> Northwest Pipeline Corporation - ALL		
					1.0000000	<u>RIGHTS BELOW THE BASE OF THE MESAVERDE FORMATION</u> Phillips Petroleum Corporation - ALL		

RIGHTS IN MESAVERDE FORMATION ONLY

13	<u>T30N R7W</u>	2236.44	079060 9/1/48 Amoco Production Co., et al	.0687967	.0343984 .0189992 .0002121 .0040306 .0031126 .0003235 .0001957 .0075246 .0687967	<u>Amoco Production Company</u> Blackwood & Nichols Co., Ltd. Devon-Blanco, Ltd. OGP (Delaware) Inc. Westland Oil Development Corp. Thayer H. Laurie T.H. Laurie & D.N. Mills, Trustees El Paso Natural Gas Company SUBJECT TO gas payment from these and other lands in total amount of \$1,100,000 payable to: Nelson & Edward Morris, Ltd. A.M. Lloyd	81.745283% x 86.485606% of 25/64 5% x 18.254717% x 86.485606% of 25/64 95% x 18.254717% x 86.485606% of 25/64 11.582241% of 25/64 1.203736% of 25/64 .728417% of 25/64 7/64	1/2 USA 12½% 2½%*
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Payable from gas produced to this interest (net of royalties and other burdens) from Mesaverde formation only out of:

3½¢ per Mcf for first 10 years

4½¢ per Mcf thereafter and subject to suspension and conversion.

All as is more specifically provided in "Assignment Affecting Record Title to Oil and Gas Lease" executed by said parties as of January 1, 1954.

Sec. 19: Lots 10, 11,  
S½ SE¼

Sec. 20: NE¼,  
E½ NW¼,  
S½

Sec. 21: ALL

Sec. 22: W½ NW¼,  
NW¼ SW¼

Sec. 29: N½

Tract No.	Description	No. of Acres	Holder	Santa Fe Serial No., Lease Date, & Record	Tract Particip. Decimal	Tract W.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of ORRI	
								Percent of	Percent of

FEDERAL LANDS

13, Cont.

ALL RIGHTS OTHER THAN MESAVERDE FORMATION

.5000000	Amoco Production Company	1/2	
.2873398	Blackwood & Nichols Co., Ltd.	81.745283% x 86.485606% of 25/64 of 7/512	
		+ 81.745283%	
	Subject to Excess ORRI to:		
	Agnes M. Morgan		
	81.745283% of 1/2 of 1/8 of 8/8 of 7/512		
	Agnes M. Morgan, Trustee		
	81.745283% of 1/2 of 1/8 of 8/8 of 7/512		
	5% x 18.254717% x 86.485606% of 25/64 of 7/512		
	+ 5% x 18.254717%		
.0032083	Devon-Blanco, Ltd.		
	Subject to Excess ORRI to:		
	Agnes M. Morgan		
	5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512		
	Agnes M. Morgan, Trustee		
	5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512		
	5% x 18.254717% x 86.485606% of 25/64 of 7/512		
	+ 95% x 18.254717%		
.0609582	OGP (Delaware) Inc.		
	Subject to Excess ORRI to:		
	Agnes M. Morgan		
	95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512		
	Agnes M. Morgan, Trustee		
	95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512		
	11.582241% of 25/64		
.0452431	Westland Oil Development Corp.		
.0047021	Thayer H. Laurie	1.203736% of 25/64	
.0028454	T.H. Laurie & D.N. Mills, Trustees	.728417% of 25/64	
.0957031	Burk, Bakwin & Henry	49/512	
1.0000000			

Tract No.	Description	No. of Acres	Santa Fe Serial No., Lease Date, & Record Holder	Tract Particip. Decimal	Tract W.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of Royalty	Percent of ORRI
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FEDERAL LANDS

14	T30N R7W	371.07	079073 4/1/51 Sec. 18: Lots 5, 6, 7, 8, 9, 10, 11, 12, 13, 14 E½ W½	.0114147	.0057073 .0031523 .0000352 .0006688 .0005164 .0000537 .0000325 .0012485 .0114147	Amoco Production Company Blackwood & Nichols Co., Ltd. Devon-Blanco, Ltd. OGP (Delaware) Inc. Westland Oil Development Corp. Thayer H. Laurie T.H. Laurie & D.N. Mills, Trustees El Paso Natural Gas Company SUBJECT TO gas payment from these and other lands in total amount of \$1,100,000 payable to: Nelson & Edward Morris, Ltd. A.M. Lloyd	81.745283% x 86.485606% of 25/64 5% x 18.254717% x 86.485606% of 25/64 95% x 18.254717% x 86.485606% of 25/64 11.582241% of 25/64 1.203736% of 25/64 .728417% of 25/64	1/2 USA 12½% 2½%*
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Payable from gas produced to this interest (net of royalties and other burdens) from Mesaverde formation only out of:  
3¾¢ per Mcf for first 10 years  
4½¢ per Mcf thereafter and subject to suspension and conversion.  
All as is more specifically provided in "Assignment Affecting Record Title to Oil and Gas Lease" executed by said parties as of January 1, 1954.

ALL RIGHTS OTHER THAN MESAVERDE FORMATION

.5000000 .2873398	Amoco Production Company Blackwood & Nichols Co., Ltd.	1/2 81.745283% x 86.485606% of 25/64 + 81.745283% of 7/512 Subject to Excess ORRI to: Agnes M. Morgan 81.745283% of 1/2 of 1/8 of 8/8 of 7/512 Agnes M. Morgan, Trustee 81.745283% of 1/2 of 1/8 of 8/8 of 7/512 5% x 18.254717% x 86.485606% of 25/64 + 5% x 18.254717% of 7/512 Subject to Excess ORRI to: Agnes M. Morgan 5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512 Agnes M. Morgan, Trustee 5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512
.0032083	Devon-Blanco, Ltd.	

Tract No.	Description	No. of Acres	Santa Fe Serial No., Lease Date, & Record Holder	Tract Particip. Decimal	Tract W.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Page 21 of 89	
							Percent of	Percent of
							Royalty	ORRI

FEDERAL LANDS

14, Cont.					.0609582	OGP (Delaware) Inc.	95% x 18.254717% x 86.485606% of 25/64 + 95% x 18.254717% of 7/512 Subject to Excess ORRI to: Agnes M. Morgan 95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512 Agnes M. Morgan, Trustee 95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512	
					.0452431	Westland Oil Development Corp.		
					.0047021	Thayer H. Laurie		
					.0028454	T.H. Laurie & D.N. Mills, Trustees		
					.0957031	Burk, Bakwin & Henry		
					<u>1.0000000</u>			

15	<u>T30N R7W</u>	133.12	NM 013706-A .0040950	.0040950	RIGHTS IN MESAVERDE FORMATION ONLY, SECS. 17 & 20 <u>Northwest Pipeline Corporation - ALL</u>			
	*Sec. 17:Lots 6, 7,8		5/1/51 Northwest Pipeline Corporation	1.0000000	RIGHTS ABOVE MESAVERDE FORMATION, SECS. 17 & 20 <u>Northwest Pipeline Corporation - ALL</u>			
	*Sec. 20:Lots 1,2			1.0000000	RIGHTS BELOW THE BASE OF MESAVERDE FORMATION, SECS. 17 & 20 <u>T.H. McElvain Oil &amp; Gas - ALL</u>			
	*COMMITTED							

**Sec. 22:SW $\frac{1}{4}$ SW $\frac{1}{4}$	40.00	NM 013706-A 5/1/51	1.0000000	T.H. McElvain - ALL	USA 12 $\frac{1}{2}$ %	None
		T.H. McElvain				

\*\*NOT COMMITTED



Tract No.	Description	No. of Acres	Santa Fe Serial No., Lease Date, & Record Holder	Tract Particip. Decimal	Tract W.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of Royalty	Percent of ORRI
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FEDERAL LANDS

16-A T31N R7W 1022.45 079082 .0314523 .0157261 Amoco Production Company 81.745283% x 86.485606% of 25/64 1/2 USA 12% 2%\*

Sec. 19: Lots 5, 6, 7, 8 .0086860 Blackwood & Nichols Co., Ltd. 5% x 18.254717% x 86.485606% of 25/64 5% x 18.254717% x 86.485606% of 25/64

Sec. 30: Lots 5, 6, 9, 10, E½ W½ .0000970 Devon-Blanco, Ltd. 95% x 18.254717% x 86.485606% of 25/64 11.582241% of 25/64 1.203736% of 25/64 .728417% of 25/64

Sec. 31: Lots 5, 7, 8, 11, 12, 14, E½ W½ .0018427 OGP (Delaware) Inc. 81.745283% of 25/64 1.203736% of 25/64 .728417% of 25/64

Sec. 31: Lots 5, 7, 8, 11, 12, 14, E½ W½ .0014230 Westland Oil Development Corp. 81.745283% of 25/64 1.203736% of 25/64 .728417% of 25/64

Sec. 31: Lots 5, 7, 8, 11, 12, 14, E½ W½ .0001479 Thayer H. Laurie 81.745283% of 25/64 1.203736% of 25/64 .728417% of 25/64

Sec. 31: Lots 5, 7, 8, 11, 12, 14, E½ W½ .0000895 T.H. Laurie & D.N. Mills, Trustees 81.745283% of 25/64 1.203736% of 25/64 .728417% of 25/64

Sec. 31: Lots 5, 7, 8, 11, 12, 14, E½ W½ .0034401 T.H. Laurie & D.N. Mills, Trustees 81.745283% of 25/64 1.203736% of 25/64 .728417% of 25/64

Sec. 31: Lots 5, 7, 8, 11, 12, 14, E½ W½ .0314523 T.H. Laurie & D.N. Mills, Trustees 81.745283% of 25/64 1.203736% of 25/64 .728417% of 25/64

Sec. 31: Lots 5, 7, 8, 11, 12, 14, E½ W½ .0314523 T.H. Laurie & D.N. Mills, Trustees 81.745283% of 25/64 1.203736% of 25/64 .728417% of 25/64

Sec. 31: Lots 5, 7, 8, 11, 12, 14, E½ W½ .0314523 T.H. Laurie & D.N. Mills, Trustees 81.745283% of 25/64 1.203736% of 25/64 .728417% of 25/64

Sec. 31: Lots 5, 7, 8, 11, 12, 14, E½ W½ .0314523 T.H. Laurie & D.N. Mills, Trustees 81.745283% of 25/64 1.203736% of 25/64 .728417% of 25/64

Sec. 31: Lots 5, 7, 8, 11, 12, 14, E½ W½ .0314523 T.H. Laurie & D.N. Mills, Trustees 81.745283% of 25/64 1.203736% of 25/64 .728417% of 25/64

Sec. 31: Lots 5, 7, 8, 11, 12, 14, E½ W½ .0314523 T.H. Laurie & D.N. Mills, Trustees 81.745283% of 25/64 1.203736% of 25/64 .728417% of 25/64

Sec. 31: Lots 5, 7, 8, 11, 12, 14, E½ W½ .0314523 T.H. Laurie & D.N. Mills, Trustees 81.745283% of 25/64 1.203736% of 25/64 .728417% of 25/64

Sec. 31: Lots 5, 7, 8, 11, 12, 14, E½ W½ .0314523 T.H. Laurie & D.N. Mills, Trustees 81.745283% of 25/64 1.203736% of 25/64 .728417% of 25/64

Sec. 31: Lots 5, 7, 8, 11, 12, 14, E½ W½ .0314523 T.H. Laurie & D.N. Mills, Trustees 81.745283% of 25/64 1.203736% of 25/64 .728417% of 25/64

Sec. 31: Lots 5, 7, 8, 11, 12, 14, E½ W½ .0314523 T.H. Laurie & D.N. Mills, Trustees 81.745283% of 25/64 1.203736% of 25/64 .728417% of 25/64

Sec. 31: Lots 5, 7, 8, 11, 12, 14, E½ W½ .0314523 T.H. Laurie & D.N. Mills, Trustees 81.745283% of 25/64 1.203736% of 25/64 .728417% of 25/64

Sec. 31: Lots 5, 7, 8, 11, 12, 14, E½ W½ .0314523 T.H. Laurie & D.N. Mills, Trustees 81.745283% of 25/64 1.203736% of 25/64 .728417% of 25/64

Tract No.	Description	No. of Acres	Santa Fe Serial No., Lease Date, & Record Holder	Tract Particip. Decimal	Tract W.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of	
							Royalty	Percent of ORRI

FEDERAL LANDS

16-A, Cont.

.0609582	OGP (Delaware) Inc.	95% x 18.254717% x 86.485606% of 25/64 + 95% x 18.254717% of 7/512
		Subject to Excess ORRI to:
		Agnes M. Morgan
		95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512
		Agnes M. Morgan, Trustee
		95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512
		11.582241% of 25/64
		1.203736% of 25/64
		.728417% of 25/64
		49/512
1.0000000	Westland Oil Development Corp. Thayer H. Laurie T.H. Laurie & D.N. Mills, Trustees Burk, Bakwin & Henry	

16-B T31N R8W  
Sec. 25:SE¼

211.62

079082-A  
4/1/51

.0065098

.0065098

RIGHTS IN MESAVERDE FORMATION ONLY  
Northwest Pipeline Corporation - ALL

USA 12½% 5%\*

T30N R7W  
Sec. 17: Lots 2,5

Northwest  
Pipeline  
Corporation

1.0000000

RIGHTS ABOVE MESAVERDE FORMATION  
Northwest Pipeline Corporation - ALL

1.0000000

RIGHTS BELOW THE BASE OF THE MESAVERDE FORMATION  
Phillips Petroleum Company - ALL

Tract No.	Description	No. of Acres	Santa Fe Serial No., Lease Date, & Record Holder	Tract Particip. Decimal	Tract W.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of Royalty	Percent of ORRI
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FEDERAL LANDS

17	T30N R8W	140.03	079511 9/1/49	.0043076	.0043076	RIGHTS IN MESAVERDE FORMATION ONLY E1 Paso Natural Gas Company - ALL	USA 12½%	3%*
	Sec. 13:SW¼ NW¼, W½ SW¼, SE¼ SW¼		Ben R. Howell		1.0000000	RIGHTS ABOVE THE MESAVERDE FORMATION E1 Paso Natural Gas Company - ALL		
					.8750000	RIGHTS BELOW THE BASE OF THE MESAVERDE FORMATION Koch Oil Company		
					.1250000	Reserve Oil & Gas		
					1.0000000			

18	T31N R7W	320.00	080557 9/1/48	.0098437	.0049218	RIGHTS IN MESAVERDE FORMATION ONLY Amoco Production Company		
	Sec. 19:W½ E½, E½ W½		Amoco Production Co., et al		.0027185	Blackwood & Nichols Co., Ltd.		
					.0000304	Devon-Blanco, Ltd.		
					.0005766	OGP (Delaware) Inc.		
					.0004454	Westland Oil Development Corp.		
					.0000463	Thayer H. Laurie		
					.0000280	T.H. Laurie & D.N. Mills, Trustees		
					.0010767	E1 Paso Natural Gas Company		
					.0098437	SUBJECT TO gas payment from these and other lands in total amount of \$1,100,000 payable to: Nelson & Edward Morris, Ltd.		

A.M. Lloyd 7/8 1/8  
Payable from gas produced to this interest (net of royalties and other burdens) from Mesaverde formation only out of:

3½¢ per Mcf for first 10 years  
4½¢ per Mcf thereafter and subject to suspension and conversion.  
All as is more specifically provided in "Assignment Affecting Record Title to Oil and Gas Lease" executed by said parties as of January 1, 1954.

Tract No.	Description	No. of Acres	Santa Fe Serial No., Lease Date, & Record Holder	Tract Particip. Decimal	Tract W.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of Royalty		Percent of ORRI	

FEDERAL LANDS

18, Cont.

ALL RIGHTS OTHER THAN MESAVERDE FORMATION

.5000000	Amoco Production Company	1/2								
.2873398	Blackwood & Nichols Co., Ltd.	81.745283% x 86.485606% of 25/64								
		+ 81.745283% of 7/512								
		Subject to Excess ORRI to:								
		Agnes M. Morgan								
		81.745283% of 1/2 of 1/8 of 8/8 of 7/512								
		Agnes M. Morgan, Trustee								
		81.745283% of 1/2 of 1/8 of 8/8 of 7/512								
.0032083	Devon-Blanco, Ltd.	5% x 18.254717% x 86.485606% of 25/64								
		+ 5% x 18.254717% of 7/512								
		Subject to Excess ORRI to:								
		Agnes M. Morgan								
		5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512								
		Agnes M. Morgan, Trustee								
		5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512								
		95% x 18.254717% x 86.485606% of 25/64								
.0609582	OGP (Delaware) Inc.	+ 95% x 18.254717% of 7/512								
		Subject to Excess ORRI to:								
		Agnes M. Morgan								
		95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512								
		Agnes M. Morgan, Trustee								
		95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512								
.0452431	Westland Oil Development Corp.	11.582241% of 25/64								
.0047021	Thayer H. Laurie	1.203736% of 25/64								
.0028454	T.H. Laurie & D.N. Mills, Trustees	.728417% of 25/64								
.0957031	Burk, Bakwin & Henry	49/512								
1.0000000										

Tract No.	Description	No. of Acres	Santa Fe Serial No., Lease Date, & Record Holder	Tract Particip. Decimal	Tract W.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of ORRI	
							Royalty	Percent of ORRI

FEDERAL LANDS

19	T31N R7W	840.00	NM 03356 4/1/48	.0258398	.0142720	RIGHTS IN MESAVERDE FORMATION ONLY	81.745283% x 86.485606% of 25/32	USA 12 3/4% 5%*
					.0001594	Blackwood & Nichols Co., Ltd.	5% x 18.254717% x 86.485606% of 25/32	
					.0030277	Devon-Blanco, Ltd.	95% x 18.254717% x 86.485606% of 25/32	
	Sec. 14:W 1/2 W 1/2, SE 1/4 NW 1/4		Blackwood & Nichols Co., Ltd.	.0023381	.0002430	OGP (Delaware) Inc.	11.582241% of 25/32	
				.0001471	.0056525	Westland Oil Development Corp.	1.203736% of 25/32	
				.0258398		Thayer H. Laurie	.728417% of 25/32	
	Sec. 15:ALL		et al			T.H. Laurie & D.N. Mills, Trustees		
						E1 Paso Natural Gas Company		
						SUBJECT TO gas payment from these and other lands in total amount of \$1,100,000 payable to:		
						Nelson & Edward Morris, Ltd.	7/8	
						A.M. Lloyd	1/8	

Payable from gas produced to this interest (net of royalties and other burdens) from Mesaverde formation only out of:

3 3/4¢ per Mcf for first 10 years  
4 1/2¢ per Mcf thereafter and subject to suspension and conversion.  
All as is more specifically provided in "Assignment Affecting Record Title to Oil and Gas Lease" executed by said parties as of January 1, 1954.

ALL RIGHTS OTHER THAN MESAVERDE FORMATION

.5746796	Blackwood & Nichols Co., Ltd.	81.745283% x 86.485606% of 25/32	
		+ 81.745283% of 7/256	
		Subject to Excess ORRI to:	
		Agnes M. Morgan	
		81.745283% of 1/2 of 1/8 of 8/8 of 7/256	
		Agnes M. Morgan, Trustee	
		81.745283% of 1/2 of 1/8 of 8/8 of 7/256	
		5% x 18.254717% x 86.485606% of 25/32	
		+ 5% x 18.254717% of 7/256	
		Subject to Excess ORRI to:	
		Agnes M. Morgan	
		5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/256	
		Agnes M. Morgan, Trustee	
		5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/256	
.0064167	Devon-Blanco, Ltd.		

**FEDERAL LANDS**

95% x 18.254717% x 86.485606% of 25/32  
+ 95% x 18.254717% x 86.485606% of 7/256

Agnes M. Morgan

**Agnes M. Morgan, Trustee**

95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/256

11.582241% of 25/32

1.203736% of 25/32

.728417% of 25/32

49/256

1.000000

81.745283% x 86.485606% of 25/32 USA 12% 5%\*

5% x 18.254717% x 86.485606% of 25/32

**.728417% of 25/32**

E1 Paso Natural Gas Company  
7/32  
SUBJECT TO gas payment from these and other lands in total amount of

7/8

1/8

Payable from gas produced to this interest (net of royalties and other burdens) from Mesaverde formation only out of:

3~~1~~<sup>2</sup>¢ per Mcf for first 10 years

43¢ per Mcf thereafter and subject to suspension and conversion.

All as is more specifically provided in "Assignment Affecting Record Title to Oil and Gas Lease" executed by said parties as of January 1, 1954.

**\*DETAIL ATTACHED**

Tract No.	Description	No. of Acres	Santa Fe Serial No., Lease Date, & Record Holder	Tract Particip. Decimal	Tract W.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of Royalty		Percent of ORRI	

FEDERAL LANDS

20, Cont.

ALL RIGHTS OTHER THAN MESAVERDE FORMATION										
.5746796	Blackwood & Nichols Co., Ltd.					81.745283% x 86.485606% of 25/32 + 81.745283% of 7/256				
						Subject to Excess ORRI to:				
						Agnes M. Morgan				
						81.745283% of 1/2 of 1/8 of 8/8 of 7/256				
						Agnes M. Morgan, Trustee				
						81.745283% of 1/2 of 1/8 of 8/8 of 7/256				
.0064167	Devon-Blanco, Ltd.					5% x 18.254717% x 86.485606% of 25/32 + 5% x 18.254717% of 7/256				
						Subject to Excess ORRI to:				
						Agnes M. Morgan				
						5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/256				
						Agnes M. Morgan, Trustee				
						5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/256				
.1219163	OGP (Delaware) Inc.					95% x 18.254717% x 86.485606% of 25/32 + 95% x 18.254717% x 86.485606% of 7/256				
						Subject to Excess ORRI to:				
						Agnes M. Morgan				
						95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/256				
						Agnes M. Morgan, Trustee				
						95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/256				
.0904862	Westland Oil Development Corp.					11.582241% of 25/32				
.0094042	Thayer H. Laurie					1.203736% of 25/32				
.0056908	T.H. Laurie & D.N. Mills, Trustees					.728417% of 25/32				
.1914062	Burk, Bakwin & Henry					49/256				
1.0000000										

Tract No.	Description	No. of Acres	Santa Fe Serial No., Lease Date, & Record Holder	Tract Particip. Decimal	Tract W.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of Royalty		Percent of ORRI	

FEDERAL LANDS

21-A	T31N R7W	2396.77	NM 03358 8/1/48	.0737287	.0407223	RIGHTS IN MESAVERDE FORMATION ONLY	81.745283% x 86.485606% of 25/32	USA 12½%	5%*
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Sec. 1:	Lots 6, 7, 8, E½ SE¼		Blackwood & Nichols Co., Ltd. et al		.0004547	Blackwood & Nichols Co., Ltd.	5% x 18.254717% x 86.485606% of 25/32		
					.0086391	OGP (Delaware) Inc.	95% x 18.254717% x 86.485606% of 25/32		
					.0066714	Westland Oil Development Corp.	11.582241% of 25/32		
					.0006934	Thayer H. Laurie	1.203736% of 25/32		
					.0004196	T.H. Laurie & D.N. Mills, Trustees	.728417% of 25/32		
					.0161282	E1 Paso Natural Gas Company	7/32		
Sec. 10:	S½				.0737287	SUBJECT TO gas payment from these and other lands in total amount of \$1,100,000 payable to:			

Sec. 11:	N½, N½ SW¼, SW¼ SW¼					Neison & Edward Morris, Ltd.	7/8		
						A.M. Lloyd	1/8		

Sec. 12:	E½, S½ NW¼, E½ SW¼					Payable from gas produced to this interest (net of royalties and other burdens) from Mesaverde formation only out of:			
						3½¢ per Mcf for first 10 years			
						4½¢ per Mcf thereafter and subject to suspension and conversion.			
						All as is more specifically provided in "Assignment Affecting Record Title to Oil and Gas Lease" executed by said parties as of January 1, 1954.			

ALL RIGHTS OTHER THAN MESAVERDE FORMATION

Sec. 13:	ALL					Blackwood & Nichols Co., Ltd.	81.745283% x 86.485606% of 25/32		
							+ 81.745283% of 7/256		
						Subject to Excess ORRI to:			
						Agnes M. Morgan	81.745283% of 1/2 of 1/8 of 8/8 of 7/256		
						Agnes M. Morgan, Trustee	81.745283% of 1/2 of 1/8 of 8/8 of 7/256		
							5% x 18.254717% x 86.485606% of 25/32		
							+ 5% x 18.254717% of 7/256		
						Subject to Excess ORRI to:			
						Agnes M. Morgan	5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/256		
						Agnes M. Morgan, Trustee	5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/256		
							5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/256		



**FEDERAL LANDS**

95% x 18.254717% x 86.485606% of 25/32  
+ 95% x 18.254717% x 86.485606% of 7/256

Agnes M. Morgan 95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/256  
 Agnes M. Morgan, Trustee 95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/256

11.582241% of 25/32

1.203736% of 25/32

728417% of 25/32

49/256

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86.485606% of 25/32

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at of royalties and o

1. The first step is to identify the problem or question that needs to be addressed. This involves understanding the context and the specific requirements of the task.

### Dimension and conversion

### Assignment Affecting Reco

parties as of January

**†DUE**

\*DE

**\*DETAIL ATTACHED**

Tract No.	Description	No. of Acres	Santa Fe Serial No., Lease Date, & Record Holder	Tract Particip. Decimal	Tract W.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of Royalty		Percent of ORRI	
							Percent of	Royalty	Percent of	ORRI

FEDERAL LANDS

21-B, Cont.

ALL RIGHTS OTHER THAN MESAVARDE FORMATION										
.5746796	Blackwood & Nichols Co., Ltd.				81.745283% x 86.485606% of 25/32 of 7/256					
					+ 81.745283%					
					Subject to Excess ORRI to:					
					Agnes M. Morgan					
					81.745283% of 1/2 of 1/8 of 8/8 of 7/256					
					Agnes M. Morgan, Trustee					
					81.745283% of 1/2 of 1/8 of 8/8 of 7/256					
					5% x 18.254717% x 86.485606% of 25/32 of 7/256					
					+ 5% x 18.254717%					
.0064167	Devon-Blanco, Ltd.				Subject to Excess ORRI to:					
					Agnes M. Morgan					
					5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/256					
					Agnes M. Morgan, Trustee					
					5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/256					
					95% x 18.254717% x 86.485606% of 25/32					
					+ 95% x 18.254717% x 86.485606% of 7/256					
.1219163	OGP (Delaware) Inc.				Subject to Excess ORRI to:					
					Agnes M. Morgan					
					95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/256					
					Agnes M. Morgan, Trustee					
					95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/256					
					11.582241% of 25/32					
					1.203736% of 25/32					
					.728417% of 25/32					
					49/256					
.0904862	Westland Oil Development Corp.									
.0094042	Thayer H. Laurie									
.0056908	T.H. Laurie & D.N. Mills, Trustees									
.1914062	Burk, Bakwin & Henry									
1.0000000										

Tract No.	Description	No. of Acres	Santa Fe Serial No., Lease Date, & Record Holder	Tract Particip. Decimal	Tract W.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of Royalty	Percent of ORRI
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FEDERAL LANDS

22	T30N R7W	166.76	NM 03845 8/1/52 Amoco Production Company et al	.0051298	.0025649 .0014167 .0000158 .0003005 .0002321 .0000241 .0000146 .0005611 .0051298	Amoco Production Company Blackwood & Nichols Co., Ltd. Devon-Blanco, Ltd. OGP (Delaware) Inc. Westland Oil Development Corp. Thayer H. Laurie T.H. Laurie & D.N. Mills, Trustees E1 Paso Natural Gas Company SUBJECT TO gas payment from these and other lands in total amount of \$1,100,000 payable to: Nelson & Edward Morris, Ltd. A.M. Lloyd	81.745283% x 86.485606% of 25/64 5% x 18.254717% x 86.485606% of 25/64 95% x 18.254717% x 86.485606% of 25/64 11.582241% of 25/64 1.203736% of 25/64 .728417% of 25/64 7/64	1/2 USA 12½% None
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Payable from gas produced to this interest (net of royalties and other burdens) from Mesaverde formation only out of:  
3½¢ per Mcf for first 10 years  
4½¢ per Mcf thereafter and subject to suspension and conversion.  
All as is more specifically provided in "Assignment Affecting Record Title to Oil and Gas Lease" executed by said parties as of January 1, 1954.

ALL RIGHTS OTHER THAN MESAVERDE FORMATION

.5000000	Amoco Production Company	81.745283% x 86.485606% of 25/64	1/2
.2873398	Blackwood & Nichols Co., Ltd.	+ 81.745283% of 7/512	
		Subject to Excess ORRI to:	
	Agnes M. Morgan	81.745283% of 1/2 of 1/8 of 8/8 of 7/512	
	Agnes M. Morgan, Trustee	81.745283% of 1/2 of 1/8 of 8/8 of 7/512	
		5% x 18.254717% x 86.485606% of 25/64	
.0032083	Devon-Blanco, Ltd.	+ 5% x 18.254717% of 7/512	
		Subject to Excess ORRI to:	
	Agnes M. Morgan	5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512	
	Agnes M. Morgan, Trustee	5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512	

Tract No.	Description	No. of Acres	Santa Fe Serial No., Lease Date, & Record Holder	Tract Particip. Decimal	Tract W.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of Royalty		Percent of ORRI	
							Percent of Royalty		Percent of ORRI	

FEDERAL LANDS

22, Cont.	.0609582	OGP (Delaware) Inc.	95% x 18.254717% x 86.485606% of 25/64 + 95% x 18.254717% of 7/512							
			Subject to Excess ORRI to:							
			Agnes M. Morgan							
			95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512							
			Agnes M. Morgan, Trustee							
			95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512							
			11.582241% of 25/64							
			1.203736% of 25/64							
			.728417% of 25/64							
			49/512							
	.0452431	Westland Oil Development Corp.								
	.0047021	Thayer H. Laurie								
	.0028454	T.H. Laurie & D.N. Mills, Trustees								
	.0957031	Burk, Bakwin & Henry								
	1.0000000									

Tract No.	Description	No. of Acres	Santa Fe Serial No., Lease Date, & Record Holder	Tract Particip. Decimal	Tract W.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of	
							Royalty	Percent of ORRI

FEDERAL LANDS

23	T31N R7W	10.31	NM 28758 11/1/76	.0003172	.0001046	Amoco Production Company	32.975933%	USA 12½%	None
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Sec. 1:lot 5  
Blackwood & Nichols Co., Ltd. et al

RIGHTS IN ALL FORMATIONS							
				.0000773		Blackwood & Nichols Co., Ltd.	24.364886%
				.0000009		Devon-Blanco, Ltd.	.272049%
				.0000163		OGP (Delaware) Inc.	5.168927%
				.0000672		EI Paso Natural Gas Company	21.199416%
				.0000016		The Wiser Oil Company	.488466%
				.0000008		Jacquelyn M. Williams	.260911%
				.0000027		Texaco, Inc.	.861600%
				.0000003		H.H. Phillips, Estate	.096160%
				.0000000		Jane Phillips Ladoceur	.008792%
				.0000000		Ashton J. Fischer	.010990%
				.0000000		H.H. Phillips, Jr.	.008792%
				.0000002		Castle, Inc.	.054949%
				.0000002		Wintergreen Energy Corporation	.057696%
				.0000000		Susanna Phillips Kelly	.008792%
				.0000046		Tenneco Oil Company	1.440596%
				.0000046		Continental Oil Company	1.440595%
				.0000176		Northwest Pipeline Corporation	5.536260%
				.0000157		Westland Oil Development Corp.	4.940999%
				.0000016		Thayer H. Laurie	.492448%
				.0000010		T.H. Laurie & D.N. Mills, Trustees	.310743%
				.0003172			

TOTAL FEDERAL ACREAGE 26,024.92  
PERCENT OF UNIT AREA 78.97

New Mexico										Page 35 of 89	
State Lease No.,											
Tract No.	Description	No. of Acres	Lease Date, & Record Holder	Tract Particip. Decimal	Tract W.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment				Percent of Royalty	Percent of ORRI
STATE LANDS											
24	<u>T31N R7W</u>  Sec. 16: N $\frac{1}{2}$ NE $\frac{1}{4}$ , NE $\frac{1}{4}$ NW $\frac{1}{4}$ , NE $\frac{1}{4}$ SW $\frac{1}{4}$ , SE $\frac{1}{4}$	320.00	E 3150-1 12/10/49 E1 Paso Natural Gas Co.	.0098437	.0098437	<u>RIGHTS IN MESAVERDE FORMATION ONLY</u> <u>E1 Paso Natural Gas Company - ALL</u>  <u>ALL RIGHTS OTHER THAN MESAVERDE FORMATION</u> <u>E1 Paso Natural Gas Company - ALL</u>				STATE 12 $\frac{1}{2}$ %	5%*
25	<u>T31N R7W</u>  Sec. 16: SW $\frac{1}{4}$ NE $\frac{1}{4}$	40.00	E 3707-4 7/6/50 Northwest Pipeline Corporation	.0012305	.0012305	<u>RIGHTS IN MESAVERDE FORMATION ONLY</u> <u>Northwest Pipeline Corporation - ALL</u>  <u>RIGHTS ABOVE MESAVERDE FORMATION</u> <u>Northwest Pipeline Corporation - ALL</u>  <u>RIGHTS BELOW THE BASE OF THE MESAVERDE FORMATION</u> <u>Phillips Petroleum Company - ALL</u>				STATE 12 $\frac{1}{2}$ %	5%*

Tract No.	Description	New Mexico		Tract W.I.	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of Royalty	Percent of ORRI
		State Lease No.,	Tract Lease Date, & Record Holder				
No.	Description	No. of Acres	Holder	Particip. Decimal	Particip. Decimal		

STATE LANDS

26	T31N R7W	160.00	E 178-1 2/13/45	.0049219	.0024610	Amoco Production Company	1/2	STATE 12 1/2%	None
Sec. 16: W 1/2 W 1/2	Amoco Production Company et al				.0013593	Blackwood & Nichols Co., Ltd.	81.745283% x 86.485606% of 25/64		
					.0000152	Devon-Blanco, Ltd.	5% x 18.254717% x 86.485606% of 25/64		
					.0002883	OGP (Delaware) Inc.	95% x 18.254717% x 86.485606% of 25/64		
					.0002227	Westland Oil Development Corp.	11.582241% of 25/64		
					.0000231	Thayer H. Laurie	1.203736% of 25/64		
					.0000140	T.H. Laurie & D.N. Mills, Trustees	.728417% of 25/64		
					.0005383	EI Paso Natural Gas Company			
					.0049219	SUBJECT TO gas payment from these and other lands in total amount of \$1,100,000 payable to:			
						Nelson & Edward Morris, Ltd.	7/8		
						A.M. Lloyd	1/8		

Payable from gas produced to this interest (net of royalties and other burdens) from Mesaverde formation only out of:

3 3/4 per Mcf for first 10 years

4 1/2 per Mcf thereafter and subject to suspension and conversion.

All as is more specifically provided in "Assignment Affecting Record Title to Oil and Gas Lease" executed by said parties as of January 1, 1954.

ALL RIGHTS OTHER THAN MESAVERDE FORMATION

.5000000	Amoco Production Company	81.745283% x 86.485606% of 25/64	1/2
.2873398	Blackwood & Nichols Co., Ltd.	+ 81.745283% of 7/512	
		Subject to Excess ORRI to:	
	Agnes M. Morgan	81.745283% of 1/2 of 1/8 of 8/8 of 7/512	
	Agnes M. Morgan, Trustee	81.745283% of 1/2 of 1/8 of 8/8 of 7/512	
		5% x 18.254717% x 86.485606% of 25/64	
.0032083	Devon-Blanco, Ltd.	+ 5% x 18.254717% of 7/512	
		Subject to Excess ORRI to:	
	Agnes M. Morgan	5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512	
	Agnes M. Morgan, Trustee	5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512	
		5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512	

Tract No.	Description	New Mexico		Tract W.I.	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of Percent	
		No. of Acres	State Lease No., Lease Date, & Record Holder			of	Percent of ORRI

STATE LANDS

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27	T31N R7W	120.00	E 5382 7/10/51 Texaco, Inc.	.0036914	.0036914	RIGHTS IN MESAVERDE FORMATION ONLY Texaco, Inc. - ALL	STATE 12 1/2% None
	Sec. 16: SE 1/4 NE 1/4, SE 1/4 NW 1/4, SE 1/4 SW 1/4				1.0000000	ALL RIGHTS OTHER THAN MESAVERDE FORMATION Texaco, Inc. - ALL	



Tract No.	Description	No. of Acres	Lease Date, & Record Holder	Tract Particip. Decimal	Tract W.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of Royalty		Percent of ORRI	

STATE LANDS

28	<u>T31N R7W</u>	320.00	E 1/8-1 2/13/45	.0098437	.0049218 .0027184 .0000304 .0005767 .0004454 .0000463 .0000280 .0010767 .0098437	Amoco Production Company Blackwood & Nichols Co., Ltd. Devon-Blanco, Ltd. OGP (Delaware) Inc. Westland Oil Development Corp. Thayer H. Laurie T.H. Laurie & D.N. Mills, Trustees E1 Paso Natural Gas Company SUBJECT TO gas payment from these and other lands in total amount of \$1,100,000 payable to: Nelson & Edward Morris, Ltd. A.M. Lloyd	81.745283% x 86.485606% of 25/64 5% x 18.254717% x 86.485606% of 25/64 95% x 18.254717% x 86.485606% of 25/64 11.582241% of 25/64 1.203736% of 25/64 .728417% of 25/64 7/64	1/2	STATE 12 1/2%	None
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RIGHTS IN MESAVERDE FORMATION ONLY

Payable from gas produced to this interest (net of royalties and other burdens) from Mesaverde formation only out of:

3 3/4% per Mcf for first 10 years  
4 3/4% per Mcf thereafter and subject to suspension and conversion.  
All as is more specifically provided in "Assignment Affecting Record Title to Oil and Gas Lease" executed by said parties as of January 1, 1954.

ALL RIGHTS OTHER THAN MESAVERDE FORMATION

.5000000 .2873398	Amoco Production Company Blackwood & Nichols Co., Ltd.	81.745283% x 86.485606% of 25/64 + 81.745283% of 7/512	1/2
		Subject to Excess ORRI to: Agnes M. Morgan 81.745283% of 1/2 of 1/8 of 8/8 of 7/512 Agnes M. Morgan, Trustee 81.745283% of 1/2 of 1/8 of 8/8 of 7/512 5% x 18.254717% x 86.485606% of 25/64 + 5% x 18.254717% of 7/512	
.0032083	Devon-Blanco, Ltd.	Subject to Excess ORRI to: Agnes M. Morgan 5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512 Agnes M. Morgan, Trustee 5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512	

Tract No.	Description	No. of Acres	Lease Date, & Record Holder	Tract Particip. Decimal	Tract W.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of Royalty	Percent of ORRI
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STATE LANDS

28, Cont.				.0609582	OGP (Delaware) Inc.	95% x 18.254717% x 86.485606% of 25/64 + 95% x 18.254717% of 7/512 Subject to Excess ORRI to: Agnes M. Morgan 95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512 Agnes M. Morgan, Trustee 95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512 11.582241% of 25/64 1.203736% of 25/64 .728417% of 25/64 49/512		
				.0452431 .0047021 .0028454 .0957031 1.0000000	Westland Oil Development Corp. Thayer H. Laurie T.H. Laurie & D.N. Mills, Trustees Burk, Bakwin & Henry			

29	T31N R7W	40.00	E 3948-1 8/2/50 Jacquelyn M. Williams	.0012305	.0012305	RIGHTS IN MESAVERDE FORMATION ONLY Jacquelyn M. Williams - ALL ALL RIGHTS OTHER THAN MESAVERDE FORMATION Jacquelyn M. Williams - ALL	STATE 12 3/4% 12 3/4%*
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Tract No.	Description	No. of Acres	State Lease No., Lease Date, Tract & Record Holder		Tract W.I. Particip. Decimal		Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Page 40 of 89		Percent of Royalty	Percent of ORRI

STATE LANDS

30	<u>T31N R7W</u>	80.00	E 292-9 5/2/45	.0024609	.0024609	RIGHTS IN MESAVERDE FORMATION ONLY <u>Northwest Pipeline Corporation - ALL</u>	STATE 12 $\frac{1}{2}$ % 5%*
	Sec. 32:SE $\frac{1}{4}$ NW $\frac{1}{4}$ , NE $\frac{1}{4}$ SW $\frac{1}{4}$						
			Northwest Pipeline Corporation		1.0000000	RIGHTS ABOVE THE MESAVERDE FORMATION <u>Northwest Pipeline Corporation - ALL</u>	
					1.0000000	RIGHTS BELOW THE BASE OF THE MESAVERDE FORMATION <u>Northwest Pipeline Corporation - ALL</u>	
31	<u>T31N R7W</u>	44.79	E 453-4 7/16/45	.0013778	.0013778	RIGHTS IN MESAVERDE FORMATION ONLY <u>Jacquelyn M. Williams - ALL</u>	STATE 12 $\frac{1}{2}$ % 12 $\frac{1}{2}$ %*
	Sec. 32:Lots 1, 2,3						
			Jacquelyn M. Williams		1.0000000	ALL RIGHTS OTHER THAN MESAVERDE FORMATION <u>Jacquelyn M. Williams - ALL</u>	

\*DETAIL ATTACHED

Tract No.	Description	No. of Acres	Lease Date, & Record Holder	Tract M.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of Royalty	Percent of ORRI
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STATE LANDS

32	T31N R7W	68.32	B-11125 3/21/44 Blackwood & Nichols Co., Ltd.	.0021016		81.745283% x 86.485606% of 25/32	STATE 12½% 5%*
	Sec. 32: Lot 4, SE¼ SW¼					Devon-Blanco, Ltd. 5% x 18.254717% x 86.485606% of 25/32	
						OGP (Delaware) Inc. 95% x 18.254717% x 86.485606% of 25/32	
						Westland Oil Development Corp. 11.582241% of 25/32	
						Thayer H. Laurie 1.203736% of 25/32	
						T.H. Laurie & D.N. Mills, Trustees .728417% of 25/32	
						EI Paso Natural Gas Company 7/32	
						SUBJECT TO gas payment from these and other lands in total amount of \$1,100,000 payable to:	
						Nelson & Edward Morris, Ltd. 7/8	
						A.M. Lloyd 1/8	

Payable from gas produced to this interest (net of royalties and other burdens) from Mesaverde formation only out of:

3½¢ per Mcf for first 10 years  
4½¢ per Mcf thereafter and subject to suspension and conversion.  
All as is more specifically provided in "Assignment Affecting Record Title to Oil and Gas Lease" executed by said parties as of January 1, 1954.

ALL RIGHTS OTHER THAN MESAVERDE FORMATION

.5746796	Blackwood & Nichols Co., Ltd.	81.745283% x 86.485606% of 25/32	
		+ 81.745283% of 7/256	
		Subject to Excess ORRI to:	
		Agnes M. Morgan 81.745283% of 1/2 of 1/8 of 8/8 of 7/256	
		Agnes M. Morgan, Trustee 81.745283% of 1/2 of 1/8 of 8/8 of 7/256	
		5% x 18.254717% x 86.485606% of 25/32	
.0064167	Devon-Blanco, Ltd.	+ 5% x 18.254717% of 7/256	
		Subject to Excess ORRI to:	
		Agnes M. Morgan 5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/256	
		Agnes M. Morgan, Trustee 5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/256	

STATE LANDS

95% x 18.254717% x 86.485606% of 25/32  
+ 95% x 18.254717% x 86.485606% of 7/256

**Agnes M. Morgan**

95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/256

Agnes M. Morgan, Trustee

95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/256

11.582241% of 25/32

1.203736% of 25/32

728417% of 25/32

49/256

1.000000

Westland Oil Development Corp.  
Thayer H. Laurie  
T.H. Laurie & D.N. Mills, Trustees  
Burk, Bakwin & Henry

STATE 12½%

**21.875%\***

GAS RIGHTS BELOW THE BASE OF MESAVEERDE FORMATION  
AND OIL RIGHTS ALL DEPTHS  
Estate of J. Glenn Turner - ALL

STATE 12½% None

ALL RIGHTS OTHER THAN MESASVERDE FORMATION  
The Wiser Oil Company - ALL

Revised as of 5/19/86

Tract No.	Description	No. of Acres	New Mexico		Tract W.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of Royalty		Percent of ORRI
			State Lease No.,	Tract Lease Date, & Record Holder			Percent of Royalty	Percent of ORRI	

STATE LANDS

35	<u>T30N R7W</u>	79.33	E 289-24 5/2/45	.0024403	.0024403	<u>RIGHTS IN MESAVERDE FORMATION ONLY</u> <u>Northwest Pipeline Corporation - ALL</u>	STATE 12½% 5%*
	<u>Sec. 2: Lot 7,</u>						
	<u>SE¼ NW¼</u>						
	Northwest Pipeline Corporation	1.0000000				<u>RIGHTS ABOVE THE MESAVERDE FORMATION</u> <u>Northwest Pipeline Corporation - ALL</u>	
		1.0000000				<u>RIGHTS BELOW THE BASE OF THE MESAVERDE FORMATION</u> <u>Phillips Petroleum Company - ALL</u>	
36	<u>T30N R7W</u>	399.29	E 289-23 5/2/45	.0122828	.0122828	<u>RIGHTS IN MESAVERDE FORMATION ONLY</u> <u>Northwest Pipeline Corporation - ALL</u>	STATE 12½% 5%*
	<u>Sec. 2: Lot 8,</u>						
	<u>S½, SW¼ NW¼</u>						
	Northwest Pipeline Corporation	1.0000000				<u>RIGHTS ABOVE THE MESAVERDE FORMATION</u> <u>Northwest Pipeline Corporation - ALL</u>	
		1.0000000				<u>RIGHTS BELOW THE BASE OF THE MESAVERDE FORMATION</u> <u>Phillips Petroleum Company - ALL</u>	

37	<u>T30N R7W</u>	160.00	E 5167-2 4/9/51				STATE 12½% 5% (NOT COMMITTED)
	<u>Sec. 16: NE¼</u>		W.P. Carr				
	(NOT COMMITTED)						

Tract No.	Description	No. of Acres	Lease Date, & Record Holder	Tract Particip. Decimal	Tract W.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of Royalty	Percent of ORRI
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STATE LANDS

38	T30N R7W Sec. 16:W½	320.00	E 178-1 2/13/45 Amoco Production Company et al	.0098437	.0049218 .0027185 .0000304 .0005766 .0004454 .0000463 .0000280 .0010767 .0098437	RIGHTS IN MESAVERDE FORMATION ONLY Amoco Production Company Blackwood & Nichols Co., Ltd. Devon-Bianco, Ltd. OGP (Delaware) Inc. Westland Oil Development Corp. Thayer H. Laurie T.H. Laurie & D.N. Mills, Trustees El Paso Natural Gas Company SUBJECT TO gas payment from these and other lands in total amount of \$1,100,000 payable to: Nelson & Edward Morris, Ltd. A.M. Lloyd	1/2 1/8	STATE 12½% None
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Payable from gas produced to this interest (net of royalties and other burdens) from Mesaverde formation only out of:  
3½¢ per Mcf for first 10 years  
4½¢ per Mcf thereafter and subject to suspension and conversion.  
All as is more specifically provided in "Assignment Affecting Record Title to Oil and Gas Lease" executed by said parties as of January 1, 1954.

ALL RIGHTS OTHER THAN MESAVERDE FORMATION

.5000000 .2873398	Amoco Production Company Blackwood & Nichols Co., Ltd.	1/2 of 25/64 of 7/512
	+ 81.745283% x 86.485606% Subject to Excess ORRI to: Agnes M. Morgan	
	81.745283% of 1/2 of 1/8 of 8/8 of 7/512 Agnes M. Morgan, Trustee	
	81.745283% of 1/2 of 1/8 of 8/8 of 7/512 5% x 18.254717% x 86.485606% of 25/64 + 5% x 18.254717% of 7/512	
.0032083	Devon-Bianco, Ltd.	Subject to Excess ORRI to: Agnes M. Morgan 5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512 Agnes M. Morgan, Trustee 5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512

STATE LANDS

95% x 18.254717% x 86.485606% of 25/64  
+ 95% x 18.254717% of 7/512

**Agnes M. Morgan**

95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512

**Agnes M. Morgan, Trustee**

95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512

11.582241% of 25/64

1.203736% of 25/64

**.728417% of 25/64**

49/512

Westland Oil Development Corp.  
Thayer H. Laurie  
T.H. Laurie & D.N. Mills, Trustees  
Burk, Bakwin & Henry

STATE 12½% None  
(NOT COMMITTED)

Crown Central

Corporation

STATE 12½% None  
(NOT COMMITTED)

## Crown Central

Corporation



New Mexico									
Tract No.	Description	No. of Acres	Holder	State Lease No., Tract Lease Date, & Record		Tract W.I. Particip.		Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of Royalty
				Particip. Decimal	Particip. Decimal				
STATE LANDS									
41	T31N R8W Sec. 36:S½ NE¼, SE¼ NW¼, N½ SW¼, SW¼ SE¼, NE¼ SE¼	280.00	E 3150-1 12/10/49 E1 Paso Natural Gas Co.	.0086133	.0086133	RIGHTS IN MESAVERDE FORMATION ONLY E1 Paso Natural Gas Company - ALL	ALL RIGHTS OTHER THAN MESAVERDE FORMATION E1 Paso Natural Gas Company - ALL	STATE 12½% 5%*	
42	T31N R8W Sec. 36:S½ SW¼	80.00	E 3707-4 7/6/50 Northwest Pipeline Corporation	.0024609	.0024609	RIGHTS IN MESAVERDE FORMATION ONLY Northwest Pipeline Corporation - ALL	RIGHTS ABOVE MESAVERDE FORMATION Northwest Pipeline Corporation - ALL RIGHTS BELOW THE BASE OF THE MESAVERDE FORMATION Phillips Petroleum Company - ALL	STATE 12½% 5%*	
43	T31N R8W Sec. 36:SW¼ NW¼, NW¼ SE¼	80.00	E 3707-5 7/6/50 Northwest Pipeline Corporation	.0024609	.0024609	RIGHTS IN MESAVERDE FORMATION ONLY Northwest Pipeline Corporation - ALL	RIGHTS ABOVE THE MESAVERDE FORMATION Northwest Pipeline Corporation - ALL RIGHTS BELOW THE BASE OF THE MESAVERDE FORMATION Phillips Petroleum Company - ALL	STATE 12½% 5%*	

Tract No.	Description	No. of Acres	State Lease No., Lease Date, & Record Holder	Tract W.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of Royalty	Percent of ORRI
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STATE LANDS

44	<u>T31N R8W</u> Sec. 36:SE $\frac{1}{4}$ SE $\frac{1}{4}$	40.00	E 292-9 5/2/45 Northwest Pipeline Corporation	.0012305	.0012305	<u>RIGHTS IN MESAVERDE FORMATION ONLY</u> <u>Northwest Pipeline Corporation - ALL</u>	STATE 12 $\frac{1}{2}$ % 5%*
					1.0000000	<u>RIGHTS ABOVE THE MESAVERDE FORMATION</u> <u>Northwest Pipeline Corporation - ALL</u>	
					1.0000000	<u>RIGHTS BELOW THE BASE OF THE MESAVERDE FORMATION</u> <u>Phillips Petroleum Company - ALL</u>	

45	<u>T31N R8W</u> Sec. 36:N $\frac{1}{2}$ N $\frac{1}{2}$	160.00	E 5382 7/10/51 Texaco, Inc.	.0049219	.0049219	<u>RIGHTS IN THE MESAVERDE FORMATION ONLY</u> <u>Texaco, Inc. - ALL</u>	STATE 12 $\frac{1}{2}$ % None
					1.0000000	<u>ALL RIGHTS OTHER THAN MESAVERDE FORMATION</u> <u>Texaco, Inc. - ALL</u>	

TOTAL ACREAGE STATE LANDS 3,750.47

PERCENT OF UNIT AREA 11.38

Page 48 of 89									
Tract No.	Description	No. of Acres	Record Owner of Lease and Expiration Date	Tract Particip. Decimal	Tract W.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of Royalty	Percent of ORRI	
<u>PATENTED LANDS</u>									
46	<u>T31N R7W</u>	320.00	Northwest Pipeline Corporation	.0098437	.0098437		15%*	None	
	Sec. 11:SE $\frac{1}{4}$ SW $\frac{1}{4}$ , SE $\frac{1}{4}$		12/6/56			RIGHTS IN THE MESAVERDE FORMATION ONLY			
	Sec. 12:W $\frac{1}{2}$ SE $\frac{1}{4}$					Northwest Pipeline Corporation - ALL			
	Sec. 14:NE $\frac{1}{4}$ NW $\frac{1}{4}$					SUBJECT TO overriding royalties as to oil and payments out of gas payable to Phillips Petroleum Company as set out in that certain Sublease and Operating Agreement executed between said parties under date of February 23, 1955, and to T.H. McElvain as set out in that certain Sublease and Operating Agreement executed between said parties under date of September 1, 1955.			
						RIGHTS ABOVE THE MESAVERDE FORMATION			
						Northwest Pipeline Corporation - ALL			
						SUBJECT TO overriding royalties as to oil and payments out of gas payable to Phillips Petroleum Company as set out in that certain Sublease and Operating Agreement executed between said parties under date of February 23, 1955, and to T.H. McElvain as set out in that certain Sublease and Operating Agreement executed between said parties under date of September 1, 1955.			
						RIGHTS BELOW THE BASE OF THE MESAVERDE FORMATION			
						Phillips Petroleum Company			$\frac{1}{2}$
						T.H. McElvain Oil & Gas Properties			$\frac{1}{2}$
									1.0000000
									.5000000
									.5000000

Tract No.	Description	No. of Acres	Record Owner of Lease and Expiration Date	Tract Particip. Decimal	Tract W.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of Royalty		Percent of ORRI	

PATENTED LANDS

47	T31N R7W	320.00	Amoco Production Company et al 6/15/53	.0098437	.0049218 .0027185 .0000304 .0005766 .0004454 .0000463 .0000280 .0010767 .0098437	Amoco Production Company Blackwood & Nichols Co., Ltd. Devon-Blanco, Ltd. OGP (Delaware) Inc. Westland Oil Development Corp. Thayer H. Laurie T.H. Laurie & D.N. Mills, Trustees El Paso Natural Gas Company SUBJECT TO gas payment from these and other lands in total amount of \$1,100,000 payable to: Nelson & Edward Morris, Ltd. A.M. Lloyd Payable from gas produced to this interest (net of royalties and other burdens) from Mesaverde formation only out of: 3 3/4¢ per Mcf for first 10 years 4 1/2¢ per Mcf thereafter and subject to suspension and conversion. All as is more specifically provided in "Assignment Affecting Record Title to Oil and Gas Lease" executed by said parties as of January 1, 1954.	81.745283% x 86.485606% of 25/64 5% x 18.254717% x 86.485606% of 25/64 95% x 18.254717% x 86.485606% of 25/64 11.582241% of 25/64 1.203736% of 25/64 .728417% of 25/64 7/64 7/8 1/8	1/2 12 1/2%*	None
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ALL RIGHTS OTHER THAN MESAVERDE FORMATION

.5000000 .2873398	Amoco Production Company Blackwood & Nichols Co., Ltd.	81.745283% x 86.485606% of 25/64 + 81.745283% of 7/512 Subject to Excess ORRI to: Agnes M. Morgan 81.745283% of 1/2 of 1/8 of 8/8 of 7/512 Agnes M. Morgan, Trustee 81.745283% of 1/2 of 1/8 of 8/8 of 7/512 5% x 18.254717% x 86.485606% of 25/64 + 5% x 18.254717% of 7/512 Subject to Excess ORRI to: Agnes M. Morgan 5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512 Agnes M. Morgan, Trustee 5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512
.0032083	Devon-Blanco, Ltd.	

Record Owner of Lease and Expiration Date	Tract Particip. W.I. Decimal	Tract Particip. Decimal	Percent of Royalty	Percent of ORRI
Tract No.	Description	No. of Acres	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	

PATENTED LANDS

47, Cont.	.0609582	OGP (Delaware) Inc.	95% x 18.254717% x 86.485606% of 25/64 + 95% x 18.254717% of 7/512 Subject to Excess ORRI to: Agnes M. Morgan 95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512 Agnes M. Morgan, Trustee 95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512 11.582241% of 25/64 1.203736% of 25/64 .728417% of 25/64 49/512	
		Westland Oil Development Corp. Thayer H. Laurie T.H. Laurie & D.N. Mills, Trustees Burk, Bakwin & Henry		
				1.0000000

48	T31N R7W	320.00	Amoco Production Company et al 12/12/57	.0098437	.0049218 .0027185 .0000304 .0005766 .0004454 .0000463 .0000280 .0010767 .0098437	Amoco Production Company Blackwood & Nichols Co., Ltd. Devon-Bianco, Ltd. OGP (Delaware) Inc. Westland Oil Development Corp. Thayer H. Laurie T.H. Laurie & D.N. Mills, Trustees El Paso Natural Gas Company SUBJECT TO gas payment from these and other lands in total amount of \$1,100,000 payable to: Nelson & Edward Morris, Ltd. A.M. Lloyd	81.745283% x 86.485606% of 25/64 5% x 18.254717% x 86.485606% of 25/64 95% x 18.254717% x 86.485606% of 25/64 11.582241% of 25/64 1.203736% of 25/64 .728417% of 25/64	1/2 12 1/2 % None	
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Payable from gas produced to this interest (net of royalties and other burdens) from Mesaverde formation only out of:  
3 3/4 % per Mcf for first 10 years  
4 3/4 % per Mcf thereafter and subject to suspension and conversion.

All as is more specifically provided in "Assignment Affecting Record Title to Oil and Gas Lease" executed by said parties as of January 1, 1954.

Tract No.	Description	No. of Acres	Record Owner of Lease and Expiration Date	Tract Particip. Decimal	Tract W.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of ORRI	Percent of ORRI
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PATENTED LANDS

48, Cont.

ALL RIGHTS OTHER THAN MESAVERDE FORMATION								
.5000000	Amoco Production Company							1/2
.2873398	Blackwood & Nichols Co., Ltd.							
						81.745283% x 86.485606% of 25/64		
						+ 81.745283% of 7/512		
						Subject to Excess ORRI to:		
						Agnes M. Morgan		
						81.745283% of 1/2 of 1/8 of 8/8 of 7/512		
						Agnes M. Morgan, Trustee		
						81.745283% of 1/2 of 1/8 of 8/8 of 7/512		
						5% x 18.254717% x 86.485606% of 25/64		
						+ 5% x 18.254717% of 7/512		
						Subject to Excess ORRI to:		
						Agnes M. Morgan		
						5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512		
						Agnes M. Morgan, Trustee		
						5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512		
						95% x 18.254717% x 86.485606% of 25/64		
						+ 95% x 18.254717% of 7/512		
						Subject to Excess ORRI to:		
						Agnes M. Morgan		
						95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512		
						Agnes M. Morgan, Trustee		
						95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512		
						11.582241% of 25/64		
						1.203736% of 25/64		
						.728417% of 25/64		
						49/512		
.0452431	Westland Oil Development Corp.							
.0047021	Thayer H. Laurie							
.0028454	T.H. Laurie & D.N. Mills, Trustees							
.0957031	Burk, Bakwin & Henry							
1.0000000								

Record Tract No.	Owner of Lease and Expiration Date	Tract Particip. Decimal	Tract W.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of Percent	
					Royalty	of ORRI

PATENTED LANDS

49	T31N R7W	40.00	Amoco Production Company et al 11/7/57	.0012305	.0006152 .0003398 .0000038 .0000721 .0000557 .0000058 .0000035 .0001346 .0012305	Amoco Production Company Blackwood & Nichols Co., Ltd. Devon-Bianco, Ltd. OGP (Delaware) Inc. Westland Oil Development Corp. Thayer H. Laurie T.H. Laurie & D.N. Mills, Trustees E1 Paso Natural Gas Company SUBJECT TO gas payment from these and other lands in total amount of \$1,100,000 payable to: Nelson & Edward Morris, Ltd. A.M. Lloyd	1/2 12½%* None
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RIGHTS IN MESAVERDE FORMATION ONLY

Payable from gas produced to this interest (net of royalties and other burdens) from Mesaverde formation only out of:  
3½¢ per Mcf for first 10 years  
4½¢ per Mcf thereafter and subject to suspension and conversion.  
All as is more specifically provided in "Assignment Affecting Record Title to Oil and Gas Lease" executed by said parties as of January 1, 1954.

ALL RIGHTS OTHER THAN MESAVERDE FORMATION

.5000000 .2873398	Amoco Production Company Blackwood & Nichols Co., Ltd.	1/2 81.745283% x 86.485606% of 25/64 + 81.745283% of 7/512 Subject to Excess ORRI to: Agnes M. Morgan 81.745283% of 1/2 of 1/8 of 8/8 of 7/512 Agnes M. Morgan, Trustee 81.745283% of 1/2 of 1/8 of 8/8 of 7/512 5% x 18.254717% x 86.485606% of 25/64 + 5% x 18.254717% of 7/512 Subject to Excess ORRI to: Agnes M. Morgan 5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512 Agnes M. Morgan, Trustee 5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512
.0032083	Devon-Bianco, Ltd.	

Tract No.	Description	No. of Acres	Record Owner of Lease and Expiration Date	Tract Particip. Decimal	Tract W.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of Royalty	Percent of ORRI
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PATENTED LANDS

49, Cont.					.0609582	OGP (Delaware) Inc.	95% x 18.254717% x 86.485606% of 25/64 + 95% x 18.254717% of 7/512	
							Subject to Excess ORRI to:	
							Agnes M. Morgan	
							95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512	
							Agnes M. Morgan, Trustee	
							95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512	
					.0452431	Westland Oil Development Corp.	11.582241% of 25/64	
					.0047021	Thayer H. Laurie	1.203736% of 25/64	
					.0028454	T.H. Laurie & D.N. Mills, Trustees	.728417% of 25/64	
					.0957031	Burk, Bakwin & Henry	49/512	
					1.0000000			

50	T31N R7W	80.00	Amoco Production Company et al 12/9/57	.0024609	.0012304	Amoco Production Company	81.745283% x 86.485606% of 25/64	1/2	12 1/2%*	None
					.0006796	Blackwood & Nichols Co., Ltd.	5% x 18.254717% x 86.485606% of 25/64			
					.0000076	Devon-Blanco, Ltd.	95% x 18.254717% x 86.485606% of 25/64			
					.0001442	OGP (Delaware) Inc.	11.582241% of 25/64			
					.0001113	Westland Oil Development Corp.	1.203736% of 25/64			
					.0000116	Thayer H. Laurie	.728417% of 25/64			
					.0000070	T.H. Laurie & D.N. Mills, Trustees				
					.0002692	EI Paso Natural Gas Company				
					.0024609	SUBJECT TO gas payment from these and other lands in total amount of \$1,100,000 payable to:				

Neelson & Edward Morris, Ltd. 7/8  
A.M. Lloyd 1/8  
Payable from gas produced to this interest (net of royalties and other burdens) from Mesaverde formation only out of:

3 3/4 per Mcf for first 10 years  
4 1/4 per Mcf thereafter and subject to suspension and conversion.  
All as is more specifically provided in "Assignment Affecting Record Title to Oil and Gas Lease" executed by said parties as of January 1, 1954.



Revised as of 5/19/86

Tract No.	Description	No. of Acres	Record Owner of Lease and Expiration Date	Tract Particip. Decimal	Tract W.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of	Percent of
							Royalty	ORRI

PATENTED LANDS

51	T31N R7W	80.00	Amoco Production Company et al 1/13/57	.0024609	.0012304 .0006796 .0000076 .0001442 .0001113 .0000116 .0000070 .0002692 .0024609	Amoco Production Company Blackwood & Nichols Co., Ltd. Devon-Blanco, Ltd. OGP (Delaware) Inc. Westland Oil Development Corp. Thayer H. Laurie T.H. Laurie & D.N. Mills, Trustees El Paso Natural Gas Company SUBJECT TO gas payment from these and other lands in total amount of \$1,100,000 payable to: Nelson & Edward Morris, Ltd. A.M. Lloyd	81.745283% x 86.485606% of 25/64 5% x 18.254717% x 86.485606% of 25/64 95% x 18.254717% x 86.485606% of 25/64 11.582241% of 25/64 1.203736% of 25/64 .728417% of 25/64	1/2 12 1/2 %* None
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RIGHTS IN MESAVERDE FORMATION ONLY

Payable from gas produced to this interest (net of royalties and other burdens) from Mesaverde formation only out of:

3 3/4 per Mcf for first 10 years

4 3/4 per Mcf thereafter and subject to suspension and conversion.

All as is more specifically provided in "Assignment Affecting Record Title to Oil and Gas Lease" executed by said parties as of January 1, 1954.

ALL RIGHTS OTHER THAN MESAVERDE FORMATION

.5000000	Amoco Production Company	1/2
.2873398	Blackwood & Nichols Co., Ltd.	81.745283% x 86.485606% of 25/64 + 81.745283% of 7/512 Subject to Excess ORRI to: Agnes M. Morgan 81.745283% of 1/2 of 1/8 of 8/8 of 7/512 Agnes M. Morgan, Trustee 81.745283% of 1/2 of 1/8 of 8/8 of 7/512 5% x 18.254717% x 86.485606% of 25/64 of 7/512 Subject to Excess ORRI to: Agnes M. Morgan 5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512 Agnes M. Morgan, Trustee 5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512
.0032083	Devon-Blanco, Ltd.	5% x 18.254717% of 7/512 + 5% x 18.254717%

## 51, Cont.

.0609582	OGP (Delaware) Inc.	95% x 18.254717% x 86.485606% of 25/64 + 95% x 18.254717% of 7/512
		Subject to Excess ORRI to:
		Agnes M. Morgan
		95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512
		Agnes M. Morgan, Trustee
		95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512
.0452431	Westland Oil Development Corp.	11.582241% of 25/64
.0047021	Thayer H. Laurie	1.203736% of 25/64
.0028454	T.H. Laurie & D.N. Mills, Trustees	.728417% of 25/64
.0957031	Burk, Bakwin & Henry	49/512
<u>1.0000000</u>		

## 52 T31N R7W

Amoco Production Company et al 11/13/57	.0024609	.0012304 .0006796 .0000076 .0001442 .0001113 .0000116 .0000070 .0002692 .0024609	<u>Amoco Production Company</u> Blackwood & Nichols Co., Ltd. Devon-Blanco, Ltd. OGP (Delaware) Inc. Westland Oil Development Corp. Thayer H. Laurie T.H. Laurie & D.N. Mills, Trustees El Paso Natural Gas Company SUBJECT TO gas payment from these and other lands in total amount of	81.745283% x 86.485606% of 25/64 5% x 18.254717% x 86.485606% of 25/64 95% x 18.254717% x 86.485606% of 25/64 11.582241% of 25/64 1.203736% of 25/64 .728417% of 25/64 7/64	1/2 12 3/4%* None
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3~~3~~<sup>4</sup> per Mcf for first 10 years  
4~~4~~<sup>4</sup> per Mcf thereafter and subject to suspension and conversion.

4 1/2 per Mcf thereafter and subject to suspension and conversion. All as is more specifically provided in "Assignment Affecting Record Title to Oil and Gas Lease" executed by said parties as of January 1, 1954.

Record Owner of Lease and Expiration Date	Tract Particip. W.I. Decimal	Percent of Royalty	Percent of ORRI
Tract No.	Description	No. of Acres	Tract Particip. W.I. Decimal

PATENTED LANDS

52, Cont.

1.0000000

RIGHTS IN DAKOTA FORMATION ONLY

Amoco Production Company

SUBJECT TO 1/8 of 8/8 overriding royalty interest which shall be reduced by all other overriding royalties, reserved unto:

Blackwood & Nichols Co., Ltd. 81.745283% x 86.485606% of 25/64 of 1/8 of 8/8

Devon-Blanco, Ltd. 5% x 18.254717% x 86.485606% of 25/64 of 1/8 of 8/8

OGP (Delaware) Inc. 95% x 18.254717% x 86.485606% of 25/64 of 1/8 of 8/8

Westland Oil Development Corp. 11.582241% of 25/64 of 1/8 of 8/8

Thayer H. Laurie 1.203736% of 25/64 of 1/8 of 8/8

T.H. Laurie & D.N. Mills, Trustees .728417% of 25/64 of 1/8 of 8/8

Burk, Bakwin & Henry 49/512 of 1/8 of 8/8

Agnes M. Morgan 1/2 of 7/512 of 1/8 of 8/8

Agnes M. Morgan, Trustee 1/2 of 7/512 of 1/8 of 8/8

Amoco Production Company (Converted to W.I.) 1/2 of 1/8 of 8/8

ALL RIGHTS OTHER THAN MESAVERDE & DAKOTA FORMATIONS

Amoco Production Company

.5000000

Blackwood & Nichols Co., Ltd.

81.745283% x 86.485606% of 25/64 of 1/2 of 7/512

+ 81.745283% of 7/512

Subject to Excess ORRI to:

Agnes M. Morgan

81.745283% of 1/2 of 1/8 of 8/8 of 7/512

Agnes M. Morgan, Trustee

81.745283% of 1/2 of 1/8 of 8/8 of 7/512

5% x 18.254717% x 86.485606% of 25/64 of 7/512

+ 5% x 18.254717% of 7/512

Subject to Excess ORRI to:

Agnes M. Morgan

5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512

Agnes M. Morgan, Trustee

5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512

95% x 18.254717% x 86.485606% of 25/64 of 7/512

+ 95% x 18.254717% of 7/512

Subject to Excess ORRI to:

Agnes M. Morgan

95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512

Agnes M. Morgan, Trustee

95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512

Tract No.	Description	No. of Acres	Santa Fe Serial No., Lease Date, & Record Holder	Tract Particip. Decimal	Tract W.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of Royalty	Percent of ORRI
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PATENTED LANDS

52, Cont.

.0452431	Westland Oil Development Corp.	11.582241% of 25/64
.0047021	Thayer H. Laurie	1.203736% of 25/64
.0028454	T.H. Laurie & D.N. Mills, Trustees	.728417% of 25/64
.0957031	Burk, Bakwin & Henry	49/512
<u>1.0000000</u>		

53 T31N R7W 70.00

Amoco Production Co., et al	.0021533	.0010767	Amoco Production Company	81.745283% x 86.485606% of 25/64	1/2	12 1/2%*	None
**Sec. 31:West 70 acres		.0005947	Blackwood & Nichols Co., Ltd.	5% x 18.254717% x 86.485606% of 25/64			
in W 1/2 NE 1/4 being		.0000066	Devon-Blanco, Ltd.	95% x 18.254717% x 86.485606% of 25/64			
the West 70 acres		.0001262	OGP (Delaware) Inc.	11.582241% of 25/64			
of the most West-		.0000974	Westland Oil Development Corp.	1.203736% of 25/64			
erly 80 acres of		.0000101	Thayer H. Laurie	.728417% of 25/64			
<u>Tract 51</u>		.0000061	T.H. Laurie & D.N. Mills, Trustees				
		.0002355	EI Paso Natural Gas Company				
		.0021533	SUBJECT TO gas payment from these and other lands in total amount of \$1,100,000 payable to:				

Nelson & Edward Morris, Ltd. 7/8  
A.M. Lloyd 1/8

Payable from gas produced to this interest (net of royalties and other burdens) from Mesaverde formation only out of:

3 3/4¢ per Mcf for first 10 years

4 1/2¢ per Mcf thereafter and subject to suspension and conversion.

All as its more specifically provided in "Assignment Affecting Record Title to Oil and Gas Lease" executed by said parties as of January 1, 1954.

\*\*Refers to description by original survey, followed by description by re-survey underlined

Tract No.	Description	No. of Acres	Record Owner of Lease and Expiration Date	Tract Particip. Decimal	Tract W.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of ORRI	
							Percent of ORRI	Percent of ORRI

PATENTED LANDS

53, Cont.

ALL RIGHTS OTHER THAN MESAVERDE FORMATION

.5000000	Amoco Production Company	1/2	
.2873398	Blackwood & Nichols Co., Ltd.	81.745283% x 86.485606% of 25/64 of 7/512	
		+ 81.745283%	
		Subject to Excess ORRI to:	
	Agnes M. Morgan		
	81.745283% of 1/2 of 1/8 of 8/8 of 7/512		
	Agnes M. Morgan, Trustee		
	81.745283% of 1/2 of 1/8 of 8/8 of 7/512		
	5% x 18.254717% x 86.485606% of 25/64 of 7/512		
	+ 5% x 18.254717%		
	Subject to Excess ORRI to:		
	Agnes M. Morgan		
	5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512		
	Agnes M. Morgan, Trustee		
	5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512		
	95% x 18.254717% x 86.485606% of 25/64 of 7/512		
	+ 95% x 18.254717%		
	Subject to Excess ORRI to:		
	Agnes M. Morgan		
	95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512		
	Agnes M. Morgan, Trustee		
	95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512		
	11.582241% of 25/64		
	1.203736% of 25/64		
	.728417% of 25/64		
	49/512		
.0452431	Westland Oil Development Corp.		
.0047021	Thayer H. Laurie		
.0028454	T.H. Laurie & D.N. Mills, Trustees		
.0957031	Burk, Bakwin & Henry		
1.0000000			

Tract No.	Description	No. of Acres	Record of Owner of lease and Expiration Date	Tract Particip. Decimal	Tract W.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of Royalty	Percent of ORRI
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PATENTED LANDS

54	T31N R7W	90.00	Amoco Production Co., et al 11/10/57	.0027686	.0013843 .0007646 .0000085 .0001622 .0001253 .0000130 .0000079 .0003028 .0027686	RIGHTS IN MESAVERDE FORMATION ONLY Amoco Production Company Blackwood & Nichols Co., Ltd. Devon-Blanco, Ltd. OGP (Delaware) Inc. Westland Oil Development Corp. Thayer H. Laurie T.H. Laurie & D.N. Mills, Trustees El Paso Natural Gas Company SUBJECT TO gas payment from these and other lands in total amount of \$1,100,000 payable to: Nelson & Edward Morris, Ltd. A.M. Lloyd Payable from gas produced to this interest (net of royalties and other burdens) from Mesaverde formation only out of: 3 <sup>3</sup> / <sub>4</sub> ¢ per Mcf for first 10 years 4 <sup>1</sup> / <sub>2</sub> ¢ per Mcf thereafter and subject to suspension and conversion. All as is more specifically provided in "Assignment Affecting Record Title to Oil and Gas Lease" executed by said parties as of January 1, 1954.	1/2 25/64 25/64 25/64 25/64 25/64 25/64 25/64 25/64 7/64 7/8 1/8	12 <sup>1</sup> / <sub>2</sub> %* None
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ALL RIGHTS OTHER THAN MESAVERDE FORMATION

.5000000	Amoco Production Company	1/2
.2873398	Blackwood & Nichols Co., Ltd.	81.745283% x 86.485606% of 25/64
	+ 81.745283%	of 7/512
	Subject to Excess ORRI to:	
	Agnes M. Morgan	81.745283% of 1/2 of 1/8 of 8/8 of 7/512
	Agnes M. Morgan, Trustee	81.745283% of 1/2 of 1/8 of 8/8 of 7/512
	5% x 18.254717% x 86.485606% of 25/64	
	+ 5% x 18.254717%	of 7/512
	Subject to Excess ORRI to:	
	Agnes M. Morgan	5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512
	Agnes M. Morgan, Trustee	5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512
	5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512	

\*\*Refers to description by original survey, followed by description by re-survey underlined.

							Page 61 of 89	
Tract No.	Description	No. of Acres	Record Owner of Lease and Expiration Date	Tract Particip. Decimal	Tract W.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent	Percent
							of Royalty	of ORRI
<u>PATENTED LANDS</u>								
54, Cont.					.0609582	OGP (Delaware) Inc.	95% x 18.254717% x 86.485606% of 25/64	
							+ 95% x 18.254717% of 7/512	
							Subject to Excess ORRI to:	
							Agnes M. Morgan	
							95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512	
						Agnes M. Morgan, Trustee	95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512	
						Westland Oil Development Corp.	11.582241% of 25/64	
						Thayer H. Laurie	1.203736% of 25/64	
						T.H. Laurie & D.N. Mills, Trustees	.728417% of 25/64	
						Burk, Bakwin & Henry	49/512	
							1.0000000	



Tract No.	Description	No. of Acres	Record Owner of Lease and Expiration Date	Tract Particip. Decimal	Tract W.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of	Percent of
							Royalty	ORRI

PATENTED LANDS

55	T31N R7W	174.00	Amoco Production Company et al 11/12/57	.0053526	.0026763 .0014782 .0000165 .0003136 .0002422 .0000252 .0000152 .0005854 .0053526	Amoco Production Company Blackwood & Nichols Co., Ltd. Devon-Blanco, Ltd. OGP (Delaware) Inc. Westland Oil Development Corp. Thayer H. Laurie T.H. Laurie & D.N. Mills, Trustees El Paso Natural Gas Company SUBJECT TO gas payment from these and other lands in total amount of \$1,100,000 payable to: Nelson & Edward Morris, Ltd. A.M. Lloyd	81.745283% x 86.485606% of 25/64 5% x 18.254717% x 86.485606% of 25/64 95% x 18.254717% x 86.485606% of 25/64 11.582241% of 25/64 1.203736% of 25/64 .728417% of 25/64 7/64	1/2 12 1/2%* None
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\*\*Sec. 7: E 1/2 NW 1/4, being the South 80 acres of the North 120 acres of Tract 40

\*\*Sec. 6: NW 1/4 SE 1/4, South 14 acres of the SW 1/4 NE 1/4, being the South 54 acres of Tract 39.

\*\*Refers to description by original survey, followed by description by resurvey underlined.

.5000000 .2873398	Amoco Production Company Blackwood & Nichols Co., Ltd.	81.745283% x 86.485606% of 25/64 + 81.745283% of 7/512 Subject to Excess ORRI to: Agnes M. Morgan 81.745283% of 1/2 of 1/8 of 8/8 of 7/512 Agnes M. Morgan, Trustee 81.745283% of 1/2 of 1/8 of 8/8 of 7/512 5% x 18.254717% x 86.485606% of 25/64 + 5% x 18.254717% of 7/512 Subject to Excess ORRI to: Agnes M. Morgan 5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512 Agnes M. Morgan, Trustee 5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512
.0032083	Devon-Blanco, Ltd.	

ALL RIGHTS OTHER THAN MESAVERDE FORMATION

Payable from gas produced to this interest (net of royalties and other burdens) from Mesaverde formation only out of:

3 3/4¢ per Mcf for first 10 years

4 1/2¢ per Mcf thereafter and subject to suspension and conversion.

All as is more specifically provided in "Assignment Affecting Record Title to Oil and Gas Lease" executed by said parties as of January 1, 1954.

Revised as of 5/19/86

Tract No.	Description	No. of Acres	Record Owner of Lease and Expiration Date	Tract Particip. Decimal	Tract W.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of Royalty	
							Percent of Royalty	Percent of ORRI

PATENTED LANDS

56	T31N R7W	133.00	Amoco Production Company et al 11/10/57	.0040913	.0020456	Amoco Production Company	81.745283% x 86.485606% of 25/64	1/2	12 1/2%*	None
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\*\*Sec. 30:40 acres in the S 1/2 SE 1/4, being the South 40 acres in Tract 49

.0011299  
.0000126  
.0002397  
.0001851  
.0000192  
.0000117  
.0004475  
.0040913

\*\*Sec. 31:NE 1/4 NE 1/4, being Tract 50 located in Secs. 31 & 32

Amoco Production Company  
Blackwood & Nichols Co., Ltd.  
Devon-Bianco, Ltd.  
OGP (Delaware) Inc.  
Westland Oil Development Corp.  
Thayer H. Laurie  
T.H. Laurie & D.N. Mills, Trustees  
El Paso Natural Gas Company  
SUBJECT TO gas payment from these and other lands in total amount of \$1,100,000 payable to:

\*\*Sec. 31:SW 1/4 SE 1/4, being Tract 52; and the North 20 acres of Tract 39

Nelson & Edward Morris, Ltd.  
A.M. Lloyd

T30N R7W

\*\*Sec. 6:North 13 acres of NW 1/4 NE 1/4, being the South 13 acres of the North 33 acres of Tract 39

RIGHTS IN MESAVERDE FORMATION ONLY

Payable from gas produced to this interest (net of royalties and other burdens) from Mesaverde formation only out of:

3 3/4¢ per Mcf for first 10 years  
4 1/2¢ per Mcf thereafter and subject to suspension and conversion.  
All as is more specifically provided in "Assignment Affecting Record Title to Oil and Gas Lease" executed by said parties as of January 1, 1954.

\*\*Refers to description by original survey, followed by description by re-survey underlined.

Revised as of 5/19/86

Record Owner of lease and Expiration Date	Tract Particip. W.I. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of Royalty	Percent of ORRI
Tract No.	Description	No. of Acres		

PATENTED LANDS

56, Cont.

ALL RIGHTS OTHER THAN MESAVERDE FORMATION

.5000000	Amoco Production Company	1/2		
.2873398	Blackwood & Nichols Co., Ltd.	81.745283% x 86.485606% of 25/64 + 81.745283% of 7/512		
		Subject to Excess ORRI to:		
		Agnes M. Morgan		
		81.745283% of 1/2 of 1/8 of 8/8 of 7/512		
		Agnes M. Morgan, Trustee		
		81.745283% of 1/2 of 1/8 of 8/8 of 7/512		
.0032083	Devon-Blanco, Ltd.	5% x 18.254717% x 86.485606% of 25/64 + 5% x 18.254717% of 7/512		
		Subject to Excess ORRI to:		
		Agnes M. Morgan		
		5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512		
		Agnes M. Morgan, Trustee		
		5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512		
.0609582	OGP (Delaware) Inc.	95% x 18.254717% x 86.485606% of 25/64 + 95% x 18.254717% of 7/512		
		Subject to Excess ORRI to:		
		Agnes M. Morgan		
		95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512		
		Agnes M. Morgan, Trustee		
		95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512		
.0452431	Westland Oil Development Corp.	11.582241% of 25/64		
.0047021	Thayer H. Laurie	1.203736% of 25/64		
.0028454	T.H. Laurie & D.N. Mills, Trustees	.728417% of 25/64		
.0957031	Burk, Bakwin & Henry	49/512		
1.0000000				

Record Owner of Lease and Expiration Date	Tract Particip. Decimal	Tract W.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of Royalty	Percent of ORRI
Tract No.	Description	No. of Acres			

PATENTED LANDS

57	<u>T30N R7W</u>	53.00	Amoco Production Company et al 11/10/57	.0016304	.0008152 .0004503 .0000050 .0000955 .0000738 .0000077 .0000046 .0001783 .0016304
**Sec. 6: South 27 acres of NW¼ NE¼ and North 26 acres of SW¼ NE¼, being the North 53 acres of the South 107 acres of Tract 39					

RIGHTS IN MESAVERDE FORMATION ONLY

Amoco Production Company  
Blackwood & Nichols Co., Ltd.  
Devon-Bianco, Ltd.  
OGP (Delaware) Inc.  
Westland Oil Development Corp.  
Thayer H. Laurie  
T.H. Laurie & D.N. Mills, Trustees  
El Paso Natural Gas Company  
SUBJECT 10 gas payment from these and other lands in total amount of  
\$1,100,000 payable to:  
Nelson & Edward Morris, Ltd.  
A.M. Lloyd  
Payable from gas produced to this interest (net of royalties and other  
burdens) from Mesaverde formation only out of:  
3¼¢ per Mcf for first 10 years  
4¼¢ per Mcf thereafter and subject to suspension and conversion.  
All as is more specifically provided in "Assignment Affecting Record  
Title to Oil and Gas Lease" executed by said parties as of January 1,  
1954.

ALL RIGHTS OTHER THAN MESAVERDE FORMATION

**Refers to description by original survey, followed by description by re-survey underlined.					
			Amoco Production Company	1/2	
		.5000000 .2873398	Blackwood & Nichols Co., Ltd.	81.745283% x 86.485606% of 25/64 + 81.745283% of 7/512	
			Subject to Excess ORRI to:		
			Agnes M. Morgan	81.745283% of 1/2 of 1/8 of 8/8 of 7/512	
			Agnes M. Morgan, Trustee	81.745283% of 1/2 of 1/8 of 8/8 of 7/512	
			5% x 18.254717% x 86.485606% of 25/64		
			+ 5% x 18.254717% of 7/512		
			Subject to Excess ORRI to:		
			Agnes M. Morgan	5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512	
			Agnes M. Morgan, Trustee	5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512	
			5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512		
		.0032083	Devon-Bianco, Ltd.		

Revised as of 5/19/86

\*DETAIL ATTACHED

Tract No.	Description	No. of Acres	Record Owner of Lease and Expiration Date	Tract Particip. Decimal	Tract W.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of Royalty	Percent of ORRI
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PATENTED LAND

57, Cont.				.0032083	OGP (Delaware) Inc.	95% x 18.254717% x 86.485606% of 25/64 + 95% x 18.254717% of 7/512 Subject to Excess ORRI to: Agnes M. Morgan 95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512 Agnes M. Morgan, Trustee 95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512		
				.0452431	Westland Oil Development Corp.	11.582241% of 25/64		
				.0047021	Thayer H. Laurie	1.203736% of 25/64		
				.0028454	T.H. Laurie & D.N. Mills, Trustees	.728417% of 25/64		
				.0957031	Burk, Bakwin & Henry	49/512		
				1.0000000				

58	T30N R7W Sec. 7: Lots 10 and 11	21.39	Amoco Production Company et al 11/12/57	.0006580	Amoco Production Company	RIGHTS IN MESAVERDE FORMATION ONLY		
				.0003290	Blackwood & Nichols Co., Ltd.	81.745283% x 86.485606% of 25/64	1/2	12½%* None
				.0001817	Devon-Blanco, Ltd.	5% x 18.254717% x 86.485606% of 25/64		
				.0000020	OGP (Delaware) Inc.	95% x 18.254717% x 86.485606% of 25/64		
				.0000386	Westland Oil Development Corp.	11.582241% of 25/64		
				.0000297	Thayer H. Laurie	1.203736% of 25/64		
				.0000031	T.H. Laurie & D.N. Mills, Trustees	.728417% of 25/64		
				.0000019	EI Paso Natural Gas Company	7/64		
				.0000720	SUBJECT TO gas payment from these and other lands in total amount of			
				.0006580	\$1,100,000 payable to: Nelson & Edward Morris, Ltd.	7/8 1/8		

A.M. Lloyd  
Payable from gas produced to this interest (net of royalties and other burdens) from Mesaverde formation only out of:  
3¾¢ per Mcf for first 10 years  
4¾¢ per Mcf thereafter and subject to suspension and conversion.

All as is more specifically provided in "Assignment Affecting Record Title to Oil and Gas Lease" executed by said parties as of January 1, 1954.

Tract No.	Description	No. of Acres	Record Owner of Lease and Expiration Date	Tract Particip. Decimal	Tract W.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of		Percent of	
							Royalty	ORRI	Royalty	ORRI

PATENTED LANDS

58, Cont.

ALL RIGHTS OTHER THAN MESAVERDE FORMATION

.50000000	Amoco Production Company	1/2	81.745283% x 86.485606% of 25/64	
.2873398	Blackwood & Nichols Co., Ltd.	+ 81.745283%	of 7/512	
		Subject to Excess ORRI to:		
	Agnes M. Morgan	81.745283% of 1/2 of 1/8 of 8/8 of 7/512		
	Agnes M. Morgan, Trustee	81.745283% of 1/2 of 1/8 of 8/8 of 7/512		
.0032083	Devon-Blanco, Ltd.	5% x 18.254717% x 86.485606% of 25/64		
		+ 5% x 18.254717% of 7/512		
		Subject to Excess ORRI to:		
	Agnes M. Morgan	5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512		
	Agnes M. Morgan, Trustee	5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512		
.0609582	OGP (Delaware) Inc.	95% x 18.254717% x 86.485606% of 25/64		
		+ 95% x 18.254717% of 7/512		
		Subject to Excess ORRI to:		
	Agnes M. Morgan	95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512		
	Agnes M. Morgan, Trustee	95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512		
.0452431	Westland Oil Development Corp.	11.582241% of 25/64		
.0047021	Thayer H. Laurie	1.203736% of 25/64		
.0028454	T.H. Laurie & D.N. Mills, Trustees	.728417% of 25/64		
.0957031	Burk, Bakwin & Henry	49/512		
<u>1.0000000</u>				

Tract No.	Description	No. of Acres	Record Owner of Lease and Expiration Date	Tract Particip. Decimal	Tract W.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of Royalty	Percent of ORRI
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PATENTED LANDS

59	<u>T30N R7W</u>	140.00	Amoco Production Co., et al 11/17/57	.0043067	.0021534	Amoco Production Company	1/2	12 1/2%*	None
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\*\*Sec. 7: S 1/2 NE 1/4 SW 1/4, being the South 20 acres of Tract 40.

.0011893  
.0000133  
.0002523  
.0001948  
.0000203  
.0000123  
.0004710  
.0043067

\*\*Sec. 7: East 80 and acres of Tract 41

SUBJECT TO gas payment from these and other lands in total amount of \$1,100,000 payable to:  
Nelson & Edward Morris, Ltd.

\*\*Sec. 8: North 40 acres of Tract 42.

A.M. Lloyd  
Payable from gas produced to this interest (net of royalties and other burdens) from Mesaverde formation only out of:  
3 3/4¢ per Mcf for first 10 years  
4 1/2¢ per Mcf thereafter and subject to suspension and conversion.  
All as is more specifically provided in "Assignment Affecting Record Title to Oil and Gas Lease" executed by said parties as of January 1, 1954.

ALL RIGHTS OTHER THAN MESAVERDE FORMATION

.5000000  
.2873398

Amoco Production Company  
Blackwood & Nichols Co., Ltd.

\*\*Refers to description by original survey, followed by description by re-survey underlined.

81.745283% x 86.485606% of 25/64  
+ 81.745283% of 7/512  
Subject to Excess ORRI to:  
Agnes M. Morgan  
81.745283% of 1/2 of 1/8 of 8/8 of 7/512  
Agnes M. Morgan, Trustee  
81.745283% of 1/2 of 1/8 of 8/8 of 7/512  
+ 5% x 18.254717% x 86.485606% of 25/64  
+ 5% x 18.254717% of 7/512  
Subject to Excess ORRI to:  
Agnes M. Morgan  
5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512  
Agnes M. Morgan, Trustee  
5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512

.0032083 Devon-Blanco, Ltd.



**PATENTED LANDS**

95% x 18.254717% x 86.485606% of 25/64  
+ 95% x 18.254717% of 7/512

**Agnes M. Morgan**

**Agnes M. Morgan, Trustee**

95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512

11.582241% of 25/64

1.203736% of 25/64

728417% of 25/64

49/512

Westland Oil Development Corp.  
Thayer H. Laurie  
T.H. Laurie & D.N. Mills, Trustees  
Burk, Bakwin & Henry

5% x 18.254717% x 86.485606% of 25/64  
95% x 18.254717% x 86.485606% of 25/64

- 11.582241% of 25/64

1.203736% of 25/64

**.728417% of 25/64**

7/64

SUBJECT TO gas payment from these and other lands in total amount of

**Nelson & Edward Morris, Ltd.**

1/8

burdens) from Mesaverde formation only out of:

**Sec. 18: Tract 41.**

All as is more specifically provided in "Assignment Affecting Record

Title to Oil and Gas Lease" executed by said parties as of January 1,

1954.

**\*DETAIL ATTACHED**

Tract No.	Description	No. of Acres	Santa Fe Serial No., Lease Date, & Record Holder	Tract Particip. Decimal	Tract W.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of Royalty	Percent of ORRI
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PATENTED LANDS

60, Cont.

ALL RIGHTS OTHER THAN MESAVERDE FORMATION

.5000000	Amoco Production Company	1/2	
.2873398	Blackwood & Nichols Co., Ltd.	81.745283% x 86.485606% of 25/64 of 7/512	
	+ 81.745283%	of 7/512	
	Subject to Excess ORRI to:		
	Agnes M. Morgan		
	81.745283% of 1/2 of 1/8 of 8/8 of 7/512		
	Agnes M. Morgan, Trustee		
	81.745283% of 1/2 of 1/8 of 8/8 of 7/512		
	5% x 18.254717% x 86.485606% of 25/64 of 7/512		
	+ 5% x 18.254717%		
.0032083	Devon-Blanco, Ltd.	5% x 18.254717% of 7/512	
	Subject to Excess ORRI to:		
	Agnes M. Morgan		
	5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512		
	Agnes M. Morgan, Trustee		
	5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512		
	5% x 18.254717% x 86.485606% of 25/64 of 7/512		
	+ 95% x 18.254717%		
.0609582	OGP (Delaware) Inc.	95% x 18.254717% of 7/512	
	Subject to Excess ORRI to:		
	Agnes M. Morgan		
	95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512		
	Agnes M. Morgan, Trustee		
	95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512		
	11.582241% of 25/64		
.0452431	Westland Oil Development Corp.	1.203736% of 25/64	
.0047021	Thayer H. Laurie	.728417% of 25/64	
.0028454	T.H. Laurie & D.N. Mills, Trustees	49/512	
.0957031	Burk, Bakwin & Henry		
<u>1.0000000</u>			

Tract No.	Description	No. of Acres	Record Owner of Lease and Expiration Date	Tract Particip. Decimal	Tract W.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of Royalty	Percent of ORRI

PATENTED LANDS

61	T30N R7W	160.00	Amoco Production Co., et al 11/12/57	.0049219	.0024610 .0013593 .0000152 .0002883 .0002227 .0000231 .0000140 .0005383 .0049219	Amoco Production Company Blackwood & Nichols Co., Ltd. Devon-Blanco, Ltd. OGP (Delaware) Inc. Westland Oil Development Corp. Thayer H. Laurie T.H. Laurie & D.N. Mills, Trustees El Paso Natural Gas Company SUBJECT TO gas payment from these and other lands in total amount of \$1,100,000 payable to: Nelson & Edward Morris, Ltd. A.M. Lloyd	81.745283% x 86.485606% of 25/64 5% x 18.254717% x 86.485606% of 25/64 95% x 18.254717% x 86.485606% of 25/64 11.582241% of 25/64 1.203736% of 25/64 .728417% of 25/64	1/2 12 1/2%* None
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RIGHTS IN MESAVERDE FORMATION ONLY

Payable from gas produced to this interest (net of royalties and other burdens) from Mesaverde formation only out of:

3 1/2¢ per Mcf for first 10 years  
4 1/2¢ per Mcf thereafter and subject to suspension and conversion.  
All as is more specifically provided in "Assignment Affecting Record Title to Oil and Gas Lease" executed by said parties as of January 1, 1954.

ALL RIGHTS OTHER THAN MESAVERDE FORMATION

.5000000 .2873398	Amoco Production Company Blackwood & Nichols Co., Ltd.	81.745283% x 86.485606% of 25/64 + 81.745283% of 7/512 Subject to Excess ORRI to: Agnes M. Morgan 81.745283% of 1/2 of 1/8 of 8/8 of 7/512 Agnes M. Morgan, Trustee 81.745283% of 1/2 of 1/8 of 8/8 of 7/512 + 5% x 18.254717% of 25/64 5% x 18.254717% of 7/512 Subject to Excess ORRI to: Agnes M. Morgan 5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512 Agnes M. Morgan, Trustee 5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512	1/2
.0032083	Devon-Blanco, Ltd.		

\*\*Refers to description by original survey, followed by description by resurvey underlined.

Tract No.	Description	No. of Acres	Record of Owner of Lease and Expiration Date	Tract Particip. Decimal	Tract W.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of Royalty	Percent of ORRI
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PATENTED LANDS

61, Cont.				.0609582	OGP (Delaware) Inc.	95% x 18.254717% x 86.485606% of 25/64 + 95% x 18.254717% of 7/512 Subject to Excess ORRI to: Agnes M. Morgan 95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512 Agnes M. Morgan, Trustee 95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512 11.582241% of 25/64 1.203736% of 25/64 .728417% of 25/64 49/512		
				1.0000000	Westland Oil Development Corp. Thayer H. Laurie T.H. Laurie & D.N. Mills, Trustees Burk, Bakwin & Henry			

RIGHTS IN MESAVERDE FORMATION ONLY

62	T30N R7W	80.00	Amoco Production Co., et al 11/10/57	.0024609	.0012304 .0006796 .0000076 .0001442 .0001113 .0000116 .0000070 .0002692 .0024609	Amoco Production Company Blackwood & Nichols Co., Ltd. Devon-Blanco, Ltd. OGP (Delaware) Inc. Westland Oil Development Corp. Thayer H. Laurie T.H. Laurie & D.N. Mills, Trustees EI Paso Natural Gas Company SUBJECT TO gas payment from these and other lands in total amount of \$1,100,000 payable to: Nelson & Edward Morris, Ltd. A.M. Lloyd	81.745283% x 86.485606% of 25/64 5% x 18.254717% x 86.485606% of 25/64 95% x 18.254717% x 86.485606% of 25/64 11.582241% of 25/64 1.203736% of 25/64 .728417% of 25/64	1/2 12 1/2%* None
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\*\*Refers to description by original survey, followed by description by re-survey underlined.

Tract No.	Description	No. of Acres	Record of Owner of Lease and Expiration Date	Tract Particip. Decimal	Tract W.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of		Percent of	
							Royalty		ORRI	

PATENTED LANDS

62, Cont.

ALL RIGHTS OTHER THAN MESAVERDE FORMATION

.5000000	Amoco Production Company	1/2	
.2873398	Blackwood & Nichols Co., Ltd.	81.745283% x 86.485606% of 25/64 of 7/512	
		+ 81.745283%	
		Subject to Excess ORRI to:	
		Agnes M. Morgan	
		81.745283% of 1/2 of 1/8 of 8/8 of 7/512	
		Agnes M. Morgan, Trustee	
		81.745283% of 1/2 of 1/8 of 8/8 of 7/512	
		5% x 18.254717% x 86.485606% of 25/64 of 7/512	
		+ 5% x 18.254717%	
.0032083	Devon-Blanco, Ltd.	5% x 18.254717% x 86.485606% of 25/64 of 7/512	
		Subject to Excess ORRI to:	
		Agnes M. Morgan	
		5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512	
		Agnes M. Morgan, Trustee	
		5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512	
		95% x 18.254717% x 86.485606% of 25/64 of 7/512	
		+ 95% x 18.254717%	
.0609582	OGP (Delaware) Inc.	95% x 18.254717% of 7/512	
		Subject to Excess ORRI to:	
		Agnes M. Morgan	
		95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512	
		Agnes M. Morgan, Trustee	
		95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512	
		11.582241% of 25/64	
		1.203736% of 25/64	
		.728417% of 25/64	
		49/512	
.0452431	Westland Oil Development Corp.		
.0047021	Thayer H. Laurie		
.0028454	T.H. Laurie & D.N. Mills, Trustees		
.0957031	Burk, Bakwin & Henry		
1.0000000			

Record Owner of Lease and Expiration Date	Tract Particip. W.I. Decimal	Tract Particip. W.I. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of Royalty	Percent of ORRI
Tract No.	Description	No. of Acres			

PATENTED LANDS

63      T30N R7W      116.28      Amoco      .0035770

Sec. 18: S $\frac{1}{2}$  SE $\frac{1}{4}$ ,  
NW $\frac{1}{4}$  SE $\frac{1}{4}$       Production  
Co., et al  
9/1/53

Sec. 19: NE $\frac{1}{4}$  NE $\frac{1}{4}$

According to the plat of survey  
filed with the Surveyor General's  
Office, Santa Fe, New Mexico, on  
November 4, 1882, and also described  
as Tract 45 in Sections 17, 18, 19  
and 20, according to plat of inde-  
pendent resurvey filed with the  
Surveyor General's Office, Santa  
Fe, New Mexico, on July 19, 1915,  
and containing 116.28 acres, more  
or less, LYING EAST OF THE SAN  
JUAN RIVER IN RIO ARRIBA COUNTY,  
NEW MEXICO.

.0012520  
.0010016  
.0009357  
.0000104  
.0001985  
.0001533  
.0000159  
.0000096  
.0035770

RIGHTS IN THE MESAVERDE FORMATION ONLY

Amoco Production Company  
El Paso Natural Gas Company  
Blackwood & Nichols Co., Ltd.  
Devon-Blanco, Ltd.  
OGP (Delaware) Inc.  
Westland Oil Development Corp.  
Thayer H. Laurie  
T.H. Laurie & D.N. Mills, Trustees

81.745283% x 86.485606% of 35%  
5% x 18.254717% x 86.485606% of 28%  
95% x 18.254717% x 86.485606% of 37%  
11.582241% of 37%  
1.203736% of 37%  
.728417% of 37%

ALL RIGHTS OTHER THAN MESAVERDE FORMATION

Amoco Production Company  
El Paso Natural Gas Company  
Blackwood & Nichols Co., Ltd.  
Devon-Blanco, Ltd.  
OGP (Delaware) Inc.  
Westland Oil Development Corp.  
Thayer H. Laurie  
T.H. Laurie & D.N. Mills, Trustees

81.745283% x 86.485606% of 35%  
5% x 18.254717% x 86.485606% of 28%  
95% x 18.254717% x 86.485606% of 37%  
11.582241% of 37%  
1.203736% of 37%  
.728417% of 37%

Tract No.	Description	No. of Acres	Record Owner of Lease and Expiration Date	Tract Particip. Decimal	Tract W.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of Royalty	Percent of ORRI
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PATENTED LANDS

64	T30N R7W	80.00	Amoco Production Co., et al 11/10/57	.0024609	.0012304 .0006796 .0000076 .0001442 .0001113 .0000116 .0000070 .0002692 .0024609	Amoco Production Company Blackwood & Nichols Co., Ltd. Devon-Blanco, Ltd. OGP (Delaware) Inc. Westland Oil Development Corp. Thayer H. Laurie T.H. Laurie & D.N. Mills, Trustees El Paso Natural Gas Company SUBJECT TO gas payment from these and other lands in total amount of \$1,100,000 payable to: Nelson & Edward Morris, Ltd. A.M. Lloyd	1/2 12½%* None	
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RIGHTS IN MESAVERDE FORMATION ONLY

81.745283% x 86.485606% of 25/64  
5% x 18.254717% x 86.485606% of 25/64  
95% x 18.254717% x 86.485606% of 25/64  
11.582241% of 25/64  
1.203736% of 25/64  
.728417% of 25/64  
7/64

Payable from gas produced to this interest (net of royalties and other burdens) from Mesaverde formation only out of:  
3½¢ per Mcf for first 10 years  
4½¢ per Mcf thereafter and subject to suspension and conversion.  
All as is more specifically provided in "Assignment Affecting Record Title to Oil and Gas Lease" executed by said parties as of January 1, 1954.

ALL RIGHTS OTHER THAN MESAVERDE FORMATION

.5000000 .2873398	Amoco Production Company Blackwood & Nichols Co., Ltd.	81.745283% x 86.485606% of 25/64 + 81.745283% of 7/512 Subject to Excess ORRI to: Agnes M. Morgan 81.745283% of 1/2 of 1/8 of 8/8 of 7/512 Agnes M. Morgan, Trustee 81.745283% of 1/2 of 1/8 of 8/8 of 7/512 5% x 18.254717% x 86.485606% of 25/64 + 5% x 18.254717% of 7/512 Subject to Excess ORRI to: Agnes M. Morgan 5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512 Agnes M. Morgan, Trustee 5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512	1/2 25/64 7/512
.0032083	Devon-Blanco, Ltd.		

\*\*Refers to description by original survey, followed by description by resurvey underlined.

**PATENTED LANDS**

95% x 18.254717% x 86.485606% of 25/64  
+ 95% x 18.254717% of 7/512

**Agnes M. Morgan**

95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512

**Agnes M. Morgan, Trustee**

95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512

11.582241% of 25/64

1.203736% of 25/64

.728417% of 25/64

49/512

65	T30N R7W	43.72	Amoco	.0013449
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81.745283% x 86.485606% of 25/64	1/2	12 1/2%*	None
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81.745283% x 86.485606% of 25/64  
5% x 18.254717% x 86.485606% of 25/64  
95% x 18.254717% x 86.485606% of 25/64

95% x 18.254717% x 86.485606% of 25/64  
11.582241% of 25/64  
1.203736% of 25/64

1.203736% of 25/64  
.728417% of 25/64  
7/64

E1 Paso Natural Gas Company  
SUBJECT TO gas payment from these and other lands in total amount of 7/64

SUBJECT TO gas payment from the  
\$1,100,000 payable to:

**\$1,100,000 payable to:  
Nelson & Edward Morris, Ltd.**

**Nelson & Edward Morris, Ltd.**  
**A.M. Lloyd**

A.M. Lloyd  
Payable from gas produced to this

A.M. Lloyd 1/8  
Payable from gas produced to this interest (net of royalties and other burdens) from Mesaverde formation only out of:

Payable from gas produced to this interest (net of royalties and other burdens) from Mesaverde formation only out of:  
~~32¢~~ per Mcf for first 10 years

burdens) from Mesaverde formation only out of:  
 3½¢ per Mcf for first 10 years  
 4½¢ per Mcf thereafter and subject to suspension and conversion.

33~~4~~ per Mcf for first 10 years  
43~~4~~ per Mcf thereafter and subject to suspension and conversion.  
A11 as is more specifically provided in "Assignment Affecting Record

Title to Oil and Gas Lease" executed by said parties as of January 1, 1954.



Tract No.	Description	No. of Acres	Record Owner of Lease and Expiration Date	Tract Particip. Decimal	Tract W.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of Royalty		Percent of ORRI	
							Percent of Royalty	Percent of ORRI	Percent of Royalty	Percent of ORRI

PATENTED LANDS

65, Cont.

ALL RIGHTS OTHER THAN MESAVERDE FORMATION										
.5000000	Amoco Production Company									
.2873398	Blackwood & Nichols Co., Ltd.									
						81.745283% x 86.485606% of 25/64	1/2			
						+ 81.745283% of 7/512				
						Subject to Excess ORRI to:				
						Agnes M. Morgan				
						81.745283% of 1/2 of 1/8 of 8/8 of 7/512				
						Agnes M. Morgan, Trustee				
						81.745283% of 1/2 of 1/8 of 8/8 of 7/512				
						5% x 18.254717% x 86.485606% of 25/64				
						+ 5% x 18.254717% of 7/512				
						Subject to Excess ORRI to:				
						Agnes M. Morgan				
						5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512				
						Agnes M. Morgan, Trustee				
						5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512				
						95% x 18.254717% x 86.485606% of 25/64				
						+ 95% x 18.254717% of 7/512				
						Subject to Excess ORRI to:				
						Agnes M. Morgan				
						95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512				
						Agnes M. Morgan, Trustee				
						95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512				
						11.582241% of 25/64				
						1.203736% of 25/64				
						.728417% of 25/64				
						49/512				
.0452431	Westland Oil Development Corp.									
.0047021	Thayer H. Laurie									
.0028454	T.H. Laurie & D.N. Mills, Trustees									
.0957031	Burk, Bakwin & Henry									
1.0000000										

Tract No.	Description	No. of Acres	Record Owner of Lease and Expiration Date	Tract Particip. Decimal	Tract W.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of Percent	
							Royalty	ORRI

PATENTED LANDS

66	T30N. R7W Sec. 4: E½ SW¼ Blackwood & Nichols Co., Ltd. et al 6/16/56	80.00		.0024609	.0013593 .0000152 .0002883 .0002227 .0000231 .0000140 .0005383 .0024609	RIGHTS IN MESAVERDE FORMATION ONLY Blackwood & Nichols Co., Ltd. Devon-Blanco, Ltd. OGP (Delaware) Inc. Westland Oil Development Corp. Thayer H. Laurie T.H. Laurie & D.N. Mills, Trustees El Paso Natural Gas Company SUBJECT TO gas payment from these and other lands in total amount of \$1,100,000 payable to: Nelson & Edward Morris, Ltd. A.M. Lloyd	81.745283% x 86.485606% of 25/32 5% x 18.254717% x 86.485606% of 25/32 95% x 18.254717% x 86.485606% of 25/32 11.582241% of 25/32 1.203736% of 25/32 .728417% of 25/32 7/32	12½%* None
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Payable from gas produced to this interest (net of royalties and other burdens) from Mesaverde formation only out of:  
3½¢ per Mcf for first 10 years  
4½¢ per Mcf thereafter and subject to suspension and conversion.  
All as is more specifically provided in "Assignment Affecting Record Title to Oil and Gas Lease" executed by said parties as of January 1, 1954.

ALL RIGHTS OTHER THAN MESAVERDE FORMATION

.5746796	Blackwood & Nichols Co., Ltd.	81.745283% x 86.485606% of 25/32 + 81.745283% of 7/256 Subject to Excess ORRI to: Agnes M. Morgan 81.745283% of 1/2 of 1/8 of 8/8 of 7/256 Agnes M. Morgan, Trustee 81.745283% of 1/2 of 1/8 of 8/8 of 7/256 5% x 18.254717% x 86.485606% of 25/32 + 5% x 18.254717% of 7/256 Subject to Excess ORRI to: Agnes M. Morgan 5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/256 Agnes M. Morgan, Trustee 5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/256
.0064167	Devon-Blanco, Ltd.	

Royalty ORRI

95% x 18.254717% x 86.485606% of 25/32  
+ 95% x 18.254717% x 86.485606% of 7/256

Agnes M. Morgan

95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/256

Agnes M. Morgan, Trustee

95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/256

11.582241% of 25/32

1.203736% of 25/32

**.728417% of 25/32**

49/256

Westland Oil Development Corp.  
Thayer H. Laurie  
T.H. Laurie & D.N. Mills, Trustees  
Burk, Bakwin & Henry

12-1/5%

et al

Tract No.	Description	No. of Acres	Record Owner of Lease and Expiration Date	Tract Particip. Decimal	Tract W.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of		Percent of	
							Royalty	ORRI	Royalty	ORRI

PATENTED LANDS

68	T30N R7W	40.00	Amoco Production Co., et al 4/14/58 4/15/58	.0012305	.0006152 .0003398 .0000038 .0000721 .0000557 .0000058 .0000035 .0001346 .0012305	RIGHTS IN MESAVERDE FORMATION ONLY Amoco Production Company Blackwood & Nichols Co., Ltd. Devon-Blanco, Ltd. OGP (Delaware) Inc. Westland Oil Development Corp. Thayer H. Laurie T.H. Laurie & D.N. Mills, Trustees El Paso Natural Gas Company SUBJECT TO gas payment from these and other lands in total amount of \$1,100,000 payable to: Nelson & Edward Morris, Ltd. A.M. Lloyd	81.745283% x 86.485606% of 25/64 5% x 18.254717% x 86.485606% of 25/64 95% x 18.254717% x 86.485606% of 25/64 11.582241% of 25/64 1.203736% of 25/64 .728417% of 25/64	1/2 12 1/2%*	None
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\*\*Sec. 6:SE 1/4 SW 1/4, being the North 40 acres of Tract 40.

\*\*Refers to description by original survey, followed by description by re-survey underlined.

Payable from gas produced to this interest (net of royalties and other burdens) from Mesaverde formation only out of:  
3 3/4¢ per Mcf for first 10 years  
4 1/4¢ per Mcf thereafter and subject to suspension and conversion.  
All as is more specifically provided in "Assignment Affecting Record Title to Oil and Gas Lease" executed by said parties as of January 1, 1954.

ALL RIGHTS OTHER THAN MESAVERDE FORMATION

.5000000 .2873398	Amoco Production Company Blackwood & Nichols Co., Ltd.	81.745283% x 86.485606% of 25/64 + 81.745283% of 7/512	1/2
.0032083	Devon-Blanco, Ltd.	81.745283% of 1/2 of 1/8 of 8/8 of 7/512 Agnes M. Morgan, Trustee 81.745283% of 1/2 of 1/8 of 8/8 of 7/512 5% x 18.254717% x 86.485606% of 25/64 + 5% x 18.254717% of 7/512	
		Subject to Excess ORRI to: Agnes M. Morgan 5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512 Agnes M. Morgan, Trustee 5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512	

Record Tract No.	Description	Owner of Lease and Expiration Date	No. of Acres	Tract Particip. Decimal	Tract W.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of Royalty		Percent of ORRI	

PATENTED LANDS

68, Cont.					.0609582	OGP (Delaware) Inc.	95% x 18.254717% x 86.485606% of 25/64 + 95% x 18.254717% of 7/512			
							Subject to Excess ORRI to:			
							Agnes M. Morgan			
							95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512			
							Agnes M. Morgan, Trustee			
					.0452431	Westland Oil Development Corp.	95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512			
					.0047021	Thayer H. Laurie	11.582241% of 25/64			
					.0028454	T.H. Laurie & D.N. Mills, Trustees	1.203736% of 25/64			
					.0957031	Burk, Bakwin & Henry	.728417% of 25/64			
					1.0000000		49/512			

RIGHTS IN MESAVERDE FORMATION ONLY

69	T30N R8W	18.85	Amoco Production Co., et al 12/15/57	.0005799	.0002900	Amoco Production Company	81.745283% x 86.485606% of 25/64	1/2	12 1/2 %*	None
					.0001602	Blackwood & Nichols Co., Ltd.	5% x 18.254717% x 86.485606% of 25/64			
					.0000018	Devon-Blanco, Ltd.	95% x 18.254717% x 86.485606% of 25/64			
					.0000340	OGP (Delaware) Inc.	11.582241% of 25/64			
					.0000262	Westland Oil Development Corp.	1.203736% of 25/64			
					.0000027	Thayer H. Laurie	.728417% of 25/64			
					.0000016	T.H. Laurie & D.N. Mills, Trustees				
					.0000634	EI Paso Natural Gas Company				
					.0005799	SUBJECT TO gas payment from these and other lands in total amount of \$1,100,000 payable to:				
						Nelson & Edward Morris, Ltd.				

A.M. Lloyd 7/8  
1/8  
Payable from gas produced to this interest (net of royalties and other burdens) from Mesaverde formation only out of:

3 3/4¢ per Mcf for first 10 years  
4 3/4¢ per Mcf thereafter and subject to suspension and conversion.  
All as is more specifically provided in "Assignment Affecting Record Title to Oil and Gas Lease" executed by said parties as of January 1, 1954.

Tract No.	Description	No. of Acres	Record Owner of Lease and Expiration Date	Tract Particip. Decimal	Tract W.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of	
							Royalty	Percent of ORRI

PATENTED LANDS

69, Cont.

ALL RIGHTS OTHER THAN MESAVERDE FORMATION

.5000000	Amoco Production Company	1/2	
.2873398	Blackwood & Nichols Co., Ltd.	81.745283% x 86.485606% of 25/64 + 81.745283% of 7/512	
	Subject to Excess ORRI to:		
	Agnes M. Morgan		
	81.745283% of 1/2 of 1/8 of 8/8 of 7/512		
	Agnes M. Morgan, Trustee		
	81.745283% of 1/2 of 1/8 of 8/8 of 7/512		
.0032083	Devon-Blanco, Ltd.	5% x 18.254717% x 86.485606% of 25/64 + 5% x 18.254717% of 7/512	
	Subject to Excess ORRI to:		
	Agnes M. Morgan		
	5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512		
	Agnes M. Morgan, Trustee		
	5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512		
.0609582	OGP (Delaware) Inc.	95% x 18.254717% x 86.485606% of 25/64 + 95% x 18.254717% of 7/512	
	Subject to Excess ORRI to:		
	Agnes M. Morgan		
	95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512		
	Agnes M. Morgan, Trustee		
	95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512		
.0452431	Westland Oil Development Corp.	11.582241% of 25/64	
.0047021	Thayer H. Laurie	1.203736% of 25/64	
.0028454	T.H. Laurie & D.N. Mills, Trustees	.728417% of 25/64	
.0957031	Burk, Bakwin & Henry	49/512	
1.0000000			

Tract No.	Description	No. of Acres	Record Owner of Lease and Expiration Date	Tract Particip. Decimal	Tract W.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of Royalty	Percent of ORRI
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PATENTED LANDS

70	T30N R8M	120.15	Amoco Production Co., et al 11/17/57	.0036960	.0018480 .0010207 .0000114 .0002166 .0001672 .0000174 .0000105 .0004042 .0036960	RIGHTS IN MESAVERDE FORMATION ONLY Amoco Production Company Blackwood & Nichols Co., Ltd. Devon-Blanco, Ltd. OGP (Delaware) Inc. Westland Oil Development Corp. Thayer H. Laurie T.H. Laurie & D.N. Mills, Trustees El Paso Natural Gas Company SUBJECT TO gas payment from these and other lands in total amount of \$1,100,000 payable to: Nelson & Edward Morris, Ltd. A.M. Lloyd	1/2 12½%* None	
	Sec. 13: The West 65.55 acres of the NE¼; NE¼ SE¼ except the West 100 ft. thereof and except 2 acres in the SW corner thereof and the East 20 acres of the NW¼ SE¼.					81.745283% x 86.485606% of 25/64 5% x 18.254717% x 86.485606% of 25/64 95% x 18.254717% x 86.485606% of 25/64 11.582241% of 25/64 1.203736% of 25/64 .728417% of 25/64 7/64		

Payable from gas produced to this interest (net of royalties and other burdens) from Mesaverde formation only out of:

3¾ per Mcf for first 10 years

4¾ per Mcf thereafter and subject to suspension and conversion.

All as is more specifically provided in "Assignment Affecting Record Title to Oil and Gas Lease" executed by said parties as of January 1, 1954.

ALL RIGHTS OTHER THAN MESAVERDE FORMATION

.5000000	Amoco Production Company	1/2	
.2873398	Blackwood & Nichols Co., Ltd.	81.745283% x 86.485606% of 25/64 + 81.745283% of 7/512	
	Subject to Excess ORRI to:		
	Agnes M. Morgan	81.745283% of 1/2 of 1/8 of 8/8 of 7/512	
	Agnes M. Morgan, Trustee	81.745283% of 1/2 of 1/8 of 8/8 of 7/512	
	5% x 18.254717% x 86.485606% of 25/64		
.0032083	Devon-Blanco, Ltd.	+ 5% x 18.254717% of 7/512	
	Subject to Excess ORRI to:		
	Agnes M. Morgan	5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512	
	Agnes M. Morgan, Trustee	5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512	

Tract No.	Description	No. of Acres	Record Owner of Lease and Expiration Date	Tract Particip. Decimal	Tract W.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of ORRI	
							Percent of	Percent of

PATENTED LANDS

70, Cont.					.0609582	OGP (Delaware) Inc.	95% x 18.254717% x 86.485606% of 25/64 + 95% x 18.254717% of 7/512	
					.0452431	Westland Oil Development Corp.		
					.0047021	Thayer H. Laurie		
					.0028454	T.H. Laurie & D.N. Mills, Trustees		
					.0957031	Burk, Bakwin & Henry		
					1.0000000			

71	<u>T30N R8W</u>	6.80	UNLEASED			NOT COMMITTED		Manuel E. Martinez
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Sec. 13:3.4 acres  
out of  
W $\frac{1}{2}$  NW $\frac{1}{4}$  SE $\frac{1}{4}$  and  
the West 100 ft.  
of NE $\frac{1}{4}$  SE $\frac{1}{4}$



Tract No.	Description	No. of Acres	Record Owner of Lease and Expiration Date	Tract Particip. Decimal	Tract W.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of Royalty		Percent of ORRI	

PATENTED LANDS

72	<u>T30N R8W</u>	2.00	UNLEASED			NOT COMMITTED	Tonita Martinez		None	
	Sec. 13:2 acres in SW corner of NE $\frac{1}{4}$ SE $\frac{1}{4}$									

73	<u>T30N R8W</u>	75.60	Northwest Pipeline Corporation 11/1/56	.0023256	.0023256	<u>RIGHTS IN MESAVERDE FORMATION ONLY</u> <u>Northwest Pipeline Corporation - ALL</u>	12 $\frac{1}{2}$ %*		None	
	Sec. 13:East 14.45 acres of W $\frac{1}{2}$ NE $\frac{1}{4}$ , West 61.15 acres of E $\frac{1}{2}$ NE $\frac{1}{4}$				1.0000000	<u>RIGHTS ABOVE THE MESAVERDE FORMATION</u> <u>Northwest Pipeline Corporation - ALL</u>				
					1.0000000	<u>RIGHTS BELOW THE BASE OF THE MESAVERDE FORMATION</u> <u>Phillips Petroleum Company - ALL</u>				

Tract No.	Description	No. of Acres	Record Owner of Lease and Expiration Date	Tract Particip. Decimal	Tract W.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of Royalty	Percent of ORRI
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PATENTED LANDS

74	<u>T30N R8W</u>	155.60	Northwest Pipeline Corporation 4/17/61	.0047865	.0047865	<u>RIGHTS IN MESAVERDE FORMATION ONLY</u> <u>Northwest Pipeline Corporation - ALL</u>	12½%*	None
	Sec. 13: N½ NW¼, SE¼ NW¼, NE¼ SW¼			1.0000000		<u>RIGHTS ABOVE THE MESAVERDE FORMATION</u> <u>Northwest Pipeline Corporation - ALL</u>		
				1.0000000		<u>RIGHTS BELOW THE BASE OF THE MESAVERDE FORMATION</u> <u>Phillips Petroleum Company - ALL</u>		

EXCEPT

(1) A certain piece of land situated at a place called los Martinez in Largo Precinct, enclosed in Homestead Certificate No. 1125 given by the United States Government to Felipe Santiago Martin February 25, 1885, said homestead certificate including the above described land, said

BEGINNING at the Southwest corner (a) going North following Western line to a point (b) 300 yards, from (b) in an Easterly direction, measure 80 yards to a point (c) from point (c) running South 70 yards, thence running East 70 yards, then North 70 yards, then West back to point (c) 70 yards, on which tract is a chapel built to "OUR LADY OF GUADALUPE", together with right of way to and from public road from Blanco to Pine View;

(2) All that part of the Northwest Quarter (NW¼) of the Northwest Quarter (NW¼) of said Section 13 lying, being and situated West of Molina Arroyo.

As to Exception (1) above	1.00	Northwest Pipeline Corporation 10/6/62	.0000308	.0000308	1.0000000	1.0000000	12½% (Bishop of Gallup)	None
						<u>RIGHTS IN THE MESAVERDE FORMATION ONLY</u> <u>Northwest Pipeline Corporation - ALL</u>		
						<u>RIGHTS ABOVE THE MESAVERDE FORMATION</u> <u>Northwest Pipeline Corporation - ALL</u>		
						<u>RIGHTS BELOW THE BASE OF THE MESAVERDE FORMATION</u> <u>Phillips Petroleum Company - ALL</u>		

Tract No.	Description	No. of Acres	Record Owner of Lease and Expiration Date	Tract Particip. Decimal	Tract W.I. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of Royalty	Percent of ORRI

PATENTED LANDS

75	<u>T30N R8W</u>	60.00	Delhi Oil Corporation	.0003230	.0001615	<u>RIGHTS IN MESAVERDE FORMATION ONLY</u>	12½%*	17½%*
	Sec. 12:SW¼ SW¼		8/17/57		.0001615	<u>Tenneco Oil Company</u>	½	
					.0003230	Continental Oil Company	½	

Sec. 13:That part of NW¼ NW¼ lying West of the Molino Arroyo					.5000000	<u>RIGHTS ABOVE THE MESAVERDE FORMATION</u>	½	
					.5000000	<u>Tenneco Oil Company</u>	½	
					1.0000000	Continental Oil Company	½	

<u>RIGHTS BELOW THE BASE OF THE MESAVERDE FORMATION</u>					.5000000	<u>Tenneco Oil Company</u>	½	
					.5000000	Continental Oil Company	½	
					1.0000000			

TOTAL PATENTED ACREAGE	3181.39
PERCENT OF UNIT AREA	9.65

Revised as of 5/19/86

\*DETAIL ATTACHED

<u>RECAPITULATION</u>		
FEDERAL	25,984.92	78.85
FEDERAL UNCOMMITTED	40.00	.12
STATE	3,430.47	10.41
STATE UNCOMMITTED	320.00	.97
PATENTED	3,092.59	9.38
PATENTED UNCOMMITTED	<u>88.80</u>	<u>.27</u>
TOTAL	32,956.78	100.00
TOTAL COMMITTED	32,507.98	

**BLACKWOOD & NICHOLS CO., LTD.**  
P.O. BOX 1237  
DURANGO, COLORADO 81302-1237  

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(303) 247-0728

August 31, 1986

United States Department of the Interior  
Bureau of Land Management  
435 Montano Road N.E.  
Albuquerque, NM 87107

Commissioner of Public Lands  
State of New Mexico  
P. O. Box 1148  
Santa Fe, New Mexico 87504-1148

State of New Mexico  
Energy and Minerals Department  
Oil Conservation Division  
P. O. Box 2088  
Santa Fe, New Mexico 87501

Re: Commercial Determination  
Northeast Blanco Unit Well No. 217  
NE $\frac{1}{4}$ , Section 27, T31N, R7W  
San Juan County, New Mexico  
Northeast Blanco Unit No. 1, Sec. 929,  
Tract 7

Gentlemen:

Blackwood & Nichols Co., Ltd., as Unit Operator, on behalf of itself and all owners of oil and gas leases within the Northeast Blanco Unit hereby submits the referenced well for a commercial determination. If approved commercial, then the 160 acres, Northeast quarter of Section 27, dedicated to the Number 217 well would become the first expansion to the existing Fruitland/Pictured Cliffs Participating Area. Following is a brief discussion of the well's economic standing and information pertaining to the expansion of the participating area.

Drilled and completed in 1983, the referenced well was approximately a two mile step out from other Fruitland/Pictured Cliffs development wells in the Northeast Blanco Unit. This well was perforated in the Lower Pictured Cliffs formation and then hydraulically stimulated. First production was on December 7, 1983.

Initial production was very good and averaged 750 MCFD during the first month. Water production was also significant; however, the exact volumes were not recorded. During 1985, the subject well produced an average

of 296 MCFD and 3 to 5 BWD. Note this well has been shut in a lot and we would estimate a substained production rate of 200 MCFD.

Economic Summary  
(100% Well Values)

Expenses:

Drill and Complete	\$212,000.00
Operating Costs	20,410.00
1984 - 3,340.00	
1985 - 15,550.00	
1986 - 1,520.00	
Total	\$232,410.00

Income:

<u>Period</u>	<u>Gross Value</u>	<u>Royalty &amp; Taxes</u>	<u>Net Income</u>
12/83 - 12/84	\$421,560.00	\$ 81,480.00	\$340,080.00
1/85 - 12/85	251,590.00	47,410.00	204,180.00
1/86 - 8/86	32,850.00	6,180.00	26,670.00
Totals	\$706,000.00	\$135,070.00	\$570,930.00

This economic summary represents what the working interest owners have received to date. Predicting the future gas prices and sale volumes are beyond this operator's capacity due to the current unstable gas market.

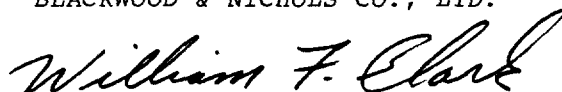
Clearly, the Number 217 well is commercial since it paid out in approximately eight months and has generated good income at low operating expenses since. Blackwood & Nichols, Co., Ltd. recommends that you approve this well as the first expansion to the Fruitland/Pictured Cliffs Participating Area effective on December 7, 1983.

Exhibit A is a partial map of the Northeast Blanco Unit and shows this recommended expansion. Exhibit B is a recapitulation of the working interest owners for the First Enlarged Participating Area - Fruitland/Pictured Cliffs.

If you need any additional information in this matter, please advise.

Sincerely,

BLACKWOOD & NICHOLS CO., LTD.



William F. Clark  
Operations Manager

WFC:ew

Attachments

Participating Area  
Wells No 202 & 204

- 7 - W

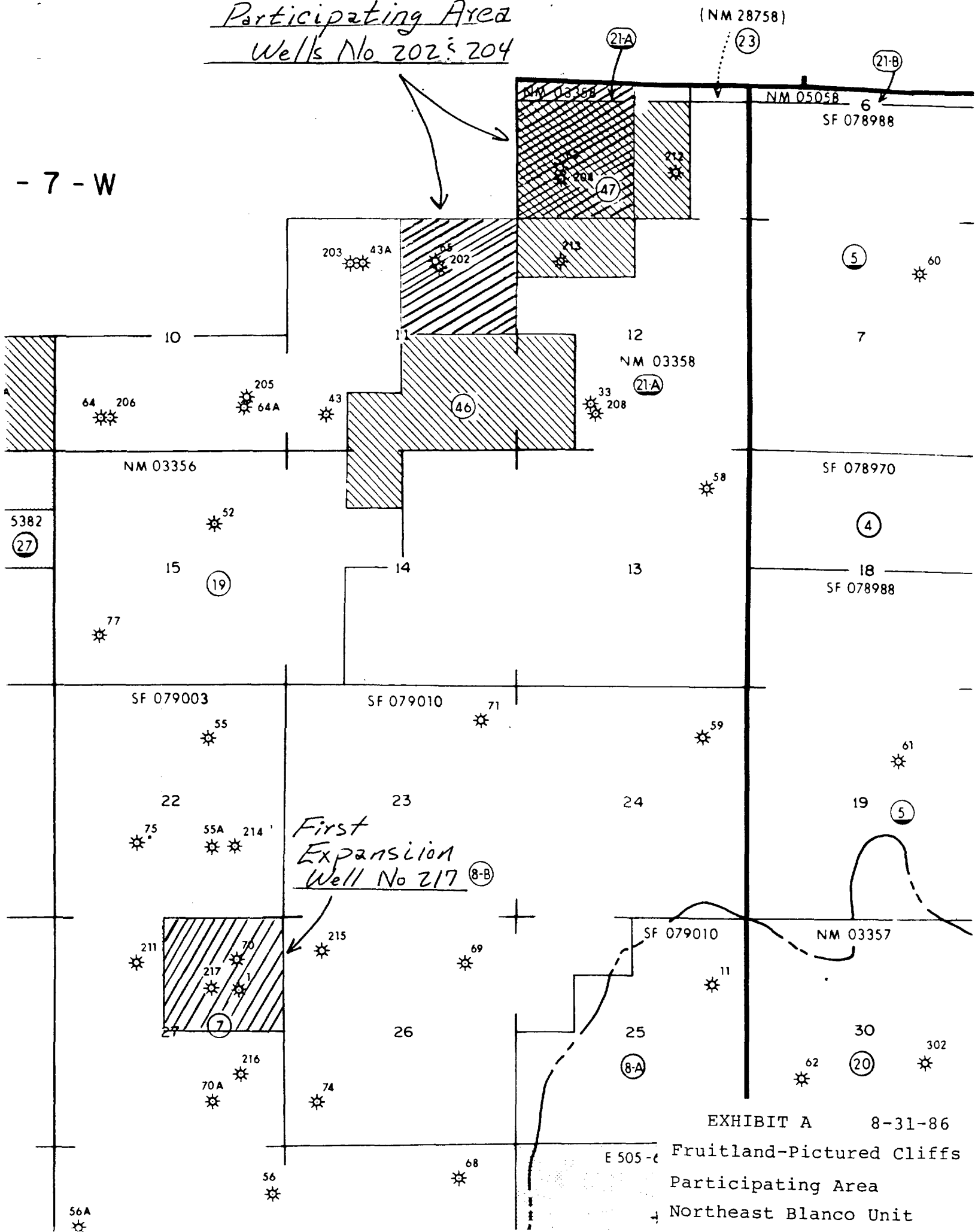


EXHIBIT A 8-31-86  
Fruitland-Pictured Cliffs  
Participating Area  
Northeast Blanco Unit

EXHIBIT "B"

SCHEDULE SHOWING THE PERCENTAGE AND KIND OF OWNERSHIP OF OIL & GAS INTERESTS  
IN THE FIRST EXPANSION OF THE FRUITLAND/PICTURED CLIFFS PARTICIPATING AREA

Tract No.	Description	No. of Acres	Santa Fe Serial No., Lease Date, Particip. Record Holder	Tract W.L. Particip. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of Royalty	Percent of ORRI
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FEDERAL LANDS

7	T31N R7W Sec. 27:NE¼	160	079003 7/1/48 Amoco Production Co., et al	.3164056 .1582028 .0909159	RIGHTS IN FRUITLAND/PICTURED CLIFFS FORMATION Amoco Production Company Blackwood & Nichols Co., Ltd.	USA 12½% 1/2 2½% *	
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81.745283% x 86.485606% of 25/64 of 160/505.68  
+ 81.745283% of 7/512 of 160/505.68  
Subject to Excess ORRI to:  
Agnes M. Morgan 81.745283%  
of 1/2 of 1/8 of 8/8 of 7/512 of 160/505.68  
Agnes M. Morgan, Trustee 81.745283%  
of 1/2 of 1/8 of 8/8 of 7/512 of 160/505.68

.0010151 Devon-Blanco, Ltd.  
5% x 18.254717% x 86.485606% of 25/64 of 160/505.68  
+ 5% x 18.254717% of 7/512 of 160/505.68  
Subject to Excess ORRI to:  
Agnes M. Morgan 5% x 18.254717%  
of 1/2 of 1/8 of 8/8 of 7/512 of 160/505.68  
Agnes M. Morgan, Trustee 5% x 18.254717%  
of 1/2 of 1/8 of 8/8 of 7/512 of 160/505.68

.0192875 OGP (Delaware) Inc.  
95% x 18.254717% x 86.485606% of 25/64 of 160/505.68  
+ 95% x 18.254717% of 7/512 of 160/505.68  
Subject to Excess ORRI to:  
Agnes M. Morgan 95% x 18.254717%  
of 1/2 of 1/8 of 8/8 of 7/512 of 160/505.68  
Agnes M. Morgan, Trustee 95% x 18.254717%  
of 1/2 of 1/8 of 8/8 of 7/512 of 160/505.68



7, cont.

PREPARED 8/31/86

Record Owner of Lease and Expiration Date	Tract Particip. W.I. Decimal	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment	Percent of Royalty	Percent of ORRI
Tract No.	Description	No. of Acres		

PATENTED LANDS

47 T31N R7W 160  
Sec. 1: SW ¼

Amoco  
Production  
Company,  
et al  
6/15/53

.3164056

.1582028  
.0909159

RIGHTS IN FRUITLAND/PICTURED CLIFFS FORMATION  
Amoco Production Company  
Blackwood & Nichols Co., Ltd.

1/2 USA 12 1/2%\* NONE  
81.745283% x 86.485606% of 25/64 of 160/505.68  
+ 81.745283% of 7/512 of 160/505.68

Subject to Excess ORRI to:  
Agnes M. Morgan 81.745283%  
of 1/2 of 1/8 of 8/8 of 7/512 of 160/505.68  
Agnes M. Morgan, Trustee 81.754283%  
of 1/2 of 1/8 of 8/8 of 7/512 of 160/505.68

5% x 18.254717% x 86.485606% of 25/64 of 160/505.68  
+ 5% x 18.254717% of 7/512 of 160/505.68

Subject to Excess ORRI to:  
Agnes M. Morgan 5% x 18.254717%  
of 1/2 of 1/8 of 8/8 of 7/512 of 160/505.68  
Agnes M. Morgan, Trustee 5% x 18.254717%  
of 1/2 of 1/8 of 8/8 of 7/512 of 160/505.68

.0010151 Devon-Blanco, Ltd.  
  
95% x 18.254717% x 86.485606% of 25/64 of 160/505.68  
+ 95% x 18.254717% of 7/512 of 160/505.68

Subject to Excess ORRI to:  
Agnes M. Morgan 95% x 18.254717%  
of 1/2 of 1/8 of 8/8 of 7/512 of 160/505.68  
Agnes M. Morgan, Trustee 95% x 18.254717%  
of 1/2 of 1/8 of 8/8 of 7/512 of 160/505.68

.0192875 OGP (Delaware) Inc.  
  
Westland Oil Development Corp. 11.582241% of 25/64 of 160/505.68  
Thayer H. Laurie 1.203736% of 25/64 of 160/505.68  
T.H. Laurie & D.N. Mills, Trustees .728417% of 25/64 of 160/505.68  
Burk, Bakwin & Henry 49/512 of 160/505.68  
.0143152  
.0014878  
.0009003  
.0302810  
.3164056

RECAPITULATION		
FEDERAL	345.68	68.35944%
PATENTED	<u>160.00</u>	<u>31.64056%</u>
TOTAL	505.68	100.0%