





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

> 1988 Plan of Development Re:

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 appropraiate 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

FLOYD O. PRANDO, Director Oil and Gas Division

(505) 827-5744

WRH/FOP/pm encis.

cc: OCD

BLM





Commissioner of Public Lands

SLO REF NO 0G-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 Durando, 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: Coycle Naw

FLOYD O. PRANDO, Director Oil and Gas Division

(505) 827-5744

WRH/FOP/pm encls. 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

William F. Cla

WFC:ew

Attachment

United States Department of the Interior March 10, 1988
Page 2

1988 Proposed Fruitland Coal Drilling Program Northeast Blanco Unit

| | Well No. | Location |
|-----|-------------|---------------------------------|
| 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: | 217.88 |
| | 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,

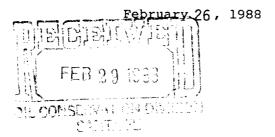
San Juan and Rio Arriba Counties, New Mexico, March 10, 1988 Supplement to the 1988 Plan of Development

- -

BLACKWOOD & NICHOLS CO., LTD.

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

(303) 247-0728



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

| Formation | Number of Wells | Status & Remarks |
|-----------------|-----------------|---|
| | 1.6 | m |
| 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 |
| - | 2 | Dual with Dakota |
| | 154 | Total Wells |

Production by Formation:

| | Cumulative thr | u 12-31-87: |
|------------------------------|-----------------|--------------|
| <u>Formation</u> | Gas | Condensate |
| Fruitland Pictured Cliffs | 1,379,307 MCF | 3,309 Bbls |
| Mesaverde | 307,178,972 MCF | 100,043 Bbls |
| Gallup | 57,339 MCF | 0 Bbls |
| Dakota | 6,107,259 MCF | 0 Bbls |
| 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.

PLAN OF DEVELOPMENT - 1988 - Page 3

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.,

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

Very truly yours,

BLACKWOOD & NICHOLS CO., LTD.

By: Charle F. Blackwird

Four copies to each addressee

| Approved: | | Date: |
|-----------------------------|--|---|
| | United States Department of the Bureau of Land Management 435 Montano Road, N.E. Albuquerque, New Mexico 87107 | Interior |
| | Subject to like approval by the Oil Conservation Division. | Commissioner of Public Lands and |
| Approved: | | Date: |
| | Commissioner of Public Lands State of New Mexico P.O. Box 1148 Santa Fe, New Mexico 87501 | |
| Approved: | Oil Conservation Division. | Bureau of Land Management and the Date: 3-3-88 |
| л ррго чец. <u>-</u> | State of New Mexico Energy and Minerals Department Oil Conservation Division P.O. Box 2088 State Land Office Building Santa Fe, New Mexico 87501 | Ducc |
| | Subject to like approval by the Commissioner of Public Lands. | Bureau of Land Management and the |

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 2 3 1987

Horrhoust Sieco 3180 (015) (POD)

Blackwood & Hichols Co. LID ADTN: William Glart P.G. Sox 1237 Duraugo, GO 81362-1237

dentiemon:

One approved copy of your First Amendment to the 1967 Plan of Development for the Northeast Blanco Unit area, San Juan and Rio Assiba Counties, New Mexico is enclosed. Such plan, proposing the drilling of the No. 304, located in the SWA of Section 30, T. 31 M., N. 6 M., is approved on this date subject to like approval by the appropriate officials of the Sate of New Mexico.

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

if you have any question, pieuse contact Shirley Sryant at the above address of telephone (505) 761-4563.

Staceroly,

(Orig. Signed) - Sid Vegelpohl

Assistant District Manger Mineral Resources

unclosures

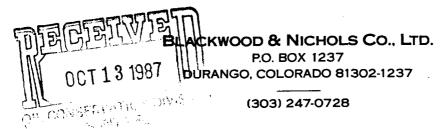
cc:

AMHOCD, Santa Fe w/o encl.

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

NM-016

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



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, Blackword & 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

William F. Ele

| | • |
|-----------|---|
| 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: | Ju 2 Mum 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





SLO REF NO. OG-476

Commissioner of Public Lands

.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



United States Department of the Interior

BUREAU OF LAND MANAGEMENT ALBUQUERQUE DISTRICT OFFICE



IN REPLY REFER TO:

SEP 2 2 1987

CIL CONSERVATION

A 35 Moptor N.E.

New Mexico 87107

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 Vagelpohl

For District Manager

Enclosure

cc:

✓NMOCD, Santa Fe Comm. of Pub. Lands, Santa Fe





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

Northeast Blanco Unit Re:

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 committment. 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

Loyla Vhent FLOYD O. PRANDO, Director

Oil and Gas Division

(503) 827-5744

WRH/FOP/pm encls.

cc: OCD-Santa Fe, New Mexico



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

BLACKWOOD & NICHOLS CO., LTD.

AUG 141911

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.

William 7. Clark

William F. Clark

Operations Manager

WFC:ew

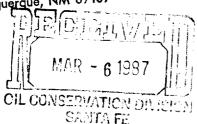
Attachment

| 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 Commission Oil Conservation Division. | er of Public Lands and |
| Approved: | | Date: |
| | Commissioner of Public Lands State of New Mexico P. O. Box 1148 Santa Fe, New Mexico 87501 | |
| Approved: | Subject to like approval by the Minerals Mathe Oil Conservation Division. | |
| Apploved. | State of New Mexico Energy and Minerals Department Oil Conservation Division P. O. Box 2088 State Land Office Building Santa Fe, New Mexico 87501 | Jace |
| | Subject to like approval by the Minerals Ma | anagement Service and |

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

Commissioner of Public Lands.

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



MAR 0 4 1987

NE Blanco Unit POD 3180 (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 Mortheast 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 Vogelpoid

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

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> | Number of Wells | Status & Remarks |
|------------------|-----------------|-----------------------------|
| 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 |
| | 2 | Dual with Dakota |
| | 152 | Total Wells |

Production by Formation:

| | Cumulative | thru 10-31-85: |
|------------------------------|-----------------|----------------|
| <u>Formation</u> | Gas | Condensate |
| Fruitland Pictured Cliffs | 1,215,623 MCF | 2,984 Bbls |
| Mesaverde | 297,462,490 MCF | 95,564 Bbls |
| Gallup | 40,272 MCF | 0 Bbls |
| Dakota | 5,815,377 MCF | 0 Bbls |
| 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. Blackword

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 Commissi and Oil Conservation Division. | oner of Public Lands |
| Approved: | | Date: |
| | Commissioner of Public Lands State of New Mexico P.O. Box 1148 Santa Fe, New Mexico 87501 | |
| Approved: | Subject to like approval by the Bureau of Oil Conservation Division. | f Land Management and Date: /-/2-87 |
| | 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

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.

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

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.

ROY E. JOHNSON,

Senior Petroleum Geologist

REJ/dr

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



OFFICE OF THE

Commissioner of Public Cands

Santa Fe

P.O. 80X 1148 SANTA FE, NEW MEXICO 87504-1148

November 10, 1986

Blackwood & Michels Co. Ltd. 4TTENT:ON: Mr. William & Clark

э э. веж 1207

Daranga. Colocado 31002

Re. Northeast Blanco Unit, 2.785 Revision of the Friitland-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 Cli fs Participating Area for the Northeast Blanco Unit Agreement San Juan Jounty, 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-Picuted Cliffs Participating Area as outlined in you letter of August 31, 1986.

The First Revison 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.

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





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, Director
Oil and Gas Division

(505) 827-5744

WRH/FOP/pm encls.

cc: OCD-Santa Fe, New Mexico







Commissioner of Public Lands

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

October 7. 1986

Durango, Colorado 81302-1237

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

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, Director
Oil and Gas Division

(505) 827-5744

JB/FOP/pm encls.

cc: OCD-Santa Fe, New Mexico







Commissioner of Public Lands

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

October 7, 1986

Blackwood & Nichols Co., Etd. 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 acceptence by the Bureau of Land Management.

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

Very truly yours,

JIM BACA COMMISSIONER OF PUBLIC LANDS

FLOYD O. PRANDO, Director Oil and Gas Division

(505) 827-5744

JB/FOP/pm encls.

cc:

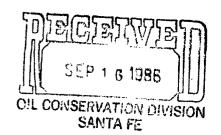
OCD-Santa Fe, New Mexico

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 W½, Section 1 and the NE½, 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,

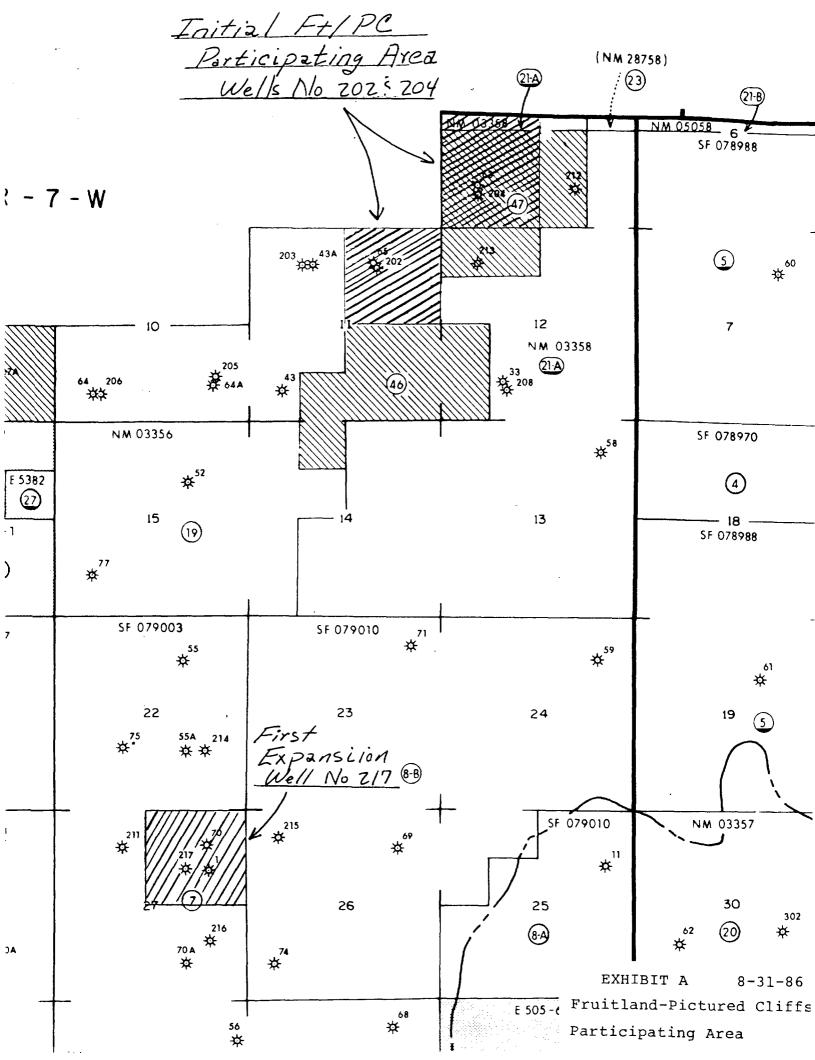
BLACKWOOD & NICHOLS CO., LTD.

illiam F. Clark

William F. Clark Operations Manager

WFC:ew

Attachments



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

| | 21-A | Tract |
|--|---|---|
| | T31N R7W Sec. 1:Lots 7 & 8 Sec. 11:NE½ | Description |
| | 185.68 | No. of Acres |
| | NM 03358 8/1/48 Blackwood & Nichols Co., Ltd., | Santa Fe Serial No., Tract Lease Date, Particip. Record Holder Decimal |
| | .5371442 | Tract Particip. Decimal |
| .0486042 .0050514 .0030568 .1028127 .5371442 | .3776191 | Tract W.I. Particip. Decimal |
| Westland Oil Development Corp. Thayer H. Laurie T.H. Laurie & D.N. Mills, Trustees Burk, Bakwin & Henry | RIGHTS IN FRUITLAND/PICTURED CLIFFS FORMATION Blackwood & Nichols Co., Ltd. | Working Interest Owner Under Option Agreement, Operating Agreement or Assignment |
| 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 | USA 12½% 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 | Percent Percert of of Royalty ORRI |

| | PATENTED LANDS 47 T31N R7W Sec. 1:SW% | Tract No. Description |
|--|---|---|
| | <u>IDS</u> 160 | No. of Acres |
| | Amoco Production Company, et al 6/15/53 | Record Owner of Lease and Expiration Date |
| | .4628558 | Tract Particip. Decimal |
| .0209410 .0021764 .0013170 .0442967 .4628558 | .2314279 .1626968 | Tract W.I. Particip. Decimal |
| Westland Oil Development Corp. Thayer H. Laurie T.H. Laurie & D.N. Mills, Trustees Burk, Bakwin & Henry | RIGHTS IN FRUITLAND/PICTURED CLIFFS FORMATION Amoco Production Company Blackwood & Nichols Co., Ltd. | Working Interest Owner Under Option Agreement, Operating Agreement or Assignment |
| 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 | USA 12½%* NONE 1/2 86.485606% of 25/64 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 | Page 2 of 3 Percent Percert of of of Royalty ORRI |

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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

| | | FEDERAL LANDS 21-A T31N R7W | Tract No. Description Acres |
|--|--|--|---|
| | | NM 03358 8/1/48 Blackwood & Nichols Co., Ltd., | Santa Fe Serial No., Tract Lease Date, Particip. Record Holder Decimal |
| | | .5371442 | Tract articip. Decimal |
| .0486042 .0050514 .0030568 .1028127 .5371442 | .0689333 | .3086858 | Tract W.I. Particip. Decimal |
| Westland Oil Development Corp. Thayer H. Laurie T.H. Laurie & D.N. Mills, Trustees Burk, Bakwin & Henry | Devon-Blanco, Ltd. + | RIGHTS IN FRUITLAND/PICTURED CLIFFS Blackwood & Nichols Co., Ltd. + | Working Interest Owner Under Option Agreement, Operating Agreement or Assignment |
| 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 | 18.254717% x 86.485606% of 25/32 of 185.68/345.68 + 18.254717% of 7/256 of 185.68/345.68 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 Agnes M. Morgan, Trustee of 1/2 of 1/8 of 8/8 of 7/256 of 185.68/345.68 | FORMATION ## STATION ## USA 12½% 5% ## STATION ## OF 185.68/345.68 ## 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 ## Agnes M. Morgan, Trustee ## Of 1/2 of 1/8 of 8/8 of 7/256 of 185.68/345.68 ## Agnes M. Morgan, Trustee ## Of 1/2 of 1/8 of 8/8 of 7/256 of 185.68/345.68 | Percent Percent of of Agreement, Royalty ORRI |

| | Tract |
|-----------------|---|
| PATENTED I ANDS | 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 |
| | Page 2 of 3 |
| | Percent P of Royalty |
| | Percent Percert of of Royalty ORRI |
| | |

| | | , | 1 7 |
|--|--|--|---|
| | | Sec. 1:SW% | PATENTED LANDS |
| | | 100 | • |
| • | .: | Production Company, et al 6/15/53 | |
| | | . 402000 | A620550 |
| .0209410 .0021764 .0013170 .0442967 .4628558 | .0296998 | .1329970 | 221/270 |
| Westland Oil Development Corp. Thayer H. Laurie T.H. Laurie & D.N. Mills, Trustees Burk, Bakwin & Henry | Devon-Blanco, Ltd. | Blackwood & Nichols Co., Ltd. | RIGHTS IN FRUITLAND/PICTURED CLIFFS FORMATION |
| 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 | 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 | 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: Aqnes 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 | |
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| TOTAL | PATENTED | FEDERAL |
|--------|-----------|-----------|
| 345.68 | 160.00 | 185.68 |
| 100.% | 46.28558% | 53.71442% |

EXHIBIT "B"

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

EFFECTIVE 1-1-85

| | | FEDERAL LANDS 21-A T31N R7W | Santa Fe Serial No., Tract Tract No. of Lease Date, Particip. No. Description Acres Record Holder Decimal |
|---|---|--|---|
| | | .5371442 | Tract Particip. Decimal |
| .0654866 | .0034467 | . 3086858 | Tract W.I. Particip. Decimal |
| 0GP (Delaware) Inc. + | Devon-Blanco, Ltd. | RIGHTS IN FRUITLAND/PICTURED CLIFFS FORMATION Blackwood & Nichols Co., Ltd. 81.745283 + 81.745283 Subject Agnes M. of 1/2 Agnes M. of 1/2 | Working Interest Owner Under Option Agreement, Operating Agreement or Assignment |
| 95% x 18.254717% x 86.485606% of 25/32 of 185.68/345. 95% x 18.254717% x 86.485606% of 7/256 of 185.68/345. Subject to Excess ORRI to: Agnes M. Morgan 95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/256 of 185.68/345. Agnes M. Morgan, Trustee 95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/256 of 185.68/345. | 5% x 18.254717% x 86.485606% of 25/32 of 185.68/345. + 5% x 18.254717% of 7/256 of 185.68/345. Subject to Excess ORRI to: 5% x 18.254717% Agnes M. Morgan of 1/2 of 1/8 of 8/8 of 7/256 of 185.68/345. Agnes M. Morgan, Trustee 5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/256 of 185.68/345. | CLIFFS FORMATION 81.745283% x 86.485606% of 25/32 of 185.68/345.68 + 81.745283% x 86.485606% of 25/32 of 185.68/345.68 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 Agnes M. Morgan, Trustee of 1/2 of 1/8 of 8/8 of 7/256 of 185.68/345.68 | Option Agreement, |
| 32 of 185.68/345.68 56 of 185.68/345.68 95% x 18.254717% 56 of 185.68/345.68 95% x 18.254717% 56 of 185.68/345.68 | 32 of 185.68/345.68 56 of 185.68/345.68 5% x 18.254717% 56 of 185.68/345.68 5% x 18.254717% 56 of 185.68/345.68 | USA 12½% 5% 32 of 185.68/345.68 56 of 185.68/345.68 81.745283% 56 of 185.68/345.68 81.745283% 56 of 185.68/345.68 | Percent Percert of of Royalty ORRI |

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

| | ma i |
|--|-----------------------------------|
| .0486042 .0050514 .0030568 .1028127 .5371442 | Decimal |
| Westland Oil Development Corp. Thayer H. Laurie T.H. Laurie & D.N. Mills, Trustees Burk, Bakwin & Henry | Operating Agreement or Assignment |

21-A, Cont.

Percent Percert of of Royalty ORRI

Tract No.

Description

No. of Acres

Record
Owner of
Lease and Tract
Expiration Particip.
Date
Decimal

Tract
W.I.
Particip.
Decimal

Working Interest Owner Under Option Agreement, Operating Agreement or Assignment

| | | 47 |
|--|--|--|
| | | PATENTED LANDS T31N R7W Sec. 1:SW% |
| | | <u>IDS</u> 160 |
| ·· | | Amoco Production Company, et al 6/15/53 |
| | | .4628558 |
| .0282148 | .0014850 | .2314279 |
| OGP (Delaware) Inc. | Devon-Blanco, Ltd. | RIGHTS IN FRUITLAND/PICTURED CLIFFS FORMATION Amoco Production Company Blackwood & Nichols Co., Ltd. + 81.745283 Subject Agnes M. of 1/2 Agnes M. of 1/2 Of 1/2 |
| 95% % | + 55 55 86 86 87 87 | CLIFFS |
| x 18.254717% x 86.485606% of 25/64 of 160/345.68 x 18.254717% of 7/512 of 160/345.68 x 18.254717% of 7/512 of 160/345.68 Subject to Excess ORRI to: 95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512 of 160/345.68 Agnes M. Morgan, Trustee 95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512 of 160/345.68 | <pre>x 18.254717% x 86.485606% of 25/64 of 160/345.68 x 18.254717%</pre> | S FORMATION 1/2 81.745283% x 86.485606% of 25/64 of 160/345.68 + 81.745283% 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% of 1/2 of 1/8 of 8/8 of 7/512 of 160/345.68 |
| | 0GP (Delaware) Inc. 95% x 1 + 95% x 1 | Devon-Blanco, Ltd. + 5% x 1 + 5% x 1 |

RECAPITULATION

| TOTAL | PATENTED | FEDERAL |
|--------|-----------|-----------|
| 345.68 | 160.00 | 185.68 |
| 100.% | 46.28558% | 53.71442% |

EXHIBIT "B"

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

| | | • | |
|--|--|--|---|
| 2-A | 1-B | 1-A | Tract |
| T30N R8W Sec. 24:W ¹ / ₂ | T30N R8W Sec. 1:E½ Sec. 12:E½ | FEDERAL LANDS T30N R8W Sec. 1:W2 Sec. 12:NW4, E½ SW4 NW4 NW4 | Description |
| 320.00 | 516.32 | 596.07 | No. of Acres |
| 078615 .00 3/1/48 Ben R. Howell Paul B. Horton | .078581 .C 10/1/49 P.M. McCulley | 078581-A 10/1/49 Ben R. Howell | Santa Fe Serial No., Lease Date, & Record Holder |
| .0098437 ell rton |)189590 | 0183361 | Tract Particip. Decimal |
| .0098437 | .0189590 | .0183361 | Tract W.I. Particip. Decimal |
| RIGHTS IN MESAVERDE FORMATION ONLY El Paso Natural Gas Company - ALL ALL RIGHTS OTHER THAN MESAVERDE FORMATION El Paso Natural Gas Company - ALL | RIGHTS IN MESAVERDE FORMATION ONLY Tenneco and Continental - ALL ALL RIGHTS OTHER THAN MESAVERDE FORMATION Tenneco and Continental - ALL | RIGHTS IN MESAVERDE FORMATION ONLY El Paso Natural Gas Company-ALL ALL RIGHTS OTHER THAN MESAVERDE FORMATION El Paso Natural Gas Company-ALL | Working Interest Owner Under Option Agreement, Operating Agreement or Assignment |
| USA 12½% | USA 12½% | USA 12½% | Percent of Royalty |
| 1%* | 18½ <i>%</i> | 1% * | Percert of ORRI |

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USA 12½% 18½%*

| | ω | 1 | 2-B | Tract |
|---|--|---|---|---|
| | T30N R8W Sec. 13:5½ SE½ | | FEDERAL LANDS T30N R8W Sec. 24:E½ | Description |
| | 80.00 | | 320.00 | No. of Acres |
| | NM 014226 1/1/54 Phillips Drilling Corporation | | 078615-A .0 3/1/48 P.M. McCulley Paul B. Horton | Santa Fe Serial No., Lease Date, & Record Holder |
| , | .0024609 | | .0098437 ey ton | Tract Particip. Decimal |
| .3906250 .2343750 .2232140 .0446431 .0357143 .0357143 .0357143 | .0009613 .0005767 .0005493 .0001099 .0000879 .0000879 .0000879 | | .0098437 | Tract W.I. Particip. Decimal |
| ALL RIGHTS OTHER THAN MESAVERDE FOR H. H. Phillips Estate Wintergreen Energy Corporation Castle, Inc. Winnie A. Phillips, Estate H. H. Phillips, Jr. Jane Phillips Ladouceur Susanna Phillips Kelly | RIGHTS IN MESAVERDE FORMATION ONLY H. H. Phillips Estate Wintergreen Energy Corporation Castle, Inc. Winnie A. Phillips, Estate H. H. Phillips, Jr. Jane Phillips Ladouceur Susanna Phillips Kelly | | RIGHTS IN MESAVERDE FORMATION ONLY Tenneco and Continental - ALL ALL RIGHTS OTHER THAN MESAVERDE FO | Working Interest Owner Under Option Agreement, Operating Agreement or Assignment |
| FORMATION 875/2240 525/2240 500/2240 100/2240 80/2240 80/2240 80/2240 2240/2240 | 875/2240 525/2240 500/2240 100/2240 80/2240 80/2240 80/2240 2240/2240 | | LY FORMATION | n Agreement, |
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| ORRI | Royalty ORRI | Particip. Working Interest Owner Under Uption Agreement, | | Particip. | & Record |
| Percert | Percent | | E.I. | Tract | Lease Date, |
| | Page 3 of 89 | | Tract | | Santa Fe |

Tract No. Description

| | 4 |
|---|--|
| Sec. 18:N½ | T31N R6W |
| Amoco Production Co., et al | 320.00 078970 .00 2/1/48 |
| | .0098437 |
| .0000303 .0005767 .0004454 .0000463 .0000280 .0010767 .0098437 | .0049218 |
| Devon-B OGP (De Westlan Thayer T.H. La El Paso SUBJE \$1,100 N Payab burde 33 41 All a Title 1954. | RIGHTS IN MESAVERDE FORMATION Amoco Production Company Blackwood & Nichols Co., Ltd. |
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|---|--------------|--|-----------------|--------------|
| | Description | | | |
| • | Acres | No. of | | |
| | Holder | & Record | Lease Date, | Serial No., |
| | Decimal | • | Tract | |
| | Decimal | Particip. | | Tract |
| | Operatin | Working Interest Owner Under Option Agreement, | | • |
| | Royal | of | Perce | raye + or os |
| | Royalty ORRI | of | Percent Percert | |

Santa Fe Serial No.,

FEDERAL, LANDS

4, Cont.

| | .2873398 | .5000000 | |
|--------------|----------------------------------|--------------------------|---|
| | Blackwood & Nichols Co., Ltd. | Amoco Production Company | ALL RIGHTS OTHER THAN MESAVERDE FORMATION |
| + 81.745283% | 81.745283% x 86.485606% of 25/64 | | FORMATION |
| of 7/512 | 06% of 25/64 | 1/2 | |

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

.0609582 OGP (Delaware) Inc. 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 Agnes M. Morgan 5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512

Westland Oil Development Corp.
Thayer H. Laurie
T.H. Laurie & D.N. Mills, Trustees
Burk, Bakwin & Henry Agnes M. Morgan $95\% \times 18.254717\%$ of 1/2 of 1/8 of 8/8 of 7/512Subject to Excess ORRI to: 95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512 Agnes M. Morgan, Trustee

.0452431 .002845

| Revised | | σı | Tract |
|--|----------------------|---|--|
| sed as of 5/19/86 | | T31N R6W Sec. 6:S½ Sec. 7:A11 Sec. 18:S½ Sec. 19:A11 Sec. 20:A11 | Descript |
| 6 | | 2560.00 | No. of Acres |
| · | · | 078988 7/1/48 Amoco Production Co., et al | Serial No., Lease Date, & Record Holder |
| | | .0787499 | Tract Particip. Decimal |
| .0032083 | .5000000 .2873398 | .0393749 .0217479 .0002428 .0046137 .0035629 .0003703 .0002241 .0086133 .0787499 | Tract W.I. Particip. Decimal |
| Agnes M. Morgan 81.745283% of 1/2 of 1/8 of 8/8 of 81.745283% of 1/2 of 1/8 of 8/8 of Agnes M. Morgan, Trustee 81.745283% of 1/2 of 1/8 of 8/8 of 8254717% x 86.485606% of 25/64 636254717% of 1/2 of 1/8 of 8/8 of 837 x 18.254717% of 1/2 of 1/8 of 8/8 of 838 x 18.254717% of 1/2 of 1/8 of 8/8 of | | Amoco Production Company Amoco Production Company Blackwood & Nichols Co., Ltd. Devon-Blanco, Ltd. OGP (Delaware) Inc. Westland Oil Development Corp. Thayer 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. 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. | Working Interest Owner Under Option Agreement, Operating Agreement or Assignment Royalty |
| 7/512 7/512 7/512 7/512 | | 125% 25%* | Percert of ORRI |
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Tract Description No. of Acres Particip.
Decimal Working Interest Owner Under Option Agreement, Operating Agreement or Assignment Percent Percent of of Royalty ORRI

FEDERAL LANDS

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| | | | | | | | | | |
| 1.0000000 | .0028454 | .0452431 | | | | | | | .0609582 |
| Burk, Bakwin & Henry | T.H. Laurie & D.N. Mills, Trustees | Thaver H laurie | | | | | , i | + 95% | OGP (Delaware) Inc. 95% |
| 49/512 | .728417% of 25/64 | 1 203736% of 25/64 | 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 | Agnes M. Morgan | Subject to Excess ORRI to: | + 95% x 18.254717% of 7/512 | 95% x 18.254717% x 86.485606% of 25/64 |

| SE½ Sec.10:W½ | Siz NEi, | Sec. 3:Lots 5,6, | T30N R7W |
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| | | | 638.75 |
| | C.C. Peters | 11/1/49 | 079001 |

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| C.C. Peters | 11/1/49 | 079001 |
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FORMATION & ALL OIL RIGHTS

USA 12½% 20%*

Revised as of 5/19/86

| Acres | No. of | | | |
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| Holder | & Record | Lease Date, | Serial No., | Santa Fe |
| Decimal | Ď. | Tract | | |
| Decimal | Particip. | W. I. | Tract | |
| Operating Agreement or Assignmen | Working Interest Owner Under Option Agree | | • | |
| 7 | ion Agree | | | |

| | | 6-B | Tract No. |
|--|--|---|--|
| | Swy Swy Sec. 10:E½ | FEDERAL LANDS T30N R7W | Description |
| | | 639.13 | No. of Acres |
| | Ben R. Howell | 079001-A | & Record Holder |
| | e11 | .0196607 | Particip. Decimal |
| .8750000 .1250000 1.0000000 | 1.0000000 | .0196607 | Particip Decimal |
| RIGHTS BELOW THE BASE OF THE MESAVERDE FORMATION 87½% Reserve Oil Company 12½% | RIGHTS ABOVE THE MESAVERDE FORMATION El Paso Natural Gas Company-ALL | RIGHTS IN THE MESAVERDE FORMATION ONLY ET Paso Natural Gas Company-ALL | . Working Interest Owner Under Option Agreement, Operating Agreement or Assignment |

*DETAIL ATTACHED

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| | Sec. 35:ALL | T31N R7W Sec. 22:ALL Sec. 27:ALL Sec. 34:ALL | Descrip. |
| | | 2560.00 | No. of Acres |
| | Co., et al | 079003 7/1/48 Amoco Production | Santa Fe Serial No., Lease Date, & Record Holder |
| | | .0787499 | Tract Particip. Decimal |
| .2873398 | .0035629 .0003703 .0002241 .0086133 .0787499 | .0393749 .0217479 .0002428 .00046137 | Tract W.I. Particip. Decimal |
| Ltd. 81.745283% x 86.485606% of 2 + 81.745283% cf 1/2 of 7 Subject to Excess ORRI to: Agnes M. Morgan 81.745283% of 1/2 of Agnes M. Morgan, Trustee 81.745283% of 1/2 of 5% x 18.254717% x 86.485606% of 2 + 5% x 18.254717% cf 1/2 of 5% x 18.254717% of 1/2 of Agnes M. Morgan 5% x 18.254717% of 1/2 of 5% x 18.254717% of 1/2 of 5% x 18.254717% of 1/2 of | land Oil Development Corp. 11.582241% of 25, er H. Laurie 1.203736% of 25, laurie & D.N. Mills, Trustees 1.203736% of 25, laurie & D.N. Mills, laurie | RIGHTS IN MESAVERDE FORMATION ONLY Amoco Production Company Blackwood & Nichols Co., Ltd. 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 | Page 8 of 89 Percent Percert Working Interest Owner Under Option Agreement, Operating Agreement or Assignment Royalty ORRI |

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| Royalty | of | Percent | 89 | |
| ORRI | of. | Percert | | |

| Tract No. Description | No. of Acres | No. of & Record Acres Holder | Particip. Decimal | Particip. Decimal | Particip. Particip. Working Interest Owner Under Option Agreement, Decimal Operating Agreement or Assignment | Option Agreement, unment | of Royalty |
|--------------------------|-----------------|---------------------------------|----------------------|----------------------|--|---|---------------|
| FEDERAL, LANDS | | | | | | | |
| 7, 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: | |

Santa Fe Serial No., Lease Date,

Tract W.I.

| 1.0000000 | .0957031 | .0028454 | .0047021 | .0452431 | | | | | | |
|-----------|----------------------|------------------------------------|--------------------|--------------------------------|--|--------------------------|--|-----------------|----------------------------|-----------------------------|
| | Burk, Bakwin & Henry | T.H. Laurie & D.N. Mills, Trustees | Thayer H. Laurie | Westland Oil Development Corp. | | | | | <i>i</i> | + 95% x |
| | 49/512 | .728417% of 25/64 | 1.203736% of 25/64 | . 11.582241% of 25/64 | 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 | Agnes M. Morgan | Subject to Excess ORRI to: | + 95% x 18.254717% of 7/512 |

| | | | | S½ Production | - The | | 520.00 | |
|----------------------------------|-------------------|--------------------|---------------------|-------------------------------|-------------------------------|-------------------------------|----------|------------------------------------|
| .0017496 | .0000455 | .0000752 | .0007237 | .0009372 | .0000493 | .0044176 | | |
| El Paso Natural Gas Company 7/64 | | | | | | | | RIGHTS IN MESAVERDE FORMATION ONLY |
| 7/64 | .728417% of 25/64 | 1.203736% of 25/64 | 11.582241% of 25/64 | 254717% x 86.485606% of 25/64 | 254717% x 86.485606% of 25/64 | 745283% x 86.485606% of 25/64 | 1/2 | |
| • | | | | | | | USA 12½% | |

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A.M. Lloyd
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 0il and Gas Lease" executed by said parties as of January 1,

| | | Santa Fe | | Trac+ | | Page 10 of 89 | |
|-------------|--------|-------------|----------|-----------|--|-----------------|---------|
| | | Lease Date, | Tract | X.I. | | Percent Percert | Percert |
| ÷ | No. of | & Record | Particip | Particip. | Working Interest Owner Under Option Agreement, | of | of |
| Description | Acres | Holder | Decimal | Decimal | Decimal Operating Agreement or Assignment | Royalty | ORRI |
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Tract

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

Description

No. of Acres

Santa Fe Serial No., Lease Date, & Record F Holder

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Working Interest Owner Under Option Agreement, Operating Agreement or Assignment

| R P C C | 8-B |
|---|--|
| Revised as of 5/19/86 | FEDERAL LANDS T31N R7W 2040.00 Sec. 23:ALL Sec. 25:N½ NW%, SW% NW% Sec. 26:ALL |
| | 079010 7/1/48 Amoco Production Co., et al |
| , () | .0627538 |
| .5000000 | .0313769 .0173303 .0001935 .0036766 .0028392 .0002951 .0001785 .0068637 |
| ALL RIGHTS OTHER THAN MESAVERDE FORMATION Amnoco Production Company Blackwood & Nichols Co., Ltd. **81.745283% | 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 & 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. Payable from gas produced to this interest (net of royalties and other burdens) from Mesaverde formation only out of: 3½¢ 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. |

| Working Interest Owner Under Option Agreement, Operating Agreement or Assignment | |
|---|---------------|
| Percent of Royalty | Page 12 of 89 |
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Description

No. of Acres

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Santa Fe Serial No., Lease Date,

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| E% NE% Sec. 8:Lots 1, E% NW% | 7: | T30N R7W Sec. 5:ALL | | 8-B, Cont. |
| 1,2,3, | , | 1779.91 | | |
| ; | Production Co., et al | 079042 5/1/51 Amoco | | |
| | . 1 | .0547530 | | |
| | .0032079 .0024772 .0002574 .0001558 .0059886 .0547530 | .0273765 | .0452431 .0047021 .0028454 .0957031 | .0609582 |
| Payable from gas produced to this interest (ne burdens) from Mesaverde formation only out of: 3½¢ per Mcf for first 10 years 4½¢ per Mcf thereafter and subject to susp All as is more specifically provided in "Assig Title to Oil and Gas Lease" executed by said p 1954. | OGP (Delaware) Inc. 95% x 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 \$1,100,000 payable to: Nelson & Edward Morris, Ltd. | RIGHTS IN MESAVERDE FORMATION ONLY Amoco Production Company Blackwood & Nichols Co., Ltd. 5% Devon-Blanco, Ltd. | Westland Oil Development Corp. Thayer H. Laurie T.H. Laurie & D.N. Mills, Trustees Burk, Bakwin & Henry | OGP (Delaware) Inc. |
| uced to thing de formation year irst 10 year and since the control of the control | 95% x t Corp. 95% x t Corp. t rustees t from these t from these | ONLY | tees | + 95% |
| s interest (net n only out of: rs ubject to suspe ided in "Assign uted by said pa | | 81.745283% × 18.254717% × | • | × 18.254717% × 18.254717% |
| yable from gas produced to this interest (net of royalties and other rdens) from Mesaverde formation only out of: 3½¢ per Mcf for first 10 years 4½¢ per Mcf thereafter and subject to suspension and conversion. 1 as is more specifically provided in "Assignment Affecting Record tle to 0il and Gas Lease" executed by said parties as of January 1, 54. | of of of ar | 1/2 86.485606% of 25/64 86.485606% of 25/64 | Subject to Excess ORRI to: Agnes M. Morgan 95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/ Agnes M. Morgan, Trustee 95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/ 11.582241% of 25/64 1.203736% of 25/64 .728417% of 25/64 49/512 | 18.254717% × 86.485606% of 25/64 18.254717% of 7/512 |
| י ה מ | | USA 12½% | 8/8 of 7/ 8/8 of 7/ | |
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| Working Interest Owner Under Option Agreement, Operating Agreement or Assignment |
| Page 1: |
| Page 13 of 89 Percent Percen of of of Royalty ORRI |
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Tract No. Description

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FEDERAL . LANDS

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| Westland Oil Development Corp. Thayer H. Laurie T.H. Laurie & D.N. Mills, Trustees Burk, Bakwin & Henry | | OGP (Delaware) Inc. 95% x + 95% x | Devon-Blanco, Ltd. + 5% × | | ALL RIGHTS OTHER THAN MESAVERDE FORMAT Amoco Production Company Blackwood & Nichols Co., Ltd. 81 + 81 |
| 11.582241% of 25/64 1.203736% of 25/64 .728417% of 25/64 49/512 | 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 | Agnes M. Morgan, Trustee 5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512 18.254717% x 86.485606% of 25/64 18.254717% of 7/512 | 18.254/17% x 86.485606% of 25/64 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 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 | MATION 1/2 81.745283% x 86.485606% of 25/64 81.745283% of 7/512 Subject to Excess ORRI to: |

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| | T31N R7W Sec. 28:ALL Sec. 31:Lots 6, 9,10,13 Sec. 33:ALL T30N R7W Sec. 4:Lots 5, 6,7,8 St. N2, SEL Sec. 9:N2, W2 SW2 | Description |
| · | 2314.56 | No. of Acres |
| | 079043 4/1/51 Amoco Production Co., et al | Santa Fe Serial No., Lease Date, & Record Holder |
| | .0711998 | Tract Particip. Decimal |
| 1.0000000 | .0355999 .0196628 .0002195 .0041714 .0032213 .00033348 .0002026 .0077875 .0711998 | Tract W.I. Particip. Decimal |
| DAKOTA RIGHTS AS TO Sec. 28: ALL Sec. 33: 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 25/6 | RIGHTS IN MESAVERDE FORMATION ONLY Amoco Production Company Blackwood & Nichols Co., Ltd. Devon-Blanco, 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. 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: 3½¢ 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. | Page 14 of Working Interest Owner Under Option Agreement, Operating Agreement or Assignment |
| of (1/8 of (1/ | USA 12½% f her d | 89 Percent of Royalty |
| 88888888888888888888888888888888888888 | 21 2/2% * | Percert of ORRI |

Percent Percert of of Royalty ORRI

Tract Tract W.I. Particip. Particip. Working Interest Owner Under Option Agreement, Decimal Decimal Operating Agreement or Assignment

FEDERAL LANDS

Tract

Description

No. of Acres

Lease Date, & Record

Santa Fe Serial No.,

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sec. 31:
T30N R7W
Westland Oil Development Corp.
Thayer H. Laurie
T.H. Laurie & D.N. Mills, Trustees
Burk, Bakwin & Henry
                                                                                                                                                                                                       OGP (Delaware) Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sec.
                                                                                                                                                                                                                                                                                                                                                    Devon-Blanco, Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Blackwood & Nichols Co., Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Amoco Production Company
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sec.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ALL RIGHTS OTHER THAN MESAVERDE FORMATION AS TO T31N R7W
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        N125
W12 SW14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Lots 5,6,7,8,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Lots 6,9,10,13
                                                                                                                                                                                      + 95% x 18.254717%
                                                                                                                                                                                                                                                                                                                              5% x 18.254717% x 86.485606% of 25/64 + 5% x 18.254717% of 7/512
                                                                                                                                                              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:
                                                                                                                                                                                                                                                                                                                                                                                                                                       1/2
81.745283% x 86.485606% of 25/64
81.745283% of 7/512
Subject to Excess ORRI to:
Agnes M. Morror
                                                                                                                                                                                                                                                Agnes M. Morgan, Trustee
                                                                                                                                                                                                                                                                                                                                                                                            Agnes M. Morgan, Trustee
                                                                                                                                                                                                                                                                                                                                                                                                                                   Agnes M. Morgan
                                                                                                                         95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512
                                                                                                                                             Agnes M.
                                                                                                                                                                                                                                                                                         Agnes M. Morgan
                                                                                                                                                                                                                                                                                                           Subject to Excess ORRI to:
                                                                                                    Agnes M
                                                                                                                                                                                                                                                                  5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512
                                                                                                                                                                                                                                                                                                                                                                                                                 18.254717% of 1/2 of 1/8 of 8/8 of 7/512
                                                                                                                                                                                                                                                                                                                                                                        18.254717% of 1/2 of 1/8 of 8/8 of 7/512
                                                                                                     Morgan, Trustee
                   11.582241% of 25/64
1.203736% of 25/64
.728417% of 25/64
                                                                                 17% of 1/2 of 1/8 of 8/8 of 7/512
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| of |
|--|
| Santa Fe Serial No., Lease Date, & Record Holder |
| Tract Particip. Decimal |

Particip. Tract W.I.

Description Decimal Operating Agreement or Assignment

Working Interest Owner Under Option Agreement, Royalty Percent Percent

Page 16 of 89

| | | 1 | <u>.</u> |
|---|---|---|---------------|
| | E½ W½, W½ SW½ Sec. 21:ALL Sec. 29:ALL Sec. 30:Lots 7, 8,11,12, W½ NE¼, SE¼ NE¼ | Sec. 20:E½, | FEDERAL LANDS |
| | 74 | 71.0007 | 3056 19 |
| | Production Co., et al | 4/1/51 Amoco | O700AF |
| | | .003249/ | 0632/07 |
| 1.0000000 | .003/056 .0028616 .0002974 .0001800 .0069179 .0632497 | .0174673 | 0216240 |
| DAKOTA RIGHTS AS TO Sec. 20: E½, E½ W½, W½ SW½ (560 acres) Sec. 29: ALL Amoco Production Company - ALL SUBJECT TO 1/8 of 8/8 overriding royalty interest which shall be re- | Westland Oil Development Corp. Thayer H. Laurie T.H. Laurie & D.N. Mills, Trustees T.28417% of 25/64 T.H. Laurie & D.N. Mills, Trustees T.28417% of 25/64 T.H. Laurie & D.N. Mills, Trustees T.28417% of 25/64 T.H. Laurie & D.N. Mills, Trustees T.28417% of 25/64 T.H. Laurie & D.N. Mills, Trustees T/64 SUBJECT TO gas payment from these and other lands in total amount of \$1,100,000 payable to: Nelson & Edward Morris, Ltd. T/8 A.M. Lloyd 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 Title to Oil and Gas Lease" executed by said parties as of January 1, 1954. | 81.745283% x 86.485606% of 25/64 x 18.254717% x 86.485606% of 25/64 | ATION ONLY |
| • | | | 121.9 |
| | | L'2/0 | 21.0 |

duced by all other overriding royalties, reserved unto:

Blackwood & Nichols Co,Ltd. 81.745283% x 86.485606% of 25/64 of 25/64 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 06% of 25/64 of ()
41% of 25/64 of ()
36% of 25/64 of ()
17% of 25/64 of ()
49/512 of ()
½ of 7/512 of ()
½ of 7/512 of ()

Thayer H. Laurie T.H.Launie & D.N.Mills, Trustees Burk, Bakwin & Henry Amoco Production Company (Converted to W.I.) Agnes M. Morgan, Trustee Agnes M. Morgan

Revised as of 5/19/86

(1/8 of 8/8 - 2½%)

| Holder | a | Lease Date, | Serial No., | Santa Fe |
|-----------------------------------|--|-------------|-------------|----------|
| Decimal | Particip. | Tract | | |
| Decimal | . Particip. | X.I. | Tract | |
| Operating Agreement or Assignment | Working Interest Owner Under Option Agreement, | | • | |

Tract No. Description

> No. of Acres

11, Cont.

| .0452431 .0047021 .0028454 .0957031 1.0000000 | | .0609582 | .0032083 | .5000000 .2873398 |
|---|---------|---|---|--|
| Westland Oil Development Corp. Thayer H. Laurie T.H. Laurie & D.N. Mills, Trustees Burk, Bakwin & Henry | + 95% × | 955 | + 5% x | ALL RIGHTS OTHER THAN MESAVERDE FORMATION AS TO T31N R7W Sec. 21: ALL Sec. 30: Lots 7,8,11,12, Why NE%, SE% NE%, Amoco Production Company Blackwood & Nichols Co., Ltd. 81.745283% |
| 11.582241% of 25/64 1.203736% of 25/64 .728417% of 25/64 49/512 | | Subje Agnes 5% x Agnes 18.254 | 81./45283% Subject to Excess OF Subject to Excess OF Agnes M. Morgan 81.745283% of Agnes M. Morgan, Tru 81.745283% of 18.254717% x 86.48560 | MATION AS TO 1/2 81.745283% × 86.485606% of 25/64 |

Sec. 29:N½

| No. of Acres |
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| Serial No., Serial No., Lease Date, & Record Holder |
| Tract Particip. Decimal |
| Tract W.I. Particip. V |
| Working Interest Owner Under Option Agreement, Operating Agreement or Assignment |
| Page 18 of 89 Percent Percent of Of ORRI |
| Percert of ORRI |

Tract No. Description

| | · | 13 | | 12 |
|---|---|--|---|---|
| Sec. 20: NE%, E½ NW%, S½ Sec. 21: ALL Sec. 22: W½ NW%, SW% | Sec. 17:N% NE%, SE% NE%, E% SE% Sec. 19:Lots 10,11, Sec. 5% SE% | T30N R7W Sec. 9:SE%, E% SW% | Sec. 19:Lots 12,13 E½ SW½ | FEDERAL .LANDS |
| | 11, | 2236.44 | 13 | 103.60 |
| | | 079060 9/1/48 Amoco Production | Northwest Pipeline Corporation | 079053 10/1/49 |
| , | | .0687967 | | .0031869 |
| | .0003235 .0001957 .0075246 .0687967 | .0343984 .0189992 .0002121 .0040306 | 1.0000000 | .0031869 |
| 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 0il and Gas Lease" executed by said parties as of January 1, 1954. | 11.30241% 1.203736% 1.203736% .728417% these and other lands in total Ltd. 7/8 | RIGHTS IN MESAVERDE FORMATION ONLY Amoco Production Company Blackwood & Nichols Co., Ltd. Devon-Blanco, Ltd. Devon-Blanco, Ltd. OGP (Delaware) Inc. 95% x 18.254717% x 86.485606% of 25/64 | RIGHTS ABOVE MESAVERDE FORMATION Northwest Pipeline Corporation - ALL RIGHTS BELOW THE BASE OF THE MESAVERDE FORMATION Phillips Petroleum Corporation - ALL | RIGHTS IN MESAVERDE FORMATION ONLY Northwest Pipeline Corporation - ALL |
| her 1 | - T) | USA 12½% | | USA 12½% |
| | | 21.84 | | 5% * |

| Serial No., Tract Serial No., Tract Lease Date, Tract & Record Particip. Particip. Working Interest Owner Under Option Agreement, Holder Decimal Decimal Operating Agreement or Assignment | | No. of Acres |
|--|---|---|
| Tract W.I. Tract W.I. Page 19 of 8 Particip. Particip. Working Interest Owner Under Option Agreement, Decimal Decimal Operating Agreement or Assignment | | Serial No., Serial No., Lease Date, & Record Holder |
| Tract W.I. Page 19 of 8 W.I. Particip. Working Interest Owner Under Option Agreement, Decimal Operating Agreement or Assignment | : | Tract Particip. Decimal |
| Page 19 of 8 Working Interest Owner Under Option Agreement, Operating Agreement or Assignment | , | Tract W.I. Particip. Decimal |
| Page 19 of 89 Percent Percert of of of Royalty ORRI | = | Working Interest Owner Under Operating Agreement or Assign |
| Percent of ORRI | | Page 19 of 89 Percent of Royalty |
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| .0452431 .0047021 .0028454 .0957031 1.0000000 | | .0609582 | .0032083 | | .5000000 .2873398 |
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| Westland Oil Development Corp. Thayer H. Laurie T.H. Laurie & D.N. Mills, Trustees Burk, Bakwin & Henry | + 95% x | OGP (Delaware) Inc. 95% x | Devon-Blanco, Ltd. 5% x + 5% x | | ALL RIGHTS OTHER THAN MESAVERDE FORMATION Amoco Production Company Blackwood & Nichols Co., Ltd. 81.74 |
| 11.582241% of 25/64 1.203736% of 25/64 .728417% of 25/64 49/512 | 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 | Agnes M. Morgan, Trustee 5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512 18.254717% x 86.485606% of 25/64 | 18.254717% x 86.485606% of 25/64 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 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 | MATION 1/2 81.745283% x 86.485606% of 25/64 81.745283% of 7/512 |

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| Percent | 89 |
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Santa Fe Serial No., Lease Date,

| | 14 | Tract |
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| | FEDERAL LANDS T30N R7W Sec. 18:Lots 5, 6,7,8, 9,10,11,12,13,11 E½ W½ | Description |
| | 371.07 | No. of Acres |
| | 079073 4/1/51 Amoco Production Co., et al | Serial No., Lease Date, & Record Holder |
| | .0114147 | Tract Particip. Decimal |
| .5000000 | .0057073 .0031523 .0000352 .0006688 .0005164 .0000537 .0012485 .0114147 | Tract W.I. Particip. Decimal |
| ALL RIGHTS OTHER THAN MESAVERDE FORMATION Amoco Production Company 1/2 | RIGHTS IN MESAVERDE FORMATION ONLY Amoco Production Company 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: 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, 1/2 USA 12½% 2½ USA 12 | Page 20 of 89 Percent |
| | 2128* | Percent of ORRI |

| | .0032083 De | - | . 5000000 An |
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| + 5% × | | Ltd. | Amoco Production Company |
| + 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 | + 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 | 81.745283% x 86.485606% of 25/64 | 1/2 |

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| **NOT COMMITTED | **Sec. 22:SW% SW% | *Sec. 17:Lots 6, 7,8 *Sec. 20:Lots 1,2 *COMMITTED | T30N R7W | Cont. | t Description |
| | 40.00 | , , | 133.12 | | No. of Acres |
| | NM 013706-A 5/1/51 T.H. McElvain | Northwest Pipeline Corporation | NM 013706-A .0040950 5/1/51 | | Santa Fe Serial No., Lease Date, & Record Holder |
| | in in | | .0040950 | | Tract Particip. Decimal |
| | 1.0000000 | 1.0000000 | .0040950 | .0609582 .0452431 .0047021 .0028454 .0957031 | Tract W.I. Particip. Decimal |
| | T.H. McElvain - ALL | RIGHTS ABOVE MESAVERDE FORMATION, SECS. 17 & 20 Northwest Pipeline Corporation - ALL RIGHTS BELOW THE BASE OF MESAVERDE FORMATION, SECS. 17 & 20 T.H. McElvain Oil & Gas - ALL | RIGHTS IN MESAVERDE FORMATION ONLY, SECS. 17 & 20 Northwest Pipeline Corporation - ALL | OGP (Delaware) Inc. + 95% x 18.254717% x 86.485606% of 2 + 95% x 18.254717% x 86.485606% of 2 of 3 | Page Working Interest Owner Under Option Agreement, Operating Agreement or Assignment |
| | USA 12½% | | USA 12½% | 85606% of 25/64 of 7/512 s ORRI to: of 1/2 of 1/8 of 8/8 of 7/512 Trustee of 1/2 of 1/8 of 8/8 of 7/512 82241% of 25/64 03736% of 25/64 28417% of 25/64 49/512 | Page 21 of 89 Percent P of Royalty |
| | None | | None | 12 | Percert of ORRI |

| Se Revised | 16-A | Tract |
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| as of | FEDERAL LANDS T31N R7W Sec. 19:Lots 5, 6,9,10, E½ W½ Sec. 31:Lots 5, 7,8,11, 12,14, E½ W½ T31N R8W Sec. 25:N½, Sw½ T30N R7W Sec. 17:Lots 1, 3,4 | Description |
| | 1022.45 | No. of Acres |
| | 079082 4/1/51 Amoco Production Co., et al | Santa Fe Serial No., Lease Date, & Record Holder |
| | .0314523 | Tract Particip. Decimal |
| .5000000 | .0157261 .0086860 .0000970 .0018427 .0014230 .0001479 .0000895 .0034401 .0314523 | Tract W.I. Particip. Decimal |
| ALL RIGHTS OTHER THAN MESAVERDE FORMATION Amnoco Production Company Blackwood & Nichols Co., Ltd. Agnes M. Morgan Alt RIGHTS OTHER THAN MESAVERDE FORMATION Amnoco Production Company 81.745283% × 86.485606% of 25/64 Agnes M. Morgan 81.745283% of 1/2 of 1/8 of 8/8 Agnes M. Morgan, Trustee 81.745283% of 1/2 of 1/8 of 8/8 81.745283% of 1/2 of 1/8 of 8/8 | RIGHTS IN MESAVERDE FORMATION ONLY Amoco Production Company Blackwood & Nichols Co., Ltd. Blackwood Co., Ltd. Blackwood & Nichols Co., Ltd. Blackwood & Nich | Page 22 of 8 Working Interest Owner Under Option Agreement, Operating Agreement or Assignment |
| 8 of 7/512 8 of 7/512 8 of 7/512 | 6A 12½% | |
| 12 | 21. ** | Percert of ORRI |

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| ωI— « | 16-B T | | 16-A, Cont. | п | Tract |
| T30N R7W Sec. 17:Lots 2,5 | T31N R8W | | ont. | FEDERAL LANDS | Description |
| ហ | 211.62 | | | | No. of Acres |
| Northwest Pipeline Corporation | 079082-A 4/1/51 | | | | Santa Fe Serial No., Lease Date, & Record Holder |
| | .0065098 | | | | Tract Particip. Decimal |
| 1.0000000 | .0065098 | .0452431 .0047021 .0028454 .0957031 | .0609582 | | Tract W.I. Particip. Decimal |
| RIGHTS ABOVE MESAVERDE FORMATION Northwest Pipeline Corporation - ALL RIGHTS BELOW THE BASE OF THE MESAVERDE FORMATION Phillips Petroleum Company - ALL | RIGHTS IN MESAVERDE FORMATION ONLY Northwest Pipeline Corporation - ALL USA 12½% 5%* | Mestland Oil Development Corp. Thayer H. Laurie & D.N. Mills, Trustees Burk, Bakwin & Henry 95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512 Agnes M. Morgan, Trustee 11.58254717% of 1/2 of 1/8 of 8/8 of 7/512 11.582241% of 25/64 1.203736% of 25/64 1.728417% of 25/64 49/512 | 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: | | Page 23 of 89 Working Interest Owner Under Option Agreement, Operating Agreement or Assignment |

| ease Date, Record 101der 1/1/49 1 | Tract Particip. Decimal .0043076 | Tract W.I. Particip. Decimal .0043076 .0043076 .10000000 | Working Interest Owner Under Option Agreement, Operating Agreement or Assignment RIGHTS IN MESAVERDE FORMATION ONLY ET Paso Natural Gas Company - ALL RIGHTS ABOVE THE MESAVERDE FORMATION ET Paso Natural Gas Company - ALL RIGHTS BELOW THE BASE OF THE MESAVERDE FORMATION THE BASE OF THE MESAVERDE FORMATION TO THE BASE OF |
|--|----------------------------------|--|---|
| 9511 1/49 n R. Howel | .0043076 | .0043076 1.0000000 1.8750000 .1250000 | HTS IN MESAVERDE FORMATION Paso Natural Gas Company HTS ABOVE THE MESAVERDE FOR Paso Natural Gas Company HTS BELOW THE BASE OF THE Ch Oil Company Serve Oil & Gas |
| 80557 /1/48 moco roduction | .0098437 | .0049218 .0027185 .0000304 .0005766 .0004454 .0000463 .0000280 .0010767 | 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 \$1,100,000 payable to: Nelson & Edward Morris, Ltd. |

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Description

No. of Acres

Page 24 of 89

Percent Percert of of Royalty ORRI

| Reserve 0il 8 Reserve 0il 8 Reserve 0il 8 RIGHTS IN MES Amoco Product Blackwood & N Devon-Blanco; OGP (Delaware Westland 0il Thayer H. Laurie 8 El Paso Natur SUBJECT TO \$1,100,000 Nelson | T30N R8W Sec. 13:SW% NW%, W% SE% SW%, SE% SW% | 140.03 079511 . 9/1/49 Ben R. Howell | 0043076 | .0043076 | DE FORMATION ONLY as Company - ALL MESAVERDE FORMATION as Company - ALL BASE OF THE MESAVERDE | | USA 12½% |
|--|---|--|----------|--|---|--|--|
| 320.00 080557 .0098437 .0049218 RIGHTS IN MES 9/1/48 .0027185 Blackwood & N Amoco Production .000304 Devon-Blanco; 0005766 OGP (Delaware .0004454 Westland 0il .0000280 T.H. Laurie & .0010767 SUBJECT TO \$1,100,000 Nelson | ン た ン と み | | | .8750000 .1250000 | BASE OF THE | SAVERDE FORMATION /8 /8 | i |
| | 1 | | .0098437 | .0049218 .0027185 .0000304 .0005766 .0004454 .0000463 .0000280 .0010767 | VERDE FORMATION On Company On Company Chols Co., Ltd. Ltd. Inc. Inc. Inc. Inc. Inc. Inc. Inc. Inc | 1/2 81.745283% x 86.485606% of 25/64 x 18.254717% x 86.485606% of 25/64 x 18.254717% x 86.485606% of 25/64 x 18.254717% x 86.485606% of 25/64 11.582241% of 25/64 1.203736% of 25/64 7/64 e and other lands in total amount of | 81.745283% x 86.485606% c x 18.254717% x 86.485606% c x 18.254717% x 86.485606% c 11.582241% c 1.203736% c .728417% c e and other lands in total 7/8 |

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| FEDERAL LANDS | Tract No. Description |
| | No. of Acres |
| | Santa Fe Serial No., Lease Date, & Record Holder |
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| | Working Interest Owner Under Option Agreement, Operating Agreement or Assignment |
| | Page 25 of 89 Pe Ro |
| | 39 Percent of Royalty |
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| .0452431 .0047021 .0028454 .0957031 | | .0609582 | | .0032083 | .5000000 .2873398 |
| Westland Oil Development Corp. Thayer H. Laurie T.H. Laurie & D.N. Mills, Trustees Burk, Bakwin & Henry | .+ 95% | OGP (Delaware) Inc. 95% x | + | Devon-Blanco, Ltd. 5% x | ALL RIGHTS OTHER THAN MESAVERDE FORMATION Amoco Production Company Blackwood & Nichols Co., Ltd. + 81.74 + 81.74 Subj |
| 11.582241% of 25/64 1.203736% of 25/64 .728417% of 25/64 49/512 | 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 | Agnes M. Morgan, Trustee 5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512 x 18.254717% x 86.485606% of 25/64 | | — | MATION 1/2 81.745283% x 86.485606% of 25/64 0f 7/512 Subject to Excess ORRI to: |

| | 19 | Tract |
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| | FEDERAL LANDS T31N R7W Sec. 14:W% W%, SE% NW% Sec. 15:ALL | t Description |
| | 840.00 | No. of Acres |
| | NM 03356 4/1/48 Blackwood & Nichols Co., Ltd. et al | Santa Fe Serial No., Lease Date, & Record Holder |
| | .0258398 | Tract Particip. Decimal |
| .5746796 | .0142720 .0001594 .0030277 .0023381 .0002430 .0001471 .0056525 | Tract W.I. Particip. Decimal |
| ALL RIGHTS OTHER THAN MESAVERDE FORMATION Blackwood & Nichols Co., Ltd. | RIGHTS IN MESAVERDE FORMATION ONLY Blackwood & Nichols Co., Ltd. Blackwood & Nichols Co., Ltd. Blackwood & Nichols Co., Ltd. Blackwood & Nichols Co., 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 12.03736% of 25/32 12.03736% of 25/32 12.03736% of 25/32 12.03736% of 25/32 Thayer H. Laurie 12.03736% of 25/32 12.03 | Page 26 of a Working Interest Owner Under Option Agreement, Operating Agreement or Assignment |
| 25/32 7/256 1/8 of 8/8 of 7/25 1/8 of 8/8 of 7/25 25/32 7/256 1/8 of 8/8 of 7/25 1/8 of 8/8 of 7/25 | USA 12½% | 89 Percent of Royalty |
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Percent

Royalty

FEDERAL LANDS

Tract

Description

No. of Acres

& Record

Serial No., Santa Fe

Tract

Lease Date,

Holder

19, Cont.

Particip Decima Decimal

Working Interest Owner Under Option Agreement, Operating Agreement or Assignment

Thayer H. Laurie

Burk, Bakwin & Henry

westland Oil Development Corp.

.0056908

.0094042 .0904862

T.H. Laurie & D.N. Mills, Trustees

OGP (Delaware) Inc.

+ 95% x 18.254717% x 86.485606% of 7/256 Subject to Excess ORRI to: 95% x 18.254717% x 86.485606% of 25/32

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

Agnes M. Morgan, Trustee $95\% \times 18.254717\%$ of 1/2 of 1/8 of 8/8 of 7/2561.582241% of 25/32

1.203736% of 25/32 .728417% of 25/32

Blackwood & Nichols Co., Ltd. RIGHTS IN MESAVERDE FORMATION ONLY 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

.0017815 .000185

.0001120

Co., Ltd.

& Nichols Blackwood

> .0001214 .0108740 0023069

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T31N R6W

NM 03357

.0196875

2/1/49

Sec. 30:ALL

OGP (Delaware) Inc. Devon-Blanco, Ltd.

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

1.203736% of 25/32

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:

3½¢ per Mcf for first 10 years

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

Revised as of 5/19/86

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No. of Acres

Santa Fe Serial No., Lease Date,

Royalty ORRI

| Particip. Particip. Working Interest Owner Under Option Agreement, Decimal Operating Agreement or Assignment | Record Particip. Particip. |
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Tract Tract W.I.

| .5746796 | |
|--|--|
| ALL RIGHTS OTHER THAN MESAVERDE FORMATION Blackwood & Nichols Co., Ltd. 81.74 + 81.74 Subj | |
| FORMATION 81.745283% x 86.485606% of 25/32 + 81.745283% of 7/256 Subject to Excess ORRI to: | |

| | | .0064167 | | | | | |
|--|----------------------------|---------------------------------------|--|--------------------------|--|-----------------|--------------------------|
| | | .0064167 Devon-Blanco, Ltd. | | | | | |
| Subject to Excess ORRI to: Agnes M. Morgan | + 5% x 18.254717% of 7/256 | 5% x 18.254717% x 86.485606% of 25/32 | 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 | Agnes M. Morgan | CARD COC OC TOCCOO CINCA |

| | | | .1219163 | | | | |
|-----------------|----------------------------|--|--|---|--------------------------|---|--|
| | | | 1219163 OGP (Delaware) Inc. | | | | |
| Agnes M. Morgan | Subject to Excess ORRI to: | + 95% x 18.254717% x 86.485606% of 7/256 | 95% x 18.254717% x 86.485606% of 25/32 | 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 | |

| D.N. Mills, Trus |
|--------------------------------|
| Thayer H. Laurie |
| Westland Oil Development Corp. |
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| | | | | | | 21-A | Tract |
|---|---|--|--|--|--|--|--|
| ٠ ٧ ٧ ٣ ٢ ٢ | Sec. 14:E ₂ , | Sec. 12:E½, S½ NW¼, E½ SW¼ | Sec. 11:N½, N½ SW¼, SW¼ SW¼ | Sec. 10:5½ | Sec. 1:Lots 6, 7,8, E½ SE½ | FEDERAL LANDS T31N R7W | t Description |
| | | | | | | 2396.77 | No. of Acres |
| • | | | | et al | Blackwood & Nichols Co., Ltd. | NM 03358 . | Santa Fe Serial No., Lease Date, & Record Holder |
| | | | | | | .0737287 | Tract Particip. Decimal |
| .5746796 | | | 0 | .0161282 | .0086391 | .0407223 | Tract W.I. Particip. Decimal |
| ### PANERUE FORMATION ### 81.745283% x 86.485606% of 25/32 + 81.745283% x 86.485606% 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 Agnes M. Morgan, Trustee 81.745283% of 1/2 of 1/8 of 8/8 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 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 | offile to Oil and Gas Lease" executed by 954. | only out of: ject to susper led in "Assignr | 7/8 1/8 interest (not of royalties and | ./2841/% of 25. 7 and other lands in total amoun | laware) Inc. 95% x 18.254717% x 86.485606% of 25/ d Oil Development Corp. 11.582241% of 25/ l. Laurie 1.203736% of 25/ | FORMATION ONLY Co., Ltd. 81.745283% x 86.485606% of 5% x 18.254717% x 86.485606% of | Page 29 of 89 Percent Percert Working Interest Owner Under Option Agreement, Operating Agreement or Assignment Royalty ORRI |

21-A, Cont.

1219163

OGP (Delaware) Inc.

FEDERAL LANDS

No. of Acres

Lease Date,

& Record

Serial No., Santa Fe

Decimal

Particip Decima

Particip.

Tract W.I.

Tract

Operating Agreement or Assignment Working Interest Owner Under Option Agreement,

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

11.582241% of 25/32 1.203736% of 25/32 .728417% of 25/32

1.0000000

Burk, Bakwin & Henry T.H. Laurie & D.N. Mills, Trustees

.0056908 1914062

.0094042 .0904862

Thayer H. Laurie

Westland Oil Development Corp.

.0005418 RIGHTS IN MESAVERDE FORMATION ONLY

Blackwood & Nichols Co., Ltd. Devon-Blanco, Ltd.

21-B

T31N R6W

Sec. 6:Lots 8,

Blackwood

1/1/51

Co., Ltd. & Nichols NM 05058

.0009810

9,10,11

OGP (Delaware) Inc.

Westland Oil Development Corp. 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

Thayer H. Laurie .H. Laurie & D.N. Mills, Trustees

728417% of 25/32

USA 12½%

None

.0000056 .0000092 .0000888 .0001149 .000006

0009810 0002146

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

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 A.M. Lloyd

 $4\frac{1}{2}$ ¢ 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,

Revised as of 5/19/86

| , | • | | FEDERAL LANDS 21-B, Cont. | Tract No. Description |
|--|-------------------|---|--|---|
| | · | | | No. of Acres |
| | | | | Santa Fe Serial No., Lease Date, & Record Holder |
| , | | | | Tract Particip. Decimal |
| .0904862 .0094042 .0056908 .1914062 | .1219163 | .0064167 | .5746796 | Tract W.I. Particip. Decimal |
| ×. | 99 155 28 8 | **S1./45283% Subject to Excess ORRI Agnes M. Morgan 81.745283% of 1/ Agnes M. Morgan, Trust 81.745283% of 1/ 5% x 18.254717% x 86.485606% | ALL RIGHTS OTHER THAN MESAVERDE FORMATION Blackwood & Nichols Co., Ltd. 81.745283% x 86.485606% of 25/32 | Page 31 of 89 Percent Percert Working Interest Owner Under Option Agreement, Operating Agreement or Assignment Royalty ORRI |

| vised as of 5/19/86 | | FEDERAL LANDS T30N R7W Sec. 19:Lots 5, 6,7,8,9, E½ NW% |
|--|---|--|
| | | 166.76 |
| | | NM 03845 8/1/52 Amoco Production Company et al |
| <i>,t</i> | | .0051298 |
| .0032083 | .5000000 .2873398 | .0025649 .0014167 .0000158 .0003005 .0002321 .0000241 .0000146 .0005611 |
| Agnes M. Morgan, Trustee 81.745283% of 1/2 of 1/8 of 8/8 of 7/512 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 | ALL RIGHTS OTHER THAN MESAVERDE FORMATION 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 | RIGHTS IN MESAVERDE FORMATION ONLY Amoco Production Company Blackwood & Nichols Co., Ltd. Devon-Blanco, 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: 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. |

22

Tract No. Description

No. of Acres

Santa Fe Serial No., Lease Date, & Record F Holder

Particip.
Decimal

Tract
W.I.
Particip.
Decimal

Working Interest Owner Under Option Agreement, Operating Agreement or Assignment

Page 32 of 89

Percent Percent of of Royalty ORRI

| | 1 | Tra No. |
|---|--|---|
| | FEDERAL LANDS 22, Cont. | Tract No. Description |
| | | No. of |
| | | Santa Fe Serial No., Lease Date, & Record Holder |
| | | Tract Particip. Decimal |
| .0452431 .0047021 .0028454 .0957031 | .0609582 | Tract W.I. Particip. Decimal |
| Subjec Agnes 95% x Westland Oil Development Corp. Thayer H. Laurie T.H. Laurie & D.N. Mills, Trustees Burk, Bakwin & Henry | OGP (Delaware) Inc. 95% x 18.2547 + 95% x 18.2547 | Working Interest Owner Under Option Agreement, Operating Agreement or Assignment |
| 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 | 95% x 18.254717% x 86.485606% of 25/64 | Page 33 of 89 Percent Percert of of of Royalty ORRI |

| Acres | |
|-------|---|
| 동 | ! |

Working Interest Owner Under Option Agreement,

Operating Agreement or Assignment

Particip. Decimal

Tract

Santa Fe Serial No., Lease Date,

FEDERAL : LANDS

23

T31N R7W

10.31

NM 28758

0003172

B1 ackwood 11/1/76

Sec. 1:Lot 5

& Nichols

Co., Ltd.

.0000672

.0000163

OGP (Delaware) Inc. El Paso Natural Gas Company

21.199416

.488466

.260911

.861600%

5.168927

.272049

Blackwood & Nichols Co., Ltd.

24.364886 32.975933

None

Devon-Blanco, Ltd.

Amoco Production Company

RIGHTS IN ALL FORMATIONS

.0000009 .0000773

.0000016

Jacqulyn M. Williams

The Wiser Oil Company

.0000008

.000002

.000000; Texaco, Inc.

.000000 Jane Phillips Ladoceur H.H. Phillips, Estate

.0000000 .0000002 Ashton J. Fischer

.0000002

Castle, Inc. H.H. Phillips, Jr.

.010990%

.054949

.096160%

Wintergreen Energy Corporation

.0576969

. 440596 .008792

.536260 .440595

4.9409999

4924489

Northwest Pipeline Corporation Continental Oil Company

Susanna Phillips Kelly

Tenneco Oil Company

T.H. Laurie & D.N. Mills, Trustees

.0000016 0000010

.000015

.000004 .0000046 .000000

.0000176

Westland Oil Development Corp. Thayer H. Laurie

TOTAL FEDERAL ACREAGE 26,024.92

PERCENT OF UNIT AREA

78.97

Revised as of 5/19/86

| 25 | 24 | Tract |
|---|---|---|
| T31N R7W Sec. 16:SW% NE% | STATE LANDS T31N R7W Sec. 16:N½ NE¼, NE¼ NW¼, NE¾ SW¾, SE¾ | Description |
| 40.00 | 320.00 | S No. of Acres |
| E 3707-4 7/6/50 Northwest Pipeline Corporation | E 3150-1 12/10/49 El Paso Natural Gas Co. | New Mexico State Lease No. Lease Date, & Record I Holder |
| .0012305 | .0098437 | Tract Particip. Decimal |
| .0012305 | .0098437 | Tract W.I. Particip. Decimal |
| 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 | RIGHTS IN MESAVERDE FORMATION ONLY El Paso Natural Gas Company - ALL ALL RIGHTS OTHER THAN MESAVERDE FORMATION El Paso Natural Gas Company - ALL | Working Interest Owner Under Option Agreement, Operating Agreement or Assignment |
| STATE 12½% | STATE 12½% | Page 35 of 89 Percent of Royalty |
| ហ · % * | ហ % * | Percert of ORRI |

| , | Page |
|---|------------|
| | <u>3</u> 6 |
| | of 89 |
| | u |
| | |

Percent Percent of of Royalty ORRI

Tract No. Description

No. of Acres

New Mexico State Lease No., Tract Lease Date, Tract of & Record Particip. s Holder Decimal

Tract
W.I.
Particip.
Decimal

Working Interest Owner Under Option Agreement, Operating Agreement or Assignment

| | | 26 |
|--|----------------------|---|
| | | STATE LANDS T31N R7W Sec. 16:W½ W½ |
| | | 160.00 |
| • | · | E 178-1 2/13/45 Amoco Production Company et al |
| | | .0049219 |
| .0032083 | .5000000 .2873398 | .0024610 .0013593 .0000152 .0002883 .0002227 .0000231 .0000140 .0005383 .0049219 |
| Subject to Excess ORRI to: Subject to Excess ORRI to: Agnes M. Morgan 81.745283% of 1/2 of 1/8 of 8/8 of 7/512 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% cof 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 | | RIGHTS IN MESAVERDE FORMATION ONLY Amoco Production Company Blackwood & Nichols Co., Ltd. Devon-Blanco, Ltd. OGP (Delaware) Inc. OGP (Delaware) Inc. OF (Notation Corp. Thayer H. Laurie Th. 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. 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 Alt as is more specifically provided in "Assignment Affecting Record Title to Oil and Gas Lease" executed by said parties as of January 1, 1954. |

ORRI

STATE LANDS

No. Tract

Description

26, 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 $95\% \times 18.254717\%$ of 1/2 of 1/8 of 8/8 of 7/512Agnes 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

..0000000 .0452431 .002845 Westland Oil Development Corp.
Thayer H. Laurie
T.H. Laurie & D.N. Mills, Trustees Burk, Bakwin & Henry

Texaco, Inc. - ALL RIGHTS IN MESAVERDE FORMATION ONLY

ALL RIGHTS OTHER THAN MESAVERDE FORMATION Texaco, Inc. - ALL

T31N R7W

27

Sec. 16:SE% NE%, SE% NW%, SE% SW%

120.00 E 5382 7/10/51

.0036914

.0036914

Inc. Texaco,

1.0000000

STATE 12½% None

| | STATE LANDS 28 T31N R7W Sec. 32:E½ | Tract No. Description |
|---|--|---|
| | 320.00 E 178-1 .0098437 2/13/45 Amoco Production Company et al | New Mexico State Lease No., Lease Date, Tract No. of & Record Particip. Acres Holder Decimal |
| .5000000 | 7 .0049218 .0027184 .0000304 .0005767 .0004454 .0000280 .0010767 .0098437 | Tract W.I. p. Particip. Decimal |
| ALL RIGHTS OTHER THAN MESAVERDE FORMATION Amnoco Production Company Blackwood & Nichols Co., Ltd. | RIGHTS IN MESAVERDE FORMATION ONLY Amoco Production Company Blackwood & Nichols Co., Ltd. Blackwood & Nichols Co., Ltd. S% x 18.254717% x 86.485606% of 25/64 Devon-Blanco, Ltd. OGP (Delaware) Inc. S% x 18.254717% x 86.485606% of 25/64 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: 3½¢ per Mcf for first 10 years 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. | Page 38 of 89 Percent Percert Working Interest Owner Under Option Agreement, Operating Agreement or Assignment Royalty ORRI |

| | 29 | | 28, Cont. | | Tract |
|---|---|--|--|-------------|---|
| Sec. 32:NE% NW% | T31N R7W | | Cont. | STATE LANDS | t Description |
| • | 40.00 | | | | No. of Acres |
| Jacqulyn M. Williams | E 3948-1 | | | | New Mexico State Lease No., Lease Date, & Record Pa Holder [|
| | .0012305 | | · | | Tract Particip. Decimal |
| 1.0000000 | .0012305 | .0452431 .0047021 .0028454 .0957031 | .0609582 | | Tract W.I. Particip. Decimal |
| ALL RIGHTS OTHER THAN MESAVERDE FORMATION Jacqulyn M. Williams - ALL | RIGHTS IN MESAVERDE FORMATION ONLY Jacqulyn M. Williams - ALL | Westland Oil Development Corp. 95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512 Thayer H. Laurie T.H. Laurie & D.N. Mills, Trustees Burk, Bakwin & Henry | 0GP (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 | | Page Working Interest Owner Under Option Agreement, Operating Agreement or Assignment |
| | STATE 12½% 12½% | of 8/8 of 7/512 4 4 4 12 | of 8/8 of 7/512 | | 39 of 89 Percent Percert of of Royalty ORRI |

| , | | | | | |
|--|---|---|---|--|---|
| | သ | | | 30 | Tract |
| Sec. 32:Lots 1, 2,3 | T31N R7W | · | Sec. 32:SE뉳 NW뉳, NE뉳 SW눟 | STATE LANDS T31N R7W | t Description |
| | 44.79 | | | 80.00 | No. of Acres |
| Jacqulyn M. Williams | E 453-4 | corporacion | Northwest Pipeline | E 292-9 | New Mexico State Lease No., Lease Date, & Record Pa |
| | .0013778 | | | .0024609 | Tract Particip. Decimal |
| 1.0000000 | .0013778 | 1.0000000 | 1.0000000 | .0024609 | Tract W.I. Particip. Decimal |
| ALL RIGHTS OTHER THAN MESAVERDE FORMATION Jacqulyn M. Williams - ALL | RIGHTS IN MESAVERDE FORMATION ONLY Jacqulyn M. Williams - ALL | RIGHTS BELOW THE BASE OF THE MESAVERDE FORMATION Northwest Pipeline Corporation - ALL | RIGHTS ABOVE THE MESAVERDE FORMATION Northwest Pipeline Corporation - ALL | RIGHTS IN MESAVERDE FORMATION ONLY Northwest Pipeline Corporation - ALL | Working Interest Owner Under Option Agreement, Operating Agreement or Assignment |
| | STATE 12½% 12½% | | | STATE 12½% 5%* | Page 40 of 89 Percent Percert of of Royalty ORRI |

| | . 32 | Tract |
|--|---|---|
| | STATE LANDS T31N R7W Sec. 32:Lot 4, SE½ SW½ | t Description |
| | 68.32 | No. of Acres |
| | B-11125 3/21/44 Blackwood & Nichols Co., Ltd. et al | New Mexico State Lease No. Lease Date, & Record Holder |
| . : | .0021016 | Tract Particip. Decimal |
| .5746796 | .0011608 .0000130 .0002462 .0001902 .0000198 .0000119 .0004597 | Tract W.I. Particip. Decimal |
| ALL RIGHTS OTHER THAN MESAVERDE FORMATION Blackwood & Nichols Co., Ltd. 81.745283% x 86.485606% of 25/32 + 81.745283% x 86.485606% of 25/32 + 81.745283% x 86.485606% of 25/32 Agnes M. Morgan Blackwood & Nichols Co., Ltd. 181.745283% x 86.485606% of 25/32 - Agnes M. Morgan, Trustee - Sw x 18.254717% x 86.485606% of 25/32 - Agnes M. Morgan - Sw x 18.254717% of 1/2 of 1/8 of 8/8 of 7/256 - Agnes M. Morgan - Sw x 18.254717% of 1/2 of 1/8 of 8/8 of 7/256 - Agnes M. Morgan, Trustee - Sw x 18.254717% of 1/2 of 1/8 of 8/8 of 7/256 - Agnes M. Morgan, Trustee - Sw x 18.254717% of 1/2 of 1/8 of 8/8 of 7/256 - Agnes M. Morgan, Trustee - Sw x 18.254717% of 1/2 of 1/8 of 8/8 of 7/256 | RIGHTS IN MESAVERDE FORMATION ONLY Blackwood & Nichols Co., Ltd. Devon-Blanco, Ltd. S% x 18.254717% x 86.485606% of 25/32 OGP (Delaware) Inc. Westland Oil Development Corp. Thayer H. Laurie T.H. Laurie & D.N. Mills, Trustees T.H. Laurie & D.N. Mills, Trustees 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: 354 per Mcf for first 10 years 454 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. | Page 41 of 89 Percent Percert Working Interest Owner Under Option Agreement, Operating Agreement or Assignment Royalty ORRI |

Royalty Percent Percen

Description No. of Acres

No. Tract

Holder & Record Lease Date,

State Lease No.,

Tract

New Mexico

Partici Decima

Particip. Decimal

Operating Agreement or Assignment

Working Interest Owner Under Option Agreement,

1219163 OGP (Delaware) Inc.

32, Cont.

STATE LANDS

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:

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

Agnes M. Morgan, Trustee $95\% \times 18.254717\%$ 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

1914062

.0056908

.0904862

Westland Oil Development Corp. Thayer H. Laurie Burk, Bakwin & Henry

T.H. Laurie & D.N. Mills, Trustees

GAS RIGHTS IN MESAVERDE FORMATION ONLY El Paso Natural Gas Company - ALL

STATE 121/2%

21.875%*

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T31N R7W

640.00

.0196875

.0196875

E 505-6 8/21/45 El Paso

Gas Co

Natura

1.0000000

Sec. 36:ALL

GAS RIGHTS ABOVE MESAVERDE FORMATION

El Paso Natural Gas Company - ALL

GAS RIGHTS BELOW THE BASE OF MESAVERDE FORMATION AND OIL RIGHTS ALL DEPTHS

1.0000000 Estate of J. Glenn Turner - ALL

.0048831

.0048831

The Wiser Oil Company - ALL RIGHTS IN MESAVERDE FORMATION ONLY

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

1.0000000

Revised as of 5/19/86

Sec. 2:NE%

34

T30N R7W

158.74

E 289-3 5/2/45

0il Company

The Wiser

*DETAIL ATTACHED

STATE 12½% None

| 7 |
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| g |
| æ |
| 43 |
| 0 |
| _₽ |

Royalty Percent Percent ORRI

No. of Acres Lease Date, & Record Particip Decima Tract Particip. Tract W.I. Decimal Working Interest Owner Under Option Agreement, Operating Agreement or Assignment

State Lease No.,

New Mexico

Description

ၾ

T30N R7W

STATE LANDS

Sec. 2:Lot 7, SE% NW%

79.33

.0024403

E 289-24 5/2/45 Northwest

Pipeline

Corporation

RIGHTS IN MESAVERDE FORMATION ONLY

.0024403 Northwest Pipeline Corporation - ALL

STATE 12½% 5%*

1.0000000 Northwest Pipeline Corporation - ALL RIGHTS ABOVE THE MESAVERDE FORMATION

1.0000000 Phillips Petroleum Company - ALL RIGHTS BELOW THE BASE OF THE MESAVERDE FORMATION

E 289-23 5/2/45 RIGHTS IN MESAVERDE FORMATION ONLY

.0122828 .0122828 Northwest Pipeline Corporation - ALL

STATE 12½% 5%*

36

T30N R7W

399.29

Sec. 2:Lot 8,

SW% NW%

Corporation Pipeline Northwest

> 1.0000000 Northwest Pipeline Corporation - ALL RIGHTS ABOVE THE MESAVERDE FORMATION

1.0000000 Phillips Petroleum Company - ALL RIGHTS BELOW THE BASE OF THE MESAVERDE FORMATION

STATE 12½% 5% (NOT COMMITTED)

Revised as of 5/19/86

37

T30N R7W

160.00

E 5167-2

4/9/51 W.P. Carr

Sec. 16:NE%

(NOT COMMITTED)

| Revi | |
|--|--|
| Revised as of 5/19/86 | T30N R7W Sec. 16:W½ |
| | 320.00 |
| | E 178-1 2/13/45 Amoco Production Company et al |
| | .0098437 |
| .5000000 | .0049218 .0027185 .0000304 .0005766 .0004454 .0000463 .0010767 .0010767 |
| ALL RIGHTS OTHER THAN MESAVERDE FORMATION Amoco Production Company 81.745283% x 86.485606% of 25/64 + 81.745283% x 86.485606% of 25/64 + 81.745283% x 86.485606% of 25/64 + 81.745283% x 86.485606% of 25/64 - 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 Agnes M. Morgan - Sw x 18.254717% x 86.485606% of 25/64 - 5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512 Agnes M. Morgan - Sw x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512 Agnes M. Morgan, Trustee - Sw x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512 Agnes M. Morgan, Trustee - Sw x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512 | RIGHTS IN MESAVERDE FORMATION ONLY Amoco Production Company Blackwood & Nichols Co., Ltd. Devon-Blanco, Ltd. OGP (Delaware) Inc. OGP (25/64 OG |

No. Description

No. of Acres

Lease Date, Tract & Record Particip. Holder Decimal

Particip.
Decimal

Working Interest Owner Under Option Agreement, Operating Agreement or Assignment

Page 44 of 89

Percent Percert of of Royalty ORRI

Tract W.I.

New Mexico State Lease No.,

Royalty Percent Percent

STATE LANDS

8

Description

No. of Acres

38, 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 $95\% \times 18.254717\%$ of 1/2 of 1/8 of 8/8 of 7/512

Agnes M. Morgan, Trustee $95\% \times 18.254717\%$ 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 .0028454 .004702 .045243 0957031 Thayer H. Laurie T.H. Laurie & D.N. Mills, Trustees Burk, Bakwin & Henry Westland Oil Development Corp.

Crown Central Petroleum Corporation - ALL

STATE 12½% None (NOT COMMITTED)

80.00 B 10603-24 Petroleum Crown Central 9/8/43

(NOT COMMITTED)

Corporation

Sec: 16:W% SE%

39

T30N R7W

40 T30N R7W 80.00 B 10603-24

9/8/43

Sec. 16:E% SE% (NOT COMMITTED)

Corporation Petroleum Crown Central

Crown Central Petroleum Corporation - ALL

STATE 12½% None (NOT COMMITTED)

| | 43 | | 42 | | 41 | Tract |
|---|--|---|--|--|---|---|
| Sec. 36:SW½ NW½, NW½ SE¾ | T31N R8W | Sec. 36:S½ SW¼ | T31N R8W | Sec. 36:S½ NE¾, SE¾ NW¾, N½ SW¼, SW¼ SE¾, NE¾ SE¾, | STATE LANDS T31N R8W | t Description |
| • | 80.00 | | 80.00 | • • | 280.00 | No. of Acres |
| Northwest Pipeline Corporation | E 3707-5 | //6/50 Northwest Pipeline Corporation | E 3707-4 | El Paso Natural Gas Co. | E 3150-1 | New Mexico State Lease No. Lease Date, & Record P |
| , | .0024609 | _ | .0024609 | · | .0086133 | lo., Tract Particip. Decimal |
| 1.0000000 | .0024609 | 1.0000000 | .0024609 | 1.00000000 | .0086133 | Tract W.I. Particip. Decimal |
| RIGHTS ABOVE THE MESAVERDE FORMATION Northwest Pipeline Corporation - ALL RIGHTS BELOW THE BASE OF THE MESAVERDE FORMATION Phillips Petroleum Company - ALL | 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 | RIGHTS IN MESAVERDE FORMATION ONLY Northwest Pipeline Corporation - ALL | ALL RIGHTS OTHER THAN MESAVERDE FORMATION El Paso Natural Gas Company - ALL | RIGHTS IN MESAVERDE FORMATION ONLY El Paso Natural Gas Company - ALL | Working Interest Owner Under Option Agreement, Operating Agreement or Assignment |
| | STATE 12½% 5%* | | STATE 12½% 5%* | | STATE 12½% 5%* | Page 46 of 89 Percent Percert of Royalty ORRI |

| , | New |
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| Lease Date, Tract W.I. No. of & Record Particip. Particip. Working Interest Owner Under Option Agreement, No. of & Record Particip. Working Interest Owner Under Option Agreement, No. Description Acres Holder Decimal Decimal Operating Agreement or Assignment STATE LANDS STATE LANDS 131N R8W 40.00 E 292-9 .0012305 .0012305 .0012305 RIGHTS IN MESAVERDE FORMATION ONLY Sec. 36:SE% SE% Northwest RIGHTS ABOVE THE MESAVERDE FORMATION RIGHTS ABOVE THE MESAVERDE FORMATION RIGHTS ABOVE THE MESAVERDE FORMATION RIGHTS ABOVE THE MESAVERDE FORMATION | State Lease No., Tract | |
|---|------------------------|--|
|---|------------------------|--|

| | | 45 | |
|-----------------|---|-----------------|--|
| | Sec. 36:N½ N½ | T31N R8W | |
| | | 160.00 | |
| Inc. | 7/10/51 Texaco, | E 5382 | |
| | | .0049219 | |
| 1.0000000 | | .0049219 | |
| Texaco, Inc ALL | ALL RIGHTS OTHER THAN MESAVERDE FORMATION | Texaco, Inc ALL | RIGHTS IN THE MESAVERDE FORMATION ONLY |

PERCENT OF UNIT AREA

TOTAL ACREAGE STATE LANDS

3,750.47 11.38

Revised as of 5/19/86

Page 47 of 89
Percent Percert
of of
Royalty ORRI

STATE 12½% 5%*

1.0000000 Phillips Petroleum Company - ALL

STATE 12½% None

Tract No. Description

No. of Acres

Record
Owner of
Lease and
Expiration
Date

Tract
Particip.
Decimal

Particip.
Decimal

Working Interest Owner Under Option Agreement, Operating Agreement or Assignment

Tract W.I.

| 46 |
|--|
| PATENTED LANDS T31N R7W Sec. 11:SE¼ SW¾, Sec. 12:W½ SE¾ Sec. 14:NE¾ NW¾ |
| 320.00 |
| Northwest Pipeline Corporation 12/6/56 |
| .0098437 |
| .0098437 |
| RIGHTS IN THE MESAVERDE FORMATION ONLY 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 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. |
| 15%* |
| None |

.5000000 .5000000

RIGHTS BELOW THE BASE OF THE MESAVERDE FORMATION Phillips Petroleum Company
T.H. McElvain Oil & Gas Properties

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| R 0 0 0. | 47 | Tract |
|---|--|--|
| Revised as of 5/10/86 | PATENTED LANDS T31N R7W Sec. 1:SW4, W2 SE4 Sec. 12:N2 NW4 | Description |
| ັກ | 320.00 | No. of Acres |
| • | Amoco Production Company et al 6/15/53 | Record Owner of Lease and Expiration Date |
| | .0098437 | Tract Particip. Decimal |
| .5000000 | .0049218 .0027185 .0000304 .0005766 .0004454 .0000463 .0000280 .0010767 .0098437 | Tract W.I. Particip. Decimal |
| All RIGHTS OTHER THAN MESAVERDE FORMATION Amoco Production Company Blackwood & Nichols Co., Ltd. Blackwood & Nichols Co., Ltd. Agnes M. Morgan 81.745283% x 86.485606% of 25/64 + 81.745283% x 86.485606% of 25/64 - 81.745283% of 1/2 of 1/8 of 8/8 Agnes M. Morgan, Trustee 81.745283% of 1/2 of 1/8 of 8/8 Agnes M. Morgan, Trustee 81.745283% of 1/2 of 1/8 of 8/8 5% x 18.254717% x 86.485606% of 25/64 + 5% x 18.254717% x 86.485606% of 25/64 - 5% x 18.254717% of 1/2 of 1/8 of 8/8 Agnes M. Morgan, Trustee 5% x 18.254717% of 1/2 of 1/8 of 8/8 Agnes M. Morgan, Trustee 5% x 18.254717% of 1/2 of 1/8 of 8/8 | RIGHTS IN MESAVERDE FORMATION ONLY Annoco Production Company Blackwood & Nichols Co., Ltd. Blackwood & Nichols Co., Ltd. Devon-Blanco, Ltd. OGP (Delaware) Inc. S% x 18.254717% x 86.485606% of 25/64 Westland Oil Development Corp. Thayer H. Laurie Thayer H. Laurie Thayer H. Laurie Thas 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. 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: 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. | Page 49 of 89 Working Interest Owner Under Option Agreement, Operating Agreement or Assignment |
| 8/8 of 7/512 8/8 of 7/512 8/8 of 7/512 | 12½%* | Percent Per of c Royalty OF |
| | None | ercert of ORRI |

Acres

Lease and Expiration

Owner of

Record

Particip Decima'

Tract W.I.

Particip. Decima

Operating Agreement or Assignment Working Interest Owner Under Option Agreement,

8

Royalty Percent

PATENTED LANDS

47, Cont.

,0609582 OGP (Delaware) Inc.

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

Subject to Excess ORRI to:

Agnes M. Morgan

Agnes M. Morgan, Trustee $95\% \times 18.254717\%$ of 1/2 of 1/8 of 8/8 of 7/51295% 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

Burk, Bakwin & Henry T.H. Laurie & D.N. Mills, Trustees

.0000000 095703

.002845

.004702

Westland Oil Development Corp

.045243

Thayer H. Laurie

001076

.0000280 .000046 .0005766

OGP (Delaware) Inc. Devon-Blanco, Ltd.

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

123/2*

None

.0000304 .0027185 48

T31N R7W

320.00

Amoco

.0098437

0049218

Amoco Production Company Blackwood & Nichols Co., Ltd.

RIGHTS IN MESAVERDE FORMATION ONLY

Sec. 9:53

et al 12/12/57

Company Production

.000445

Westland Oil Development Corp. Thayer H. Laurie

728417%

of 25/64 of 25/64

. 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:

3½¢ per Mcf for first 10 years

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

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 |
| Page 51 of 89 Percent Percert of of Royalty ORRI |

PATENTED LANDS

48, Cont.

| .0452431 .0047021 .0028454 .0957031 1.0000000 | .0609582 | .0032083 | .5000000 .2873398 |
|--|--|---|--|
| Westland Oil Development Corp. Thayer H. Laurie T.H. Laurie & D.N. Mills, Trustees Burk, Bakwin & Henry | 0GP (Delaware) Inc. 95% x + 95% x | Devon-Blanco, Ltd. 5% x + 5% x | ALL RIGHTS OTHER THAN MESAVERDE FORM Amoco Production Company Blackwood & Nichols Co., Ltd. + |
| 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 | 5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512 18.254717% x 86.485606% of 25/64 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 81.745283% of 1/2 of 1/8 of 8/8 of 7/512 18.254717% x 86.485606% of 25/64 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 | FORMATION 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 |

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| Revised | 49 | Tract |
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| sed as of 5/19/86 | PATENTED LANDS T31N R7W Sec. 19:NE% NE% | Description |
| δi | 40.00 | No. of Acres |
| · . | Amoco Production Company et al 11/7/57 | Record Owner of Lease and Expiration Date |
| | .0012305 | Tract Particip. Decimal |
| .5000000 | .0006152 .0003398 .00000721 .0000557 .0000058 .0001346 .0012305 | Tract W.I. Particip. Decimal |
| ALL RIGHTS OTHER THAN MESAVERDE FORMATION Amoco Production Company Blackwood & Nichols Co., Ltd. | RIGHTS IN MESAVERDE FORMATION ONLY Amoco Production Company Blackwood & Nichols Co., Ltd. Devon-Blanco, Ltd. Geron-Blanco, Ltd. OGP (Delaware) Inc. OGP (Delaware) Inc. Hestland Oil Development Corp. Thayer H. Laurie Thayer H. Laurie & D.N. Mills, Trustees T.H. Laurie & D.N. Mills, Trustees T.H. Laurie & D.N. Mills, Trustees 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: 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. | Page 52 of 89 Working Interest Owner Under Option Agreement, Operating Agreement or Assignment |
| 8/8 of 7/512 8/8 of 7/512 8/8 of 7/512 8/8 of 7/512 | 125%* | rcent of yalty |
| 512 512 512 | None | Percert of ORRI |

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| Revised | 50 | | 49, Cont. | | Tract |
| ed as of 5/19/86 | T31N R7W Sec. 19:SE¼ NE¼, NE¼ SE½ | • | nt. | PATENTED LANDS | Description |
| O. | , 80.00 | | | , | No. of Acres |
| | Amoco Production Company et al | | | | Record Owner of Lease and Expiration Date |
| | .0024609 | | | | Tract Particip. Decimal |
| .0001116 .0000116 .0002692 .0024609 | .0012304 .0006796 .0000076 .0001442 | .0452431 .0047021 .0028454 .0957031 | .0609582 | | Tract W.I. Particip. Decimal |
| Thayer H. Laurie Thayer | TS IN MESAVERDE FORMATION ONLY o Production Company kwood & Nichols Co., Ltd. 81.745283% x 86.485606% n-Blanco, Ltd. 5% x 18.254717% x 86.485606% (Delaware) Inc. 95% x 18.254717% x 86.485606% | Subject to Excess ORRI to Agnes M. Morgan 95% x 18.254717% of 1/2 of Agnes M. Morgan, Trustee Agnes M. Morgan, Trustee 95% x 18.254717% of 1/2 of 1.203736% of 1.203736% of .728417% of | 0GP (Delaware) Inc. 95% x 18.254717% x 86.485606% of 25/64 + 95% x 18.254717% af 7/512 | | Page 53 of 89 Working Interest Owner Under Option Agreement, of of of Operating Agreement or Assignment Royalty ORRI |

| | | | PATENTED LANDS 50, Cont. | Tract No. Description |
|---|--|--|---|---|
| | | | · | No. of Acres |
| · | | | | Record Owner of Lease and Expiration Date |
| | | | | Tract Particip. Decimal |
| .0452431 .0047021 .0028454 .0957031 | .0609582 | .0032083 | .5000000 | Tract W.I. Particip. Decimal |
| M. Morgan, Trustee 18.254717% of 1/2 of 1/8 of 11.582241% of 25/64 1.203736% of 25/64 .728417% of 25/64 | 18.254717% of 1/2 of 1/8 of 8/8 of 7/5 M. Morgan, Trustee 18.254717% of 1/2 of 1/8 of 8/8 of 7/5 18.254717% of 1/2 of 1/8 of 8/8 of 7/5 717% x 86.485606% of 25/64 | .745283% of 1/2 of 1/8 of 8/8 of 7/5 Morgan, Trustee .745283% of 1/2 of 1/8 of 8/8 of 7/5 % x 86.485606% of 25/64 % of 7/512 to Excess ORRI to: Morgan | ALL RIGHTS OTHER THAN MESAVERDE FORMATION Amoco Production Company Blackwood & Nichols Co., Ltd. 81.745283% × 86.485606% of 25/64 + 81.745283% of 7/512 Subject to Excess ORRI to: Agnes M. Morgan | Page 54 of 89 Percent Percent Working Interest Owner Under Option Agreement, Of of of Operating Agreement or Assignment |

| Tract |
|---|
| t Description |
| No. of Acres |
| Necord Owner of Lease and Expiration Date |
| Tract Particip. Decimal |
| Tract W.I. Particip. Decimal |
| Working Interest Owner Under Option Agreement, Operating Agreement or Assignment |
| Page 55 of 89 Percent Percert of of Royalty ORRI |

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|--|---|
| Revised as of 5/19/86 | PATENTED LANDS T31N R7W Sec. 19:SE¼ SE¼ Sec. 30:NE¾ NE¾ |
| | 80.00 |
| · | Amoco Production Company et al 1/13/57 |
| | .0024609 |
| .5000000 | .0012304 .0006796 .0000076 .0001442 .0001113 .0000116 .0000070 .0002692 |
| ALL RIGHTS OTHER THAN MESAVERDE FORMATION Amoco Production Company Blackwood & Nichols Co., Ltd. **81.745283%** **86.485606% of 25/64* **81.745283%* **Subject to Excess ORRI to: Agnes M. Morgan **81.745283% of 1/2 of 1/8 of 8/8 of 7/51 Agnes M. Morgan, Trustee **81.745283% of 1/2 of 1/8 of 8/8 of 7/51 **Agnes M. Morgan, Trustee **Six 18.254717%* **Agnes M. Morgan **Six 18.254717% of 1/2 of 1/8 of 8/8 of 7/51 **Agnes M. Morgan, Trustee **Agnes M. Morgan, Trustee **Agnes M. Morgan, Trustee **Agnes M. Morgan, Trustee **Six 18.254717% of 1/2 of 1/8 of 8/8 of 7/51 **Agnes M. Morgan, Trustee **Six 18.254717% of 1/2 of 1/8 of 8/8 of 7/51 **Agnes M. Morgan, Trustee **Six 18.254717% of 1/2 of 1/8 of 8/8 of 7/51 **Agnes M. Morgan, Trustee **Agnes M. Morgan, Tru | RIGHTS IN MESAVERDE FORMATION ONLY Amoco Production Company Blackwood & Nichols Co., Ltd. Devon-Blanco, Ltd. Devon-Blanco, Ltd. Development Corp. Thayer 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. An. Lloyd Payable from gas produced to this interest (net of royalties and other burdens) from Mesaverde formation only out of: 3½¢ 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. |
| | None |

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| Description | • |
| Acres | |

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Lease and

Owner of

Expiration

Particip Decima

Particip. Tract W.I. Decimal

Working Interest Owner Under Option Agreement, Operating Agreement or Assignment

Royalty ORRI

PATENTED LANDS

51, Cont.

.0028454 .004702 .0452431 .0609582 .0957031 OGP (Delaware) Inc. Burk, Bakwin & Henry T.H. Laurie & D.N. Mills, Trustees Westland Oil Development Corp. Thayer H. Laurie

95% x 18.254717% x 86.485606% of 25/64 + 95% x 18.254717% of 7/512 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 95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512 Agnes M. Morgan Subject to Excess ORRI to: Agnes M. Morgan, Trustee

.0024609 .0012304 .0006796 .0000076 .0001113 .0001442 ,0000116 Amoco Production Company

Company et al

11/13/57

52

T31N R7W

80.00

Amoco

Production

Sec. 20:W% NW%

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 5tees .728417% of 25/64

None

Devon-Blanco, Ltd. OGP (Delaware) Inc. Blackwood & Nichols Co., Ltd.

RIGHTS IN MESAVERDE FORMATION ONLY

.0000070 Westland Oil Development Corp. Thayer H. Laurie

.H. Laurie & D.N. Mills, Trustees

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

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 0il and Gas Lease" executed by said parties as of January 1,

Revised as of 5/19/86

| Revised as of 5/19/86 | | | 32, conc. | i i | Tract No. Description |
|--|---|--|--|-----------|--|
| 86 | | | | | No. of Acres |
| | | | | | Record Owner of Lease and Expiration Date |
| , | | | | | Tract Particip. Decimal |
| .0609582 | .0032083 | .5000000 .2873398 | 1.00000 | | Tract W.I. Particip. Decimal |
| % % 3 9.0 9.0 | Devon-Blanco, Ltd. 5% > | Amoco Production Company (Convented ALL RIGHTS OTHER THAN MESAVERDE & Dance Production Company Blackwood & Nichols Co., Ltd. | CT TO 1/8 of 8/8 overried by all other overried by all other overried by all other overried wood & Nichols Co., on-Blanco, Ltd. (Delaware) Inc. (Delaware) Inc. tland Oil Development tland Oil Development yer H. Laurie Laurie & D.N. Mills, k, Bakwin & Henry es M. Morgan Trustee | IN DAKOTA | Working Interest Owner Under Option Operating Agreement or Assignment |
| Subject to Excess ORRI to Agnes M. Morgan 5% x 18.254717% of 1/2 of Agnes M. Morgan, Trustee 5% x 18.254717% of 1/2 of 18.254717% x 86.485606% of 18.254717% Subject to Excess ORRI to Agnes M. Morgan 95% x 18.254717% of 1/2 of Agnes M. Morgan, Trustee 95% x 18.254717% of 1/2 of 95% x 18.254717% of 1/2 of | Subject to Excess ORRI to Subject to Excess ORRI to Agnes M. Morgan 81.745283% of 1/2 of Agnes M. Morgan, Trustee 81.745283% of 1/2 of 18.254717% x 86.485606% of | DE & DAKOTA FORMATIONS 1/2 81.745283% x 86.485606% of 25/64 + 81 745283% x 86.485606% of 7/512 | est which shall be erved unto: 86.485606% of 25/64 of 1/86.485606% of 25/64 of 1/1.582241% of 25/64 of 1/1.203736% of 25/64 of 1/.728417% of 25/64 of 1/.728417% of 7/512 of 1/½ of 7/512 of 1/½ of 7/512 of 1/½ of 7/512 of 1/½ | | Page 57 of 89 Percent Percert of of of Royalty ORRI |

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| Tract | |
|---|---|
| Description | |
| No. of Acres | |
| Serial No., Lease Date, & Record Holder | , |
| Tract Partici Decima | |
| W.I. Decimal C | • |
| Working Interest Owner Under Option Agreement, Operating Agreement or Assignment | |
| Percent Per of c Royalty OF | |
| Percert of ORRI | |

Santa Fe

PATENTED LANDS

| 52, | |
|-------|-----|
| Cont. | 77. |

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| 1.0000000 | 1 000000 | .0028454 | .0047021 | .0452431 |
| | | T.H. Laurie & D.N. Mills, Trustees | | |
| | | .728417% o | 1. 203736% o | 11.582241% o |

of 25/64 of 25/64 of 25/64 49/512

**Sec. 31:West erly 80 acres of of the most Westthe West 70 acres in Why NE's being 70 acres

53

T31N R7W

70.00

| | | | , | 1/28/58 | Co., et al | Production | Amoco | |
|----------|----------|----------|----------|----------|------------|------------|----------|--|
| | | | | | | | .0021533 | |
| .0002355 | .0000061 | .0000101 | .0000974 | .0001262 | .0000066 | .0005947 | .0010767 | |
| El Paso | T.H. Lau | Thayer H | Westland | OGP (De1 | Devon-B1 | B1ackwoo | Amoco Pr | |

| .728417% of 25/64 | . Mills, Tru | |
|----------------------------------|------------------------------------|--|
| 1.203736% of 25/64 | Thayer H. Laurie | |
| . 11.582241% of 25/64 | pment Corp | |
| 18.254717% x 86.485606% of 25/64 | OGP (Delaware) Inc. 95% x | |
| 18.254717% x 86.485606% of 25/64 | Devon-Blanco, Ltd. 5% x | |
| 81.745283% x 86.485606% of 25/64 | s Co., Ltd. | |
| 1/2 | Amoco Production Company | |
| | RIGHTS IN MESAVERDE FORMATION ONLY | |

121/2/1/*

None

| T L Lauria & D N Mills Thurstons | Thayer H. Laurie | Westland Oil Development Corp. | OGP (Delaware) Inc. | בעייוים ומוונט, בנמי |
|----------------------------------|------------------|--------------------------------|---------------------|----------------------|
| Twic+00 | | orp. | 95% | ر م |
| י | | | × | > |
| | | | 95% x 18.2547 | 7% × TO.C.147 |

.0021533

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

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

**Refers to description

by original survey, followed by descrip-

tion by re-survey underlined

| Page | , |
|--------|---|
| 59 | |
| 0 f | • |
| 89 | |

| Mecord Owner of Lease and Expiration Date | - |
|---|---|
| Tract Particip. Decimal | |
| Tract W.I. Particip, Decimal | |
| Working Interest Owner Under Option Agreement, Operating Agreement or Assignment | |
| | |
| Page 59 of 89 Percent Perce of Of Royalty ORRI | |
| Percert of ORRI | |

53, Cont.

PATENTED LANDS

Tract No. Description

No. of Acres

| .0452431 .0047021 .0028454 .0957031 1.0000000 | | .0609582 | .0032083 | .5000000 .2873398 |
|--|--|---|--|--|
| Westland Oil Development Corp. Thayer H. Laurie T.H. Laurie & D.N. Mills, Trustees Burk, Bakwin & Henry | | OGP (Delaware) Inc. 95% x 1 + 95% x 1 | Devon-Blanco, Ltd. 5% x 1 + 5% x 1 | ALL RIGHTS OTHER THAN MESAVERDE FORMATION Amoco Production Company Blackwood & Nichols Co., Ltd. 81.74 + 81.74 Subj |
| 11.582241% of 25/64 1.203736% of 25/64 .728417% of 25/64 49/512 | 25/20/20/20/20/20/20/20/20/20/20/20/20/20/ | 5% x 18.254/1/% of 1/2 of 1/8 of 8/8 of //512 Agnes M. Morgan, Trustee 5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512 18.254717% x 86.485606% of 25/64 18.254717% 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% Subject to Excess ORRI to: Agnes M. Morgan | MATION 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 1/2 of 8/8 of 7/512 |

12½%*

Tract

Description

No. of Acres

Expiration Lease and

Particip Decima

Owner of Record

Tract

| | | | | | | | • | | | | | | | | | | | | | |
|------|---|--|--|--------------------------------|--|--|-------------------|----------------------------------|-----------------|--|------------------------------------|------------------|-------------------------------------|----------------|--|--------------------|--|-----------------------|------------------------------------|----------------|
| | | | | | | | | | | | | | | | | | | 54 | | |
| | | | | | of Tract 51 | Westerly 80 acres | acres of the most | except the West | all of Tract 51 | of NW% NE%, being | on the East side | SW¼ NE½; 5 acres | East side of | 5 acres on the | NE½ SE¾. | **Sec. 31:SE% NE%, | | T31N R7W | | PATENTED LANDS |
| | | | | | • | | ``` | O | ' | , | | | | | | | | 90.00 | • | |
| | | | | | • | | | | | | | | | | 11/10/57 | Co., et al | Production | Amoco | | |
| | | | | | | | | | | | | | | · | | | | .0027686 | | |
| | | | | | | | | | | .0027686 | .0003028 | .0000079 | .0000130 | .0001253 | .0001622 | .0000085 | .0007646 | .0013843 | | |
| 105/ | Title to Oil and Gas Lease" executed by said parties as of January 1, | All as is more specifically provided in "Assignment Affecting Record | 4½¢ per Mcf thereafter and subject to suspension and conversion. | 3½¢ per Mcf for first 10 years | burdens) from Mesaverde formation only out of: | Payable from gas produced to this interest (net of royalties and other | A.M. Lloyd 1/8 | Nelson & Edward Morris, Ltd. 7/8 | | SUBJECT TO gas payment from these and other lands in total amount of | El Paso Natural Gas Company . 7/64 | 3 | Thayer H. Laurie 1.203736% of 25/64 | lopment Corp | OGP (Delaware) Inc. 95% x 18.254717% x 86.485606% of 25/64 | 1 | Blackwood & Nichols Co., Ltd. 81.745283% x 86.485606% of 25/64 | co Production Company | RIGHTS IN MESAVERDE FORMATION ONLY | |

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

1954.

.5000000 ALL RIGHTS OTHER THAN MESAVERDE FORMATION Amoco Production Company Blackwood & Nichols Co., Ltd. 81.74

.2873398

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 of 7/512 Subject to Excess ORRI to:

.0032083

Devon-Blanco, Ltd.

Agnes M. Morgan

Agnes M. Morgan, Trustee $5\% \times 18.254717\%$ of 1/2 of 1/8 of 8/8 of 7/5125% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512

Revised as of 5/19/86

| | | 54, Cont. | PATENTED LANDS | Tract No. Description Acres |
|--|---|---|----------------|---|
| | | | | Record Owner of Lease and Tract f Expiration Particip. Date Decimal |
| .0452431 .0047021 .0028454 .0957031 1.0000000 | | .0609582 | | Tract W.I. Particip. Decimal |
| Westland Oil Development Corp. Thayer H. Laurie T.H. Laurie & D.N. Mills, Trustees Burk, Bakwin & Henry | | 0GP (Delaware) Inc. 95% x + 95% x | | Working Interest Owner Under Option Agreement, Operating Agreement or Assignment |
| 11.582241% of 25/64 1.203736% of 25/64 .728417% of 25/64 49/512 | 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 | 95% x 18.254717% x 86.485606% of 25/64 + 95% x 18.254717% of 7/512 | | Page 61 of 89 Percent Percert of of of Royalty ORRI |

| evised as of 5/19/86 | **Refers to c followed by underlined. | 300LII 34 |
|----------------------|---|-----------------------------|
| 19/86 | **Refers to description by original survey, followed by description by resurvey underlined. | Souri 34 acres of fract 39. |
| | 4 | |

.0032083

Devon-Blanco, Ltd.

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

| | | | | <u>ភ</u> |
|---|--|--|--|---|
| **Refers to description by original survey, followed by description by resurvey underlined. | **Sec. 6:NW% SE%, South 14 acres of the SW% NE%, being the South 54 acres of Tract 39. | South 80 acres of the North 120 acres of Tract 40 | being the North 40 acres of Tract 49 T30N R7W **Sec. 7:E½ NW%, | PATENTED LANDS T31N R7W **Sec. 30:40 acres in the |
| otion by or ription by | the Tract 39. | ix | ,- | 74.00 |
| iginal s resurvey | | | 11/16/3/ | Amoco Production Company et al |
| urvey, | | | | .0053526 |
| .5000000 .2873398 | | | .0000252 | .0026763 .0014782 .0000165 .0003136 |
| ALL RIGHTS OTHER THAN MESAVERDE FORWALTON Amoco Production Company 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 | 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. | A.M. Lloyd A.M. Lloyd A.M. Lloyd 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. | Thayer H. Laurie 1.203736% of T.H. Laurie & D.N. Mills, Trustees .728417% of El Paso Natural Gas Company SUBJECT TO gas payment from these and other lands in total a \$1,100,000 payable to: Nelson & Edward Morris, Ltd. 7/8 | ONLY 81.745283% × 8 5% × 18.254717% × 8 95% × 18.254717% × 8 |
| 512 | | | | None |

Tract

Description

No. of Acres

Expiration Particip Date Decimal

Tract
W.I.
Particip.
Decimal

Working Interest Owner Under Option Agreement, Operating Agreement or Assignment

Page 62 of 89

of of Royalty ORRI Percent Percent

Record Owner of

Lease and

| | បា ម | Tract |
|---|---|---|
| | PATENTED LANDS | Description |
| | ΙO | No. of Acres |
| | | Record Owner of Lease and Expiration Date |
| | | Tract Particip. Decimal |
| .0452431 .0047021 .0028454 .0957031 | .0609582 | Tract W.I. Particip. Decimal |
| Westland Oil Development Corp. Thayer H. Laurie T.H. Laurie & D.N. Mills, Trustees Burk, Bakwin & Henry | OGP (Delaware) Inc. 95% x | Working Interest Owner Under Option Agreement, Operating Agreement or Assignment |
| Agnes M. Morgan 95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512 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 | 95% x 18.254717% x 86.485606% of 25/64 + 95% x 18.254717% of 7/512 | Page 63 of 89 Percent Percert of of of Royalty ORRI |

Lease and

Owner of Record

Operating Agreement or Assignment

Particip Decimal Tract Particip. Decimal Tract W.I.

Working Interest Owner Under Option Agreement,

None

PATENTED LANDS

**Sec. 30:40 acres in the

et al

11/10/57

.0000117 ,0000192 .000185 .000239

0040913

0004475

Company Production 56

T31N R7W

133.00

Amoco

.0040913

.0020456

Amoco Production Company

RIGHTS IN MESAVERDE FORMATION ONLY

,0000126 ,0011299

South 40 acres in

Tract 49

**Sec. 31:NE% NE%, being Tract 50 located

in Secs. 31 & 32

**Sec. 31:SW% SE%,

North 20 acres of Tract 52; and the

ract 39

T30N R7W

**Sec. 6:North 13 acres of

NW% NE%, being the South 13 acres of

the North 33 acres

Tract 39

**Refers to description by original survey, followed by description by

Revised as of 5/19/86

re-survey underlined.

| Tract |
|---|
| Description |
| No. of Acres |
| Record Owner of Lease and Expiration Date |
| Tract n Particip. P Decimal |
| Tract W.I. articip. Decimal |
| Working Interest Owner Under Option Agreement, Operating Agreement or Assignment |
| Page 65 of 89 Percent Percent of of OfR. |
| Percert of ORRI |

PATENTED LANDS

56, Cont.

| .0452431 .0047021 .0028454 .0957031 | .0609582 | .0032083 | .5000000 .2873398 |
|---|--|--|--|
| Westland Oil Development Corp. Thayer H. Laurie T.H. Laurie & D.N. Mills, Trustees Burk, Bakwin & Henry | + 5% x 1 0GP (Delaware) Inc. | :× н | ALL RIGHTS OTHER THAN MESAVERDE FORMATION Amoco Production Company Blackwood & Nichols Co., Ltd. 81.74 |
| 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 | Subject to Excess ORRI to: 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 18.254717% x 86.485606% of 25/64 18.254717% | Subject to Excess ORRI to: 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 Agnes M. Morgan, Trustee 81.745283% of 1/2 of 1/8 of 8/8 of 7/512 x 18.254717% x 86.485606% of 25/64 | MATION 1/2 81.745283% x 86.485606% of 25/64 |

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| **Refers to description by survey, followed by des by re-survey underlined. Revised as of 5/19/86 | PATENTED LAN **Sec. 6:South acres NW% NE% and 26 acres of NE%, being th North 53 acre the South 10 of Tract 39 | Tract No. Description |
|--|---|---|
| to description by original followed by description urvey underlined. | R7W 53.00 Amoco 6:South 27 Company acres of SW1/4 being the 53 acres of south 107 acres act 39 | Record Owner of Lease and No. of Expiration on Acres Date |
| | .0016304 on | d Tract on Particip. Decimal |
| .5000000 | .0008152 .0004503 .0000050 .0000955 .0000738 .0000077 .000001783 | Tract W.I. Particip. Decimal |
| ALL RIGHTS OTHER THAN MESAVERDE FORMATION Amoco Production Company Blackwood & Nichols Co., Ltd. | RIGHTS IN MESAVERDE FORMATION ONLY Amoco Production Company Blackwood & Nichols Co., Ltd. | Page 66 of Working Interest Owner Under Option Agreement, Operating Agreement or Assignment |
| 8/8 of 7/5: 8/8 of 7/5: 8/8 of 7/5: | 12½%* | 89 Percent of Royalty |
| '512 '512 '512 | None | Percert of ORRI |

PATENTED LAND

Description

57, Cont.

.004702 .0032083 ,0028454 045243 OGP (Delaware) Inc. Burk, Bakwin & Henry T.H. Laurie & D.N. Mills, Trustees Thayer H. Laurie Westland Oil Development Corp. 95% x 18.254717% x 86.485606% of 25/64 + 95% x 18.254717% of 7/512 Agnes M. 95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512 Subject to Excess ORRI to:

Sec. 7: Lots 10 and 11 Company et al 11/12/57 Amoco Production .0003290 .0000020 .0001817 ,0000386 0000019 000003 0000297 OGP (Delaware) Inc. Devon-Blanco, Ltd. Blackwood & Nichols Co., Ltd Amoco Production Company RIGHTS IN MESAVERDE FORMATION ONLY Westland Oil Development Corp hayer H. Laurie 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

58

SUBJECT TO gas payment from these and other lands in total amount of \$1,100,000 payable to:

Nelson & Edward Morris, Ltd. 7/8 Paso Natural Gas Company H. Laurie & D.N. Mills, Trustees

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

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, 3½¢ per Mcf for first 10 years

| 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 |
| Page 68 of 89 Percent Percen of of Royalty ORRI |
| Percert of ORRI |

PATENTED LANDS

Tract

Description

No. of Acres

58, Cont.

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.0452431
.0000000
                                           .002845
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                                                                                                                                                                                                                                          0609582
                                                                                                                                                                                                                                                                                                                                                                                                0032083
                      095703
                                                                                                                                                                                                                                         OGP (Delaware) Inc.
                                                                                                                                                                                                                                                                                                                                                                                                Devon-Blanco, Ltd.
                   Burk, Bakwin & Henry
                                                           Westland Oil Development Corp. Thayer H. Laurie
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Blackwood & Nichols Co., Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Amoco Production Company
                                      T.H. Laurie & D.N. Mills, Trustees
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ALL RIGHTS OTHER THAN MESAVERDE FORMATION
                                                                                                                                                                                                                  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%
                                                                                                                                                                                                                                                                                                    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
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1/2
81.745283% x 86.485606% of 25/64
81.745283% of 7/512
Subject to Excess ORRI to:
Agnes M. Morran
                                                                                                                                                                                                                                                                                                                                                                                                             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
                                                                                                       Agnes M. Morgan, Trustee 95\% \times 18.254717\% of 1/2 of 1/8 of 8/8 of 7/512
                                                                                                                                                   Agnes M. Morgan 95\% \times 18.254717\% of 1/2 of 1/8 of 8/8 of 7/512
                                                                                                                                                                                         Subject to Excess ORRI to:
                                                            1.582241% of 25/64
1.203736% of 25/64
                                          728417% of 25/64
                   49/512
```

| **Refers to description by original survey, followed by descrip- tion by re-survey underlined. Revised as of 5/19/86 | PATENTED LANDS T30N R7W **Sec. 7:5½ NE½ SW½, being the South 20 acres of Tract 40. **Sec. 7: East 80 and acres of **Sec. 8: Tract 41 **Sec. 8: North 40 acres of Tract 42. |
|---|--|
| .5000000 | .0021534 .0011893 .0000133 .0002523 .0000203 .0000123 .0004710 |
| ALL RIGHTS OTHER THAN MESAVERDE FORMATION Almoco Production Company Blackwood & Nichols Co., Ltd. Blackwood & Nichols Co., Ltd. Agnes M. Morgan Bl.745283% Agnes M. Morgan Bl.745283% Agnes M. Morgan, Trustee Bl.745283% Bl.745283% Agnes M. Morgan, Trustee Subject to Excess ORRI to: Agnes M. Morgan, Trustee Bl.745283% Agnes M. Morgan Sw. x 18.254717% Agnes M. Morgan Sw. x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512 Agnes M. Morgan Sw. x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512 Agnes M. Morgan, Trustee Sw. x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512 Agnes M. Morgan, Trustee Sw. x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512 | RIGHTS IN MESAVERDE FORMATION ONLY Amoco Production Company Blackwood & Nichols Co., Ltd. Blackwood & Nichols Co., Ltd. Devon-Blanco, Ltd. OGP (Delaware) Inc. Westland Oil Development Corp. Thayer H. Laurie T.H. Laurie & D.N. Mills, Trustees SUBJECT TO gas payment from these and other lands in total amount of \$1,100,000 payable to: Nelson & Edward Morris, Ltd. 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

Record
Owner of
Lease and Tract
Expiration Particip.
Date Decimal

Tract W.I.

Particip. Decimal

Working Interest Owner Under Option Agreement, Operating Agreement or Assignment

Page 69 of 89

Percent Percert of of Royalty ORRI

| 60 | 59, C | Tract |
|--|--|--|
| T30N R7W **Sec. 7:Nz SEz Swz, being North 20 acres of the South 40 acres Tract 40. **Sec. 8:SWz Swz, and being part Sec. 17:of Tract 42. **Sec. 7:80 acres in and West part of Sec. 18: Tract 41. | PATENTED LANDS | Description |
| 140.00 the acres ing part ing | | No. of Acres |
| Amoco Production Company et al 11/10/57 | | Santa Fe Serial No., Lease Date, & Record Holder |
| .0043067 | | Tract Particip. Decimal |
| .0021534 .0011893 .0000133 .0002523 .0001948 .0000203 .0004710 | .0609582 .0452431 .0047021 .0028454 .0957031 | Tract W.I. Particip. Decimal |
| RIGHTS IN MESAVERDE FORMATION ONLY Amoco Production Company Blackwood & Nichols Co., Ltd. 81.745283% 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 Thayer H. Laurie 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 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. | 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 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 Thayer H. Laurie Thayer H. Laurie & D.N. Mills, Trustees Burk, Bakwin & Henry | Page 70 of 89 Working Interest Owner Under Option Agreement, Operating Agreement or Assignment |

| i | Page |
|--------------------------|----------|
| | 71 of 89 |
| | 9 |
| Percent of Royalty | 89 |
| Percent of ORRI | |

PATENTED LANDS

Tract No. Description

> No. of Acres

Santa Fe Serial No., Lease Date, & Record F Holder

Tract
Particip
Decimal

Particip.
Decimal

Working Interest Owner Under Option Agreement, Operating Agreement or Assignment

Tract W.I.

60, Cont.

| .0452431 .0047021 .0028454 .0957031 | .0609582 | .0032083 | .5000000 .2873398 |
|---|---|---|---|
| Agnes Agnes 95% x Westland Oil Development Corp. Thayer H. Laurie T.H. Laurie & D.N. Mills, Trustees Burk, Bakwin & Henry | Subject to Agnes M. I 5% x 18.: 5% x 18.: 5% x 18.: 5% x 18.: 0GP (Delaware) Inc. 95% x 18.254717% + 95% x 18.254717% | | ALL RIGHTS OTHER THAN MESAVERDE FORMATION Amoco Production Company Blackwood & Nichols Co., Ltd. + 81 745283% |
| Agnes M. Morgan 95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512 Agnes M. Morgan, Trustee 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 | o Excess ORRI Morgan 254717% of 1/2 254717% of 1/2 Morgan, Truste 254717% of 1/2 x 86.485606% | o Excess ORRI Morgan 745283% of 1/2 Morgan, Truste 745283% of 1/2 x 86.485606% | ATION 1/2 81.745283% x 86.485606% of 25/64 81.745283% x 86.485606% of 25/64 |

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| Re v | 61 | Tract |
|---|--|--|
| **Refers to descripti by original survey, followed by descrip tion by resurvey underlined. | PATENTED LANDS T30N R7W **Sec. 17:5½ NW½, N½ SW¼, being Tracts 43 and 44. | Description |
| to description inal survey, d by descrip-resurvey ned. | 160.00 | No. of Acres |
| | Amoco Production Co., et al 11/12/57 | Record Owner of Lease and Expiration Date |
| | .0049219 | Tract Particip. Decimal |
| .5000000 | .0024610 .0013593 .0000152 .0002883 .0000227 .0000231 .0000140 .0005383 .0049219 | Tract W.I. Particip. Decimal |
| ALL RIGHTS OTHER THAN MESAVERDE FORMATION Almoco Production Company Blackwood & Nichols Co., Ltd. Agnes M. Morgan Bl.745283% Agnes M. Morgan Bl.745283% of 1/2 of 1/8 of 8 Agnes M. Morgan, Trustee Bl.745283% of 1/2 of 1/8 of 8 Agnes M. Morgan Bl.745283% x 18.254717% of 1/2 of 1/8 of 8 Agnes M. Morgan, Trustee Bl.745283% x 18.254717% of 1/2 of 1/8 of 8 Agnes M. Morgan, Trustee Bl.745283% x 18.254717% of 1/2 of 1/8 of 8 Agnes M. Morgan, Trustee Bl.745283% x 18.254717% of 1/2 of 1/8 of 8 | RIGHTS IN MESAVERDE FORMATION ONLY Amoco Production Company Blackwood & Nichols Co., Ltd. Blackwood & Nichols Company Blackwood Company Blackwood & Nichols Company Blackwood Company Blackwood & Nichols Company Blackwood Company B | Page 72 of 89 Working Interest Owner Under Option Agreement, Operating Agreement or Assignment |
| 8/8 of 7/512 8/8 of 7/512 8/8 of 7/512 8/8 of 7/512 | 12½%* | rcent of yalty |
| 512 512 | None . | Percert of ORRI |

| | Page |
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| | 01 |
| 7 | 89 |

Royalty Percent Percert ORRI

Description Expiration

61, Cont.

PATENTED LANDS

No. of Acres

Tract

Owner of

Lease and

Particip Decima

Tract

Particip. Tract W.I.

Decimal

Working Interest Owner Under Option Agreement, Operating Agreement or Assignment

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

0609582

OGP (Delaware) Inc.

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

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

,095703:

045243

Westland Oil Development Corp.

.0028454

.004702 T.H. Laurie & D.N. Mills, Trustees Thayer H. Laurie

Burk, Bakwin & Henry

62

T30N R7W

80.00

.0024609

0024609 0002692

,0000070

.0001113 .0001442 .0000076 .0006796 .0012304

> OGP (Delaware) Inc. Devon-Blanco, Ltd.

Westland Oil Development Corp.

Blackwood & Nichols Co., Ltd.

Amoco Production Company

12½%*

None

RIGHTS IN MESAVERDE FORMATION ONLY

0000116

**Being part of

Sec. 18:NE% NE%

Sec. 17:NW% NW%

11/10/57 Co., et al Production Amoco

H. Laurie & D.N. Mills, Trustees

Thayer H. Laurie

Paso Natural Gas Company 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
stees .728417% of 25/64

SUBJECT TO gas payment from these and other lands in total amount of \$1,100,000 payable to:

Nelson & Edward Morris, Ltd. 7/8

7/8 1/8

A.M. Lloyd

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

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. 3½¢ per Mcf for first 10 years

Revised as of 5/19/86

tion by re-survey underlined.

**Refers to description

by original survey, followed by descrip-

| - | Tract |
|---|---|
| | Tract No. Description |
| | No. of Acres |
| | Record Owner of Lease and Expiration Date |
| | Tract Particip. F Decimal |
| | Tract W.I. Particip. Decimal |
| | Tract W.I. p. Particip. Working Interest Owner Under Option Agreement, l Decimal Operating Agreement or Assignment |
| | Page 74 of 89 Percent of Royalty |
| | Percert of ORRI |

PATENTED LANDS

62, Cont.

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| tland yer f Lau k, Ba | | (Del | | on-B1 | | RIGH CO Pr |
| d Oil f. La urie akwin | | awar | | anco | | oduc 8 1 |
| Westland Oil Develop Thayer H. Laurie T.H. Laurie & D.N. M Burk, Bakwin & Henry | | OGP (Delaware) Inc. | | Devon-Blanco, Ltd. | | THER tion licho |
| Westland Oil Development Corp. Thayer H. Laurie T.H. Laurie & D.N. Mills, Trus Burk, Bakwin & Henry | | c. | | • | | ALL RIGHTS OTHER THAN MESAVERI Amoco Production Company Blackwood & Nichols Co., Ltd. |
| ent C 11s, | | | | | | MESA any |
| Westland Oil Development Corp. Thayer H. Laurie T.H. Laurie & D.N. Mills, Trustees Burk, Bakwin & Henry | | + | + | | | ALL RIGHTS OTHER THAN MESAVERDE FORMATION Amoco Production Company Blackwood & Nichols Co., Ltd. 81.74 |
| tees | | 95 % × × | % × | 5% × | + | FOR |
| | Subject Agnes 95% x 95% x | | 18.2547 Subjec Agnes 5% x | Agnes N 8 5% x 18.25471 | 81./45283% Subject to Agnes M. 81. | MATIO 81.7 |
| | Subject Agnes M 95% x 18 Agnes M Agnes M | Agnes M 5% x 18 18.25471: 18.25471: | 8.254717 Subject Supject Agnes M. 5% x 18 | es M: 8: 5471 | 1./45283 Subject Agnes M. 81 | 4528: |
| | t to Excess ORRI to: M. Morgan 18.254717% of 1/2 of M. Morgan, Trustee 18.254717% of 1/2 of | M. Mor 18.254 17% x 17% | of t to Excess ORRI to: M. Morgan 18.254717% of 1/2 of | . Mor 1.745 7% × | 83% of t to Excess ORRI to: M. Morgan 81.745283% of 1/2 of | χ × |
| 11.58 1.20 .7 | xces: gan 717% gan, 717% | gan, 717% 86.48 | xcess gan 717% | gan, 283% 86.48 | xcess gan 283% | 86.48 |
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| % % % Of f | I to: /2 of tee /2 of | tee /2 of % of of | of I to: /2 of | tee /2 of % of | 0† I to: /2 of | % of |
| 11.582241% of 25/64 1.203736% of 25/64 .728417% of 25/64 49/512 | 1/8 | e of 1/8 of 25/64 of 7/512 | of 7/512 to: 2 of 1/8 | M. Morgan, Trustee 81.745283% of 1/2 of 1/8 17% x 86.485606% of 25/64 | of //512 to: 2 of 1/8 | 1/2 81.745283% x 86.485606% of 25/64 |
| 2444 | of 8 | of 8 | of 8 | of 8 | of 8 | , +- |
| | t to Excess ORRI to: M. Morgan M. Morgan 18.254717% of 1/2 of 1/8 of 8/8 of 7/512 M. Morgan, Trustee 18.254717% of 1/2 of 1/8 of 8/8 of 7/512 | M. Morgan, Trustee 18.254717% of 1/2 of 1/8 of 8/8 of 7/512 117% x 86.485606% of 25/64 117% of 7/512 | 17% of 7/512 t to Excess ORRI to: M. Morgan 18.254717% of 1/2 of 1/8 of 8/8 of 7/512 | M. Morgan, Trustee 81.745283% of 1/2 of 1/8 of 8/8 of 7/512 17% x 86.485606% of 25/64 | /8 of | |
| | f 7/5 | f 7/5 | • 7/5 | F 7/5 | 7/5 | |
| | 12 | 12 | 12 | 12 | 12 | |

| 63 | Tract |
|---|--|
| PATENTED LANDS T30N R7W Sec. 18:S½ SE¼, Co., et all NW¼ SE½ 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 independent 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. | t Description |
| 116.28 to plat of Surveyor Plat of Surveyor Plat of plat of plat of the plat | No. of Acres |
| Amoco Production Co., et al 9/1/53 9/1/53 f survey General's exico, on Iso described 17, 18, 19 17, 18, 19 at of inde- with the ce, Santa 19, 1915, cres, more THE SAN COUNTY, | Owner of Lease and Expiration Date |
| .0035770 | Tract Particip. Decimal |
| .0012520 .0010016 .0009357 .00001985 .0001533 .0000153 .0000096 .00035770 .3500000 .2815823 .0029207 .0554938 .0428543 .0044538 .0026951 | Tract W.I. Particip. Decimal |
| RIGHTS IN THE MESAVERDE FORMATION ONLY Amnoco Production Company El Paso Natural Gas Company Blackwood & Nichols Co., Ltd. Devon-Blanco, Ltd. OGP (Delaware) Inc. Westland Oil Development Corp. Thayer H. Laurie & D.N. Mills, Trustees ALL RIGHTS OTHER THAN MESAVERDE FORMATION El Paso Natural Gas Company El Paso Natural Gas Company Blackwood & Nichols Co., Ltd. Devon-Blanco, Ltd. OGP (Delaware) Inc. Westland Oil Development Corp. Thayer H. Laurie Blanco, Mills, Trustees Trustees 35% 1.203736% of 37% 35% 28% 81.745283% x 86.485606% of 37% 28% 81.745283% x 86.485606% of 37% 28% 11.582241% of 37% Thayer H. Laurie Thayer H. Laurie & D.N. Mills, Trustees | Page 75 of 89 Working Interest Owner Under Option Agreement, Operating Agreement or Assignment |
| None | f 89 Percent of Royalty |
| None | Percent of ORRI |

Record
Owner of
Lease and
Expiration
Date

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| Re v | 64 | Tract |
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| **Refers to description by original survey, followed by description by resurvey underlined. | PATENTED LANDS T30N R7W **Sec. 19:W½ NE¾, being part of Tract 4 | Description |
| to description inal survey, d by descrip-resurvey ned. | 46. 80.00 | No. of Acres |
| | Amoco Production Co., et al 11/10/57 | Record Owner of Lease and Expiration Date |
| | .0024609 | Tract Particip. Decimal |
| .5000000 | .0012304 .0006796 .0000076 .0001142 .0001113 .0000116 .0002692 .0024609 | Tract W.I. Particip. Decimal |
| ALL RIGHTS OTHER THAN MESAVERDE FORMATION Amoco Production Company Blackwood & Nichols Co., Ltd. | RIGHTS IN MESAVERDE FORMATION ONLY Amoco Production Company Blackwood & Nichols Co., Ltd. Blackw | Page 76 of 8 Working Interest Owner Under Option Agreement, Operating Agreement or Assignment |
| 1/2 5/64 7/512 1/8 of 8/8 of 7/51 1/8 of 8/8 of 7/51 5/64 7/512 1/8 of 8/8 of 7/51 1/8 of 8/8 of 7/51 | 122% ** | 89 Percent of Royalty |
| 7/512 7/512 7/512 7/512 | None | Percert of ORRI |

Working Interest Owner Under Option Agreement,

Operating Agreement or Assignment

Tract

Description

PATENTED LANDS 64, Cont.

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..0000000
                                                          .0452431
                                       .0028454
                                                                                                                                                                                                                          .0609582
                   0957031
                                                                                                                                                                                                                      OGP (Delaware) Inc.
                 Burk, Bakwin & Henry
                                     T.H. Laurie & D.N. Mills, Trustees
                                                                             Westland Oil Development Corp.
                                                        Thayer H. Laurie
                                                                                                                                                                                                 18.254717% × 86.485606% of 25/64 18.254717% of 7/512
                                                                                                                                    Agnes M. Morgan
95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512
                                                                                               95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512
                                                                                                                     Agnes M. Morgan, Trustee
                                                                                                                                                                                Subject to Excess ORRI to:
                                  11.582241% of 25/64
1.203736% of 25/64
.728417% of 25/64
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T30N R7W

43.72 Amoco
Production

Sec. 18:5½ SE¼,
NW½ SE¾
Production

Co., et al
NW½ SE¾
Production

Co., et al
N003715

Co., et al
N000041
NW½ SE¾
Production

County, NEW Amoco
Production
Occurred
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65

| | | RIGHTS IN MESAVERDE FORMATION ONLY | | |
|------------------|----------|--|--------------------------------------|-------|
| .0013449 | .0006725 | Amoco Production Company | | 121%* |
| ction | .0003715 | Ltd. | x 86.485606% of 25/64 | , |
| et al | .0000041 | | of. | |
| <u></u> | .0000788 | OGP (Delaware) Inc. 95% x 1 | x 86.485606% of | |
| | .0000608 | Westland Oil Development Corp. | | |
| | .0000063 | Thayer H. Laurie | | |
| | .0000038 | T.H. Laurie & D.N. Mills, Trustees | of. | |
| ey filed | .0001471 | El Paso Natural Gas Company | | |
| ffice, Santa | .0013449 | SUBJECT TO gas payment from these a | and other lands in total amount of | |
| , 1882, and | | \$1,100,000 payable to: | | |
| Sections 17, 18, | | Nelson & Edward Morris, Ltd. | 7/8 | |
| of independent | | A.M. Lloyd | 1/8 | |
| eyor General's | | Payable from gas produced to this i | interest (net of royalties and other | |
| on July 19, | | burdens) from Mesaverde formation only out | only out of: | |
| | | | • | |

None

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

42¢ per Mcf thereafter and subject to suspension and conversion.

3½¢ per Mcf for first 10 years

| Tract No. Description | Record Owner of Lease and Tr No. of Expiration Part Acres Date Dec | Tract W.I. Particip. Particip. Decimal Decimal | Page 78 of 89 Working Interest Owner Under Option Agreement, Operating Agreement or Assignment Royalty ORRI |
|--------------------------|--|--|---|
| PATENTED LANDS | | | |
| 65, Cont. | | .5000000 | ALL RIGHTS OTHER THAN MESAVERDE FORMATION Amoco Production Company 1/2 |
| | | | + 81.7452 Subjec Agnes Agnes |
| | | 0032083 Devon- | 81./45283% of 1/2 of 1/8 of 8/8 of //512 Devon-Rianco td |

| .0957031 1.0000000 | .0028454 | .004702 | .0452431 | | | | | | | .0609582 | | | | , | | | .0032083 | | | | | | | .2873398 | .5000000 | |
|-----------------------|-----------------------------------|--------------------|--------------------------------|--|--------------------------|--|-----------------|----------------------------|-----------------------|------------------------------------|---|--------------------------|---|-----------------|----------------------------|-----------------------|------------------------------------|--|--------------------------|--|-----------------|----------------------------|-----------------------|----------------------------------|----------|---|
| Burk, Bakwin & Henry | T.H. Laurie & D.N. Mills, Trustee | l Thayer H. Laurie | Westland Oil Development Corp. | | | | | | + 95% | OGP (Delaware) Inc. 95% | | | | | | + | Devon-Blanco, Ltd. 5% | | | | | | | | | THE RESIDENCE OF THE PROPERTY |
| 49/512 | .728417% of 25/64 | 1.203736% of 25/64 | 11.582241% of 25/64 | 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 | Agnes M. Morgan | Subject to Excess ORRI to: | x 18.254717% of 7/512 | x 18.254717% x 86.485606% of 25/64 | 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 | Agnes M. Morgan | Subject to Excess ORRI to: | x 18.254717% of 7/512 | x 18.254717% x 86.485606% of 25/64 | 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 | Agnes M. Morgan | Subject to Excess ORRI to: | + 81.745283% of 7/512 | 81.745283% x 86.485606% of 25/64 | 1/2 | |

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| Page 79 of 89 Particip Part | | , , | | |
|--|--|---|--|--|
| Description Acres Description Acres Description Acres Description Acres Description Acres Description Acres Description Decimal | | · | 66 | Tract |
| Record Owner of Owner | | 4:E ₂ | RZW | |
| Record Owner of M.I. Lesse and Particip. Parti | | | 80.00 | No. of Acres |
| Page 79 of 89 Fract W.I. W.I. W.I. Will Will Rarticip Working Interest Owner Under Option Agreement, Operating Agreement or Assignment Operating Agreement or Assignment RIGHTS IN MESAVERDE FORMATION ONLY O001352 ROBE (Delaware) Inc. O002227 Westland of 1 Development Corp. SSX 18.254717% x 86.485606% of 25/32 11.852471 of 25/32 12%** O002231 Thayer H. Laurie Nelson & Edward Morris, Ltd. Nelson & Edward Morris, Ltd. A.M. Lloyd A.M. Lloyd Payable from gas produced to this interest (net of royalties and other burdens) from Mesaverde formation only out of: All as is more specifically provided in "Assignment Affecting Record Title to 0il and Gas Lease" executed by said parties as of January 1, 1954. All RIGHTS OTHER THAN MESAVERDE FORMATION Blackwood & Nichols Co., Ltd. Blackwood & Nichols Co., Ltd. Subject to Excess ORRI to: Agnes M. Morgan, Trustee 1.7256 Subject to Excess ORRI to: Agnes M. Morgan, Trustee 1.7256 Subject to Excess ORRI to: Agnes M. Morgan, Trustee Six 18.254717% of 1/2 of 1/8 of 8/8 of 7/2 of 1/8 of 8/8 | | Co., Ltd. et al 6/16/56 | ļ | Record Owner of Lease and Expiration Date |
| Working Interest Owner Under Option Agreement, Operating Agreement or Assignment RIGHTS IN MESAVERDE FORMATION ONLY Blackwood & Wichols Co., Ltd. Devon-Blanco, Ltd. S% X 18.254717% x 86.485606% of 25/32 Westland Oil Development Corp. There H. Laurie T.H. Laurie & D.N. Mills, Trustees T.H. Laurie & D.N. Mills, Trustee T.H. Laurie & D.H. Mills, Trustee T.H. Laurie T.H. Mills, Trustee T.H. Mills, Truste | , | | .0024609 | Tract Particip. Decimal |
| Page 79 of 89 Percent Page 79 of 89 Percent Of ing Agreement or Assignment Page 79 of 89 Percent Of ing Agreement or Assignment Page 79 of 89 | .5746796 | .0002883 .0002227 .0000231 .0000140 .0005383 | .0013593 | Tract W.I. Particip. Decimal |
| of ORRI | ## 1.745283% x 86.485606% of 25/32 ## 81.745283% x 86.485606% of 25/32 ## 81.745283% x 86.485606% of 25/32 ## 81.745283% x 86.485606% of 25/32 ## Agnes M. Morgan, Trustee ## 81.745283% of 1/2 of 1/8 of 8/8 of 8/8 of 1/2 of 1/8 of 8/8 of 1/2 of 1/8 of 8/8 of 1/2 of 1/8 of 8/8 of 5% x 18.254717% x 86.485606% of 25/32 ## Agnes M. Morgan ## 5% x 18.254717% of 1/2 of 1/8 of 8/8 of 1/8 of 8/8 of 1/2 of 1/2 of 1/8 of 8/8 of 1/2 of 1/2 of 1/8 of 8/8 of 1/2 of 1/2 of 1 | OGP (Delaware) Inc. 95% x 18.254717% x 86.485606% of 25/ Westland Oil Development Corp. 11.582241% of 25/ Thayer H. Laurie T.H. Laurie & D.N. Mills, Trustees 1.203736% of 25/ T.H. Laurie & D.N. Mills, Trustees 1.203736% of 25/ 25/ SUBJECT TO gas payment from these and other lands in total amoun \$1,100,000 payable to: Nelson & Edward Morris, Ltd. 1/8 Payable from gas produced to this interest (net of royalties and burdens) from Mesaverde formation only out of: 3½¢ per Mcf for first 10 years 4½¢ per Mcf thereafter and subject to suspension and convers All as is more specifically provided in "Assignment Affecting Re Title to Oil and Gas Lease" executed by said parties as of Janua 1954. | RIGHTS IN MESAVERDE FORMATION ONLY Blackwood & Nichols Co., Ltd. 81.745283% x 86.485606% of 25/32 12½%* Devon-Blanco, 1td. 5% x 18.254717% x 86.485606% of 25/32 | Page 79 of 89 Working Interest Owner Under Option Agreement, Operating Agreement or Assignment |
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T30N R7W Sec. 4: W2 SW3

80.00 UNLEASED

NOT COMMITTED

12-1/5% Saul A. Yeager et al

| | 66, (| Tract |
|--|--|---|
| | PATENTED LANDS | Description |
| | | No. of Acres |
| | | Record Owner of Lease and Expiration Date |
| | | Tract Particip. Decimal |
| .0904862 .0094042 .0056908 .1914062 | .1219163 | Tract W.I. Particip. Decimal |
| Westland Oil Development Corp. Thayer H. Laurie T.H. Laurie & D.N. Mills, Trustees Burk, Bakwin & Henry | OGP (Delaware) Inc. 95% x + 95% x | Working Interest Owner Under Option Agreement, Operating Agreement or Assignment |
| 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 | 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: | Page 80 of 89 Percent Percert of of of Royalty ORRI |

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| 7A1 **Sec Not of the part of | Tract |
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| N R7W 3. 6:SE% S being th 40 acr Tract 40. Refers to acrigina followed being original followed being as of 5/: | Description |
| 40.00 W4, the ess description 1 survey, y descrip- i-survey 1. | No. of Acres |
| Amoco Production Co., et al 4/14/58 4/15/58 | Record Owner of Lease and Expiration Date |
| .0012305 | Tract Particip. Decimal |
| .0006152 .0003398 .0000038 .00000557 .0001346 .0012305 | Tract W.I. Particip. Decimal |
| RIGHTS IN MESAVERDE FORMATION ONLY Amoco Production Company 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 Devon-Blanco, Ltd. 5% x 18.254717% x 86.485606% of 25/64 Devon-Blanco, Ltd. 5% x 18.254717% x 86.485606% of 25/64 Devon-Blanco, Ltd. 7% x 12.23736% of 25/64 L1.203736% of 25/64 | Page 81 of 89 Working Interest Owner Under Option Agreement, of Operating Agreement or Assignment |
| %* None of 7/512 of 7/512 of 7/512 | Percert of ORRI |

Royalty

Percert

Particip. Decimal W.I. Operating Agreement or Assignment Working Interest Owner Under Option Agreement,

PATENTED LANDS

Description

Acres

Expiration Lease and Owner of Record

Particip Decimal

Tract

68, Cont.

..0000000 .002845 .004702 .0609582 045243 095703 OGP (Delaware) Inc. Burk, Bakwin & Henry Westland Oil Development Corp. Thayer H. Laurie T.H. Laurie & D.N. Mills, Trustees + 95% × 18.254717% 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 Subject to Excess ORRI to: 95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512 Agnes M. Morgan, Trustee 11.582241% of 25/64 1.203736% of 25/64 .728417% of 25/64

Co. , et al 12/15/57 .0002900 .0000340 .0000018 .0000016 .0000262 0000027 Amoco Production Company RIGHTS IN MESAVERDE FORMATION ONLY Devon-Blanco, Ltd. Blackwood & Nichols Co., Ltd.

69

T30N R8W

18.85

Amoco

Production

of the NE% 18.85 acres

Sec. 13:The

East

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

Nelson & Edward Morris, Ltd. 7/8 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

121/2/1/*

None

A.M. Lloyd

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,

Revised as of 5/19/86

| Tract |
|--|
| Tract No. Description |
| No. of Acres |
| Record Owner of Lease and Expiration Date |
| Tract Particip. Decimal |
| |
| Tract W.I. Particip. Working Interest Owner Under Option Agreement, Decimal Operating Agreement or Assignment |
| Page 83 of 89 Percent Percen of of Royalty ORRI |
| |

PAIENIED

| .04 .00 .00 1.00 | | .060 | .003 | .50C .287 |
|--|---|--|---|--|
| .0452431 .0047021 .0028454 .0957031 | | .0609582 | .0032083 | .5000000 .2873398 |
| Westland Oil Development Corp. Thayer H. Laurie T.H. Laurie & D.N. Mills, Trustees Burk, Bakwin & Henry | | OGP (Delaware) Inc. 95% x + 95% x | Devon-Blanco, Ltd. 5% x + 5% x | ALL RIGHTS OTHER THAN MESAVERDE FORMATION Amoco Production Company Blackwood & Nichols Co., Ltd. + 81.74 Subj |
| p. 11.582241% of 25/64 1.203736% of 25/64 ustees .728417% of 25/64 49/512 | 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 | Agnes M. Morgan, Trustee 5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/512 18.254717% x 86.485606% of 25/64 18.254717% of 7/512 | Agnes M. Morgan, Trustee 81.745283% of 1/2 of 1/8 of 8/8 of 7/512 18.254717% x 86.485606% of 25/64 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 | MATION 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 |

| R P < 1 | | 70 | Tract |
|--|--|--|--|
| Revised as of 5/19/86 | s of the N SE% except 100 ft. the nd except he SW corn eof and the cres of the | PATENTED LANDS T30N R8W Sec 13. The West | Description |
| 2 | the the here- 2 acres er East e East | 120.15 | No. of Acres |
| | 11/17/57 | Amoco Production | Record Owner of Lease and Expiration Date |
| <i>;</i> | | .0036960 | Tract Particip. Decimal |
| .5000000 | .0002166 .0001672 .0000174 .0000105 .0004042 .0036960 | .0018480 | Tract W.I. Particip. Decimal |
| ALL RIGHTS OTHER THAN MESAVERDE FORMATION Amoco Production Company Blackwood & Nichols Co., Ltd. | laware) Inc. 95% x 18.254717% x 86.485606% of 25/6 d 0il Development Corp. 11.582241% of 25/6 l. 1.582241% of 25/6 l. 2017 l. 203736% of 25/6 l. 2017 l. 2 | ONLY | Page 84 Working Interest Owner Under Option Agreement, Operating Agreement or Assignment |
| of 8/8 of 5 8/8 of 8/8 of 6 | other | 12½%* | of 89 Percent of Royalty |
| 7/512 7/512 7/512 7/512 | | None | Percent of ORRI |

| | <u>PAT</u> 70, Cont. | Tract |
|---|---|---|
| | PATENTED LANDS | Description |
| | | No. of Acres |
| | | Record Owner of Lease and Expiration Date |
| . 3 | | Tract Particip. Decimal |
| .0452431 .0047021 .0028454 .0957031 | .0609582 | Tract W.I. Particip. Decimal |
| Westland Oil Development Corp. Thayer H. Laurie T.H. Laurie & D.N. Mills, Trustees Burk, Bakwin & Henry | 0GP (Delaware) Inc. 95% x + 95% x | Working Interest Owner Under Option Agreement, Operating Agreement or Assignment |
| 95% x 18.254/1/% OT 1/2 OT 1/8 OT 8/8 OT 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 es .728417% of 25/64 49/512 | 95% x 18.254717% x 86.485606% of 25/64 + 95% x 18.254717% of 7/512 Subject to Excess ORRI to: | Page 85 of 89 Percent Percert of of of Royalty ORRI |

NOT COMMITTED

71

T30N R8W

6.80 UNLEASED

Sec. 13:3.4 acres out of W½ NW¼ SE¼ and the West 100 ft. of NE¼ SE¼

Manuel E. Martinez

14.45 acres of W½ NE¾, West 61.15 acres of E½ NE¾

12½%* None

1.0000000

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

| | | Page 86 o |
|---------------|---------|-----------|
| of Royalty | Percent | of 89 |
| of ORRI | Percert | |

Tonita Martinez

None

| PATENTED LANDS 72 T30N R8M 2.00 UNLEASED NOT COMMITTED Sec. 13:2 acres in SW cormer of NE½ SE½ 73 T30N R8M 75.60 Northwest .0023256 Northwest Pipeline Corporation - ALL Pipeline Corporation - ALL Corporation 1.0000000 Northwest Pipeline Corporation - ALL Northwest Pi | Tract | 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 |
|--|-------|-----------------------|-----------------|---|-------------------------------|---------------------------------------|---|
| T30N R8W 2.00 UNLEASED Sec. 13:2 acres in SW Corner of NE% SE% T30N R8W 75.60 Northwest .0023256 .0023256 .0023256 Pipeline Sec. 13:East Corporation 1.0000000 1.0000000 | | PATENTED LANDS | | | | | |
| Sec. 13:2 acres in SW corner of NE% SE% T30N R8W 75.60 Northwest .0023256 .0023256 Pipeline Sec. 13:East 14.45 11/1/56 1.0000000 | 72 | T30N R8W | 2.00 | UNLEASED | | | NOT COMMITTED |
| T30N R8W T30N R8W Sec. 13:East 14.45 T30N R8W T3 | | Sec. 13:2 acres in SW | | | | | |
| T30N R8W 75.60 Northwest .0023256 .0023256 Pipeline Sec. 13:East Corporation 1.0000000 | | | | | | | |
| T30N R8W 75.60 Northwest .0023256 .0023256 Pipeline Sec. 13:East Corporation 14.45 11/1/56 1.0000000 | | | | | | | |
| Corporation 1.0000000 | 73 | T30N R8W | 75.60 | Northwest | .0023256 | .0023256 | |
| | | Sec. 13:East 14.45 | | Corporation 11/1/56 | | 1.0000000 | RIGHTS ABOVE THE MESAVERDE FORMATION Northwest Pipeline Corporation - ALL |

| DS . | |
|-----------|---|
| 155.60 | No. of Acres |
| Northwest | Record Owner of Lease and Expiration Date |
| .004786 | Tract Partici; Decima |

Particip.

Decimal

Working Interest Owner Under Option Agreement, Operating Agreement or Assignment

Tract

o.

Description

Tract

74

Page 87 of 89

Royalty Percent Percent

| | (0 | | 1-0 |
|--------------------------------------|--------------------------------------|--------------------------------------|------------------------------------|
| SEZ NWZ, | sec. 13:N½ NW¼, | T30N R8W | PATENTED LANDS |
| | | 155.60 | |
| 4/17/61 | Pipeline Corporation | Northwest | |
| | | .0047865 | |
| 1.0000000 | | .0047865 | |
| Northwest Pipeline Corporation - ALL | RIGHTS ABOVE THE MESAVERDE FORMATION | Northwest Pipeline Corporation - ALL | RIGHTS IN MESAVERDE FORMATION ONLY |

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

1.0000000

(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 piece of land being described as follows:

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 (NW%) of the Northwest Quarter (NW%) of said Section 13 lying, being and situated West of Molina Arroyo.

| | | As to Exception (1) above |
|---|---|---|
| | 10/6/62 | 1.00 Northwest Pipeline |
| | | .0000308 |
| 1.0000000 | 1.0000000 | .0000308 |
| RIGHTS BELOW THE BASE OF THE MESAVERDE FORMATION Phillips Petroleum Company - ALL | RIGHTS ABOVE THE MESAVERDE FORMATION Northwest Pipeline Corporation - ALL | RIGHTS IN THE MESAVERDE FORMATION ONLY Northwest Pipeline Corporation - ALL |
| | ממי מף/ | 12½% (Bishop of Gallun) |

None:

| | Page |
|---|------|
| | 88 |
| | 0f |
| , | 89 |

| Royalty | of | Percent | |
|---------|----|---------|--|
| ORRI | of | Percert | |

1712%*

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

Tract No. 1

| T30N R8W Sec. 12:SW% SW% | ֹ |
|--|---|
| 60.00 | |
| Delhi Oil Corporation 8/17/57 | |
| .0003230 | |
| .0001615 .0001615 | |
| RIGHTS IN MESAVERDE FORMATION ONLY Tenneco Oil Company 5 Continental Oil Company 5 | |

75

Sec. 13:That part of NW½ NW½ NW½ lying West of the Molino Arroyo

| | \exists | |
|----------|-------------------------|------------------------|
| | | • 0000 |
| .0003230 | .0001615 | · CCCTCTC |
| | Continental Oil Company | Tribution of a company |
| | 011 | 0 |
| | Company | Cury |

| | .0003230 | 00000 | .0001010 |
|--|----------|-------|----------------------|
| | | | Company or a company |
| | | | - |
| | | | Company |
| | | | |

| | .5000000 .5000000 1.0000000 |
|--|--|
| RIGHTS BELOW THE BASE OF THE MESAVERDE | RIGHTS ABOVE THE MESAVERDE FORMATION Tenneco Oil Company Continental Oil Company |

| 1.0000000 | .5000000 | .5000000 | |
|-----------|-------------------------|---------------------|--|
| | Continental Oil Company | Tenneco 0il Company | RIGHTS BELOW THE BASE OF THE MESAVERDE FORMATION |
| | n/- | -Yea | THE MESAVERDE FORMATION |

3181.39

PERCENT OF UNIT AREA

9.65

RECAPITULATION

| T0T | TOTAL | PAT | PAT | STA: | STATE | FED | FED | |
|-----------------|-----------|----------------------|----------|-------------------|----------|---------------------|-----------|--|
| TOTAL COMMITTED | AL | PATENTED UNCOMMITTED | PATENTED | STATE UNCOMMITTED | TE TE | FEDERAL UNCOMMITTED | FEDERAL | |
| 32,507.98 | 32,956.78 | 88.80 | 3,092.59 | 320.00 | 3,430.47 | 40.00 | 25,984.92 | |
| | 100.00 | .27 | 9.38 | .97 | 10.41 | .12 | 78.85 | |

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, 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%, 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

United States Department of the Interior August 31, 1986
Page 2

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 1984 - 3,340.00 | | 20,410.00 |
| 1985 - 15,550.00 | | |
| 1986 - 1,520.00 | | |
| | Total | \$232,410.00 |

Income:

| Period | Gross | Royalty | Net |
|---------------|--------------|--------------|--------------|
| | <u>Value</u> | & Taxes | Income |
| 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,

William F. Clark

William F. Clark Operations Manager

WFC:ew

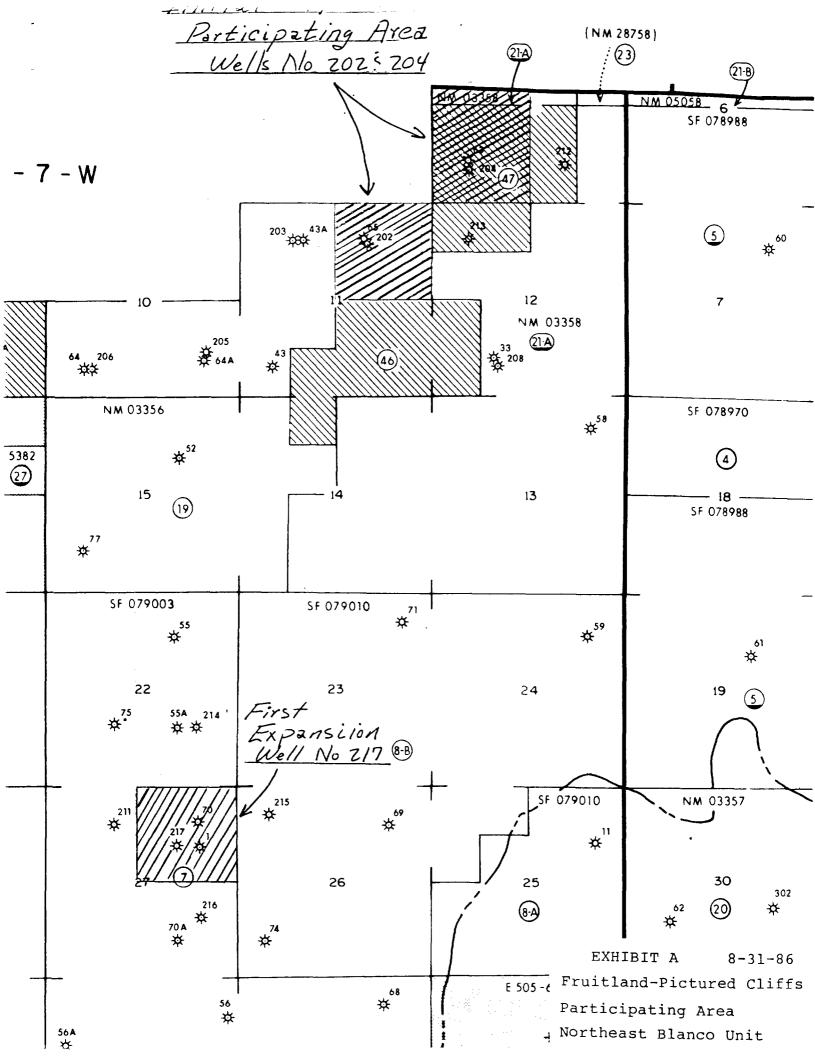


EXHIBIT "B"

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

| Bogg | | | 7 | Tract |
|--|--|---|---|---|
| DED 0/21/06 | | Sec. 27:NE% | FEDERAL LANDS | t Description |
| :. | | | 160 | No. of Acres |
| | | 7/1/48 Amoco Production Co., et al | 079003 | Santa Fe Serial No., Tract Lease Date, Particip. Record Holder Decimal |
| | | | .3164056 | Tract Particip. Decimal |
| .0192875 | .0010151 | .0909159 | .1582028 | Tract W.I. Particip. Decimal |
| OGP (Delaware) Inc. + | Devon-Blanco, Ltd. | Blackwood & Nichols Co., Ltd. | RIGHTS IN FRUITLAND/PICTURED CLIFFS FORMATION | Working Interest Owner Under Option Agreement, Operating Agreement or Assignment |
| 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 | 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 | x 86.485606% of 2 of 7 o Excess ORRI to: Morgan of 1/8 of 8/8 of 7, Morgan, Trustee of 1/8 of 8/8 of 7, | CLIFFS FORMATION | Option Agreement, |
| 160/505.68 160/505.68 18.254717% 160/505.68 18.254717% 160/505.68 | 160/505.68 160/505.68 18.254717% 160/505.68 18.254717% 160/505.68 | 160/505.68 160/505.68 81.745283% 160/505.68 81.745283% 160/505.68 | USA 12½% 2 | Percent Pe of Royalty |
| | | | 21.8 * | Percert of ORRI |

| | | | 21-A | 7, Cont. | Tract No. D |
|--|--|--|---|--|---|
| | | | T31N R7W Sec. 1:Lots 7 & 8 Sec. 11:NE% | FEDERAL LANDS | Description |
| | | | 185.68 | | No. of Acres |
| | | | NM 03358 8/1/48 8/1ackwood & Nichols Co., Ltd. et al | | Serial No., Lease Date, & Record Holder |
| • | | | .3671888 | .* | Tract Particip. Decimal |
| .0332256 .0034531 .0020896 .0702822 .3671888 | .0447663 | .0023561 | .2110159 | .0143152 .0014878 .0009003 .0302810 | Tract W.I. Particip. Decimal |
| Westland Oil Development Corp. Thayer H. Laurie T.H. Laurie & D.N. Mills, Trustees Burk, Bakwin & Henry | 0GP (Delaware) Inc. 95% x + 95% x | Devon-Blanco, Ltd. 5% x + 5% x | RIGHTS IN FRUITLAND/PICTURED CLIFFS Blackwood & Nichols Co., Ltd. + | Westland Oil Development Corp. Thayer H. Laurie T.H. Laurie & D.N. Mills, Trustees Burk, Bakwin & Henry | Working Interest Owner Under Option Agreement, Operating Agreement or Assignment |
| 11.582241% of 25/32 of 185.68/505.68 1.203736% of 25/32 of 185.68/505.68 .728417% of 25/32 of 185.68/505.68 49/256 of 185.68/505.68 | 18.254717% x 86.485606% of 25/32 of 185.68/505.68 18.254717% x 86.485606% of 7/256 of 185.68/505.68 Subject to Excess ORRI to: Agnes M. Morgan of 1/2 of 1/8 of 8/8 of 7/256 of 185.68/505.68 Agnes M. Morgan, Trustee 95% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/256 of 185.68/505.68 | 18.254717% x 86.485606% of 25/32 of 185.68/505.68 18.254717% of 7/256 of 185.68/505.68 Subject to Excess ORRI to: Agnes M. Morgan of 1/2 of 1/8 of 8/8 of 7/256 of 185.68/505.68 Agnes M. Morgan, Trustee 5% x 18.254717% of 1/2 of 1/8 of 8/8 of 7/256 of 185.68/505.68 | FORMATION WSA 12½% 5%* 81.745283% x 86.485606% of 25/32 of 185.68/505.68 81.745283% of 7/256 of 185.68/505.68 Subject to Excess ORRI to: Agnes M. Morgan of 1/2 of 1/8 of 8/8 of 7/256 of 185.68/505.68 Agnes M. Morgan, Trustee of 1/2 of 1/8 of 8/8 of 7/256 of 185.68/505.68 | 11.582241% of 25/64 of 160/505.68 1.203736% of 25/64 of 160/505.68 .728417% of 25/64 of 160/505.68 49/512 of 160/505.68 | Page 2 of 4 percent Percent of of Royalty ORRI |

Percent Percert of of Royalty ORRI

Tract No. Description

No. of Acres

Record
Owner of
Lease and Tract
Expiration Particip.
Date Decimal

Tract
W.I.
Particip. Working Interest Owner Under Option Agreement,
Decimal Operating Agreement or Assignment

| | | | | 47 |
|--|--|--|--|--|
| | · | | OBC. L:VX | PATENTED LANDS T31N R7W |
| | | | | 160 |
| | | | Production Company, et al 6/15/53 | Amoco |
| | | | | .3164056 |
| .0143152 .0014878 .0009003 .0302810 .3164056 | .0192875 | .0010151 | .0909159 | . 1582028 |
| Westland Oil Development Corp. Thayer H. Laurie T.H. Laurie & D.N. Mills, Trustees Burk, Bakwin & Henry | OGP (Delaware) Inc. 95% x + 95% x | Devon-Blanco, Ltd. 5% x + 5% x | + | RIGHTS IN FRUITLAND/PICTURED CLIFFS FORMATION Amoco Production Company |
| 11.582241% of 25/64 of 160/505.68 1.203736% of 25/64 of 160/505.68 .728417% of 25/64 of 160/505.68 49/512 of 160/505.68 | 18.254717% x 86.485606% of 25/64 of 160/505.68 18.254717% of 7/512 of 160/505.68 Subject to Excess ORRI to: Agnes M. Morgan of 1/2 of 1/8 of 8/8 of 7/512 of 160/505.68 Agnes M. Morgan, Trustee of 1/2 of 1/8 of 8/8 of 7/512 of 160/505.68 | 18.254717% x 86.485606% of 25/64 of 160/505.68 18.254717% of 7/512 of 160/505.68 Subject to Excess ORRI to: Agnes M. Morgan of 1/2 of 1/8 of 8/8 of 7/512 of 160/505.68 Agnes M. Morgan, Trustee of 1/2 of 1/8 of 8/8 of 7/512 of 160/505.68 | 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 of 1/2 of 1/8 of 8/8 of 7/512 of 160/505.68 Agnes M. Morgan, Trustee of 1/2 of 1/8 of 8/8 of 7/512 of 160/505.68 | • |

1

RECAPITULATION

| TOTAL | PATENTED | FEDERAL |
|--------|-----------|-----------|
| 505.68 | 160.00 | 345.68 |
| 100.% | 31.64056% | 68.35944% |